

PLANT CELLULAR AND MOLECULAR RESPONSES TO HIGH

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Citation Report

#	ARTICLE	IF	CITATIONS
1	International journal of the environment. <i>Ceramurgia International</i> , 1977, 3, 171-172.	0.3	2
2	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2000, 63, 199-206.	1.2	236
3	The Ice Plant Cometh: Lessons in Abiotic Stress Tolerance. <i>Journal of Plant Growth Regulation</i> , 2000, 19, 334-346.	2.8	129
4	The dawn of plant salt tolerance genetics. <i>Trends in Plant Science</i> , 2000, 5, 317-319.	4.3	109
5	Review: Unravelling the functional relationship between root anatomy and stress tolerance. <i>Functional Plant Biology</i> , 2001, 28, 999.	1.1	56
6	Transcript Expression in <i>Saccharomyces cerevisiae</i> at High Salinity. <i>Journal of Biological Chemistry</i> , 2001, 276, 15996-16007.	1.6	193
7	Osmotic stress activates distinct lipid and MAPK signalling pathways in plants. <i>FEBS Letters</i> , 2001, 498, 172-178.	1.3	120
8	Expressing the yeast HAL1 gene in tomato increases fruit yield and enhances K ⁺ /Na ⁺ selectivity under salt stress. <i>Plant, Cell and Environment</i> , 2001, 24, 875-880.	2.8	67
9	Hyperosmotic stress rapidly generates lyso-phosphatidic acid in <i>Chlamydomonas</i> . <i>Plant Journal</i> , 2001, 25, 541-548.	2.8	71
10	A genomics approach towards salt stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 295-311.	2.8	176
11	Salzwiesen: Leben zwischen Land und Meer: Im Einfluss der Gezeiten. <i>Biologie in Unserer Zeit</i> , 2001, 31, 240-248.	0.3	1
12	Tobacco and <i>Arabidopsis</i> SLT1 mediate salt tolerance of yeast. <i>Plant Molecular Biology</i> , 2001, 45, 489-500.	2.0	19
13	Title is missing!. <i>Euphytica</i> , 2001, 121, 251-263.	0.6	55
14	A catalytic subunit of the sugar beet protein kinase CK2 is induced by salt stress and increases NaCl tolerance in <i>Saccharomyces cerevisiae</i> . <i>Plant Molecular Biology</i> , 2001, 47, 571-579.	2.0	34
15	Title is missing!. <i>Plant and Soil</i> , 2001, 229, 189-195.	1.8	25
16	Effect of foliar spray of nutrient solutions on photosynthesis, dry matter accumulation and yield in seawater-stressed rice. <i>Environmental and Experimental Botany</i> , 2001, 46, 129-140.	2.0	77
17	Ion homeostasis during salt stress in plants. <i>Current Opinion in Cell Biology</i> , 2001, 13, 399-404.	2.6	236
18	Cell signaling under salt, water and cold stresses. <i>Current Opinion in Plant Biology</i> , 2001, 4, 401-406.	3.5	515

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19	Osmoregulation in Plants: Implications for Agriculture1. American Zoologist, 2001, 41, 758-769.	0.7	63
20	Genes That Are Uniquely Stress Regulated in Salt Overly Sensitive (sos) Mutants. Plant Physiology, 2001, 126, 363-375.	2.3	160
21	AtHKT1 is a salt tolerance determinant that controls Na ⁺ entry into plant roots. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 14150-14155.	3.3	441
22	Drought- and salt-tolerant plants result from overexpression of the AVP1 H ⁺ -pump. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11444-11449.	3.3	683
23	Learning from the Arabidopsis Experience. The Next Gene Search Paradigm. Plant Physiology, 2001, 127, 1354-1360.	2.3	183
24	Effects of salt treatment and osmotic stress on V ⁺ ATPase and V ⁺ PPase in leaves of the halophyte Suaeda salsa. Journal of Experimental Botany, 2001, 52, 2355-2365.	2.4	251
25	Identification of Two Loci in Tomato Reveals Distinct Mechanisms for Salt Tolerance. Plant Cell, 2001, 13, 873-887.	3.1	67
26	Osmoregulation in Plants: Implications for Agriculture. American Zoologist, 2001, 41, 758-769.	0.7	72
27	The Arabidopsis LOS5/ABA3 Locus Encodes a Molybdenum Cofactor Sulfurase and Modulates Cold Stress ⁺ and Osmotic Stress ⁺ Responsive Gene Expression. Plant Cell, 2001, 13, 2063-2083.	3.1	492
28	Gene Expression Profiles during the Initial Phase of Salt Stress in Rice. Plant Cell, 2001, 13, 889-905.	3.1	850
29	Salt Induction of Fatty Acid Elongase and Membrane Lipid Modifications in the Extreme Halotolerant Alga Dunaliella salina Å. Plant Physiology, 2002, 129, 1320-1329.	2.3	151
30	Reconstitution in yeast of the Arabidopsis SOS signaling pathway for Na ⁺ homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9061-9066.	3.3	500
31	Transcriptome Changes for Arabidopsis in Response to Salt, Osmotic, and Cold Stress,. Plant Physiology, 2002, 130, 2129-2141.	2.3	1,363
32	Regulation of Osmotic Stress-responsive Gene Expression by theLOS6/ABA1 Locus inArabidopsis. Journal of Biological Chemistry, 2002, 277, 8588-8596.	1.6	382
33	Gas exchange, water relations and osmotic adjustment in Phillyrea latifolia grown at various salinity concentrations. Tree Physiology, 2002, 22, 403-412.	1.4	67
34	Regulation of SOS1, a plasma membrane Na ⁺ /H ⁺ exchanger in Arabidopsis thaliana, by SOS2 and SOS3. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8436-8441.	3.3	1,046
35	Characterization of the V ⁺ type H(+) ⁺ ATPase in the resurrection plant Tortula ruralis: accumulation and polysomal recruitment of the proteolipid c subunit in response to salt ⁺ stress1. Journal of Experimental Botany, 2002, 53, 225-232.	2.4	32
36	Habitat divergence between a homoploid hybrid sunflower species, <i>Helianthus paradoxus</i> (Asteraceae), and its progenitors. American Journal of Botany, 2002, 89, 472-478.	0.8	78

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37	Phenotypic Differentiation between Three Ancient Hybrid Taxa and Their Parental Species. <i>International Journal of Plant Sciences</i> , 2002, 163, 387-398.	0.6	101
38	The ascorbic acid cycle mediates signal transduction leading to stress-induced stomatal closure. <i>Functional Plant Biology</i> , 2002, 29, 845.	1.1	23
39	Salt Tolerance. <i>The Arabidopsis Book</i> , 2002, 1, e0048.	0.5	63
40	Genetic modification of agronomic traits in fruit crops. , 2002, , 25-113.		2
41	C-terminal domain phosphatase-like family members (AtCPLs) differentially regulate <i>Arabidopsis thaliana</i> abiotic stress signaling, growth, and development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10893-10898.	3.3	146
42	Abscisic acid is correlated with the leaf growth inhibition of four genotypes of maize differing in their response to salinity. <i>Functional Plant Biology</i> , 2002, 29, 111.	1.1	101
43	OSM1/SYP61: A Syntaxin Protein in <i>Arabidopsis</i> Controls Abscisic Acid-Mediated and Non-Abscisic Acid-Mediated Responses to Abiotic Stress. <i>Plant Cell</i> , 2002, 14, 3009-3028.	3.1	204
44	Salt-Tolerant ATPase Activity in the Plasma Membrane of the Marine Angiosperm <i>Zostera marina</i> L.. <i>Plant and Cell Physiology</i> , 2002, 43, 1137-1145.	1.5	53
45	Early Salt Stress Effects on the Changes in Chemical Composition in Leaves of Ice Plant and <i>Arabidopsis</i> . A Fourier Transform Infrared Spectroscopy Study. <i>Plant Physiology</i> , 2002, 130, 1032-1042.	2.3	117
46	Screening for Gene Regulation Mutants by Bioluminescence Imaging. <i>Science Signaling</i> , 2002, 2002, pl10-pl10.	1.6	43
47	Nutrient responses and glutamate and proline metabolism in sunflower plants and calli under Na ₂ SO ₄ stress. <i>Journal of Plant Nutrition and Soil Science</i> , 2002, 165, 366-372.	1.1	36
48	Transcriptional Profiling Reveals Novel Interactions between Wounding, Pathogen, Abiotic Stress, and Hormonal Responses in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2002, 129, 661-677.	2.3	797
49	Cloning of a novel gene encoding a C ₂ H ₂ zinc finger protein that alleviates sensitivity to abiotic stresses in <i>Aspergillus nidulans</i> . <i>Mycological Research</i> , 2002, 106, 491-498.	2.5	24
50	Plants and sodium ions: keeping company with the enemy. <i>Genome Biology</i> , 2002, 3, reviews1017.1.	13.9	83
51	Cloning and Molecular Characterization of the Salt-regulated Jojoba ScRab cDNA Encoding a Small GTP-binding Protein. <i>DNA Sequence</i> , 2002, 13, 295-300.	0.7	4
52	Reliable and easy screening technique for salt tolerance of citrus rootstocks under controlled environments. <i>Australian Journal of Agricultural Research</i> , 2002, 53, 653.	1.5	14
53	The yeast SR protein kinase Sky1p modulates salt tolerance, membrane potential and the Trk1,2 potassium transporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1565, 36-40.	1.4	43
54	Functional analysis of cis-acting sequences regulating root- specific expression in transgenic tobacco. <i>Science Bulletin</i> , 2002, 47, 1441.	1.7	5

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55	Cell Signaling during Cold, Drought, and Salt Stress. <i>Plant Cell</i> , 2002, 14, S165-S183.	3.1	1,874
56	Effect of salt stress on growth and cation compartmentation in leaves of two plant species differing in salt tolerance. <i>Journal of Plant Physiology</i> , 2002, 159, 137-146.	1.6	79
57	The expression of a new <i>Cicer arietinum</i> cDNA, encoding a glutamic acid-rich protein, is related to development. <i>Journal of Plant Physiology</i> , 2002, 159, 1375-1381.	1.6	3
58	The stress-responsive <i>Tortula ruralis</i> gene ALDH21A1 describes a novel eukaryotic aldehyde dehydrogenase protein family. <i>Journal of Plant Physiology</i> , 2002, 159, 677-684.	1.6	47
59	Effect of sub- and supra-optimal nitrogen regimes on nutrient relations in two spring wheat cultivars differing in salinity tolerance. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2002, 197, 126-133.	0.6	6
60	Identification and characterization of mRNA transcripts differentially expressed in response to high salinity by means of differential display in the mangrove, <i>Bruguiera gymnorrhiza</i> . <i>Plant Science</i> , 2002, 162, 499-505.	1.7	53
61	The rootstock effect on the tomato salinity response depends on the shoot genotype. <i>Plant Science</i> , 2002, 162, 825-831.	1.7	198
62	A heat treatment induced the expression of a Na ⁺ /H ⁺ antiport gene (cNHX1) in citrus fruit. <i>Plant Science</i> , 2002, 162, 957-963.	1.7	28
63	Repression of stress-responsive genes by FIERY2, a novel transcriptional regulator in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10899-10904.	3.3	137
64	Abscisic Acid and Stress Tolerance in Plants. , 2002, , 381-412.		7
65	Determination of apoplastic Na ⁺ in intact leaves of cotton by in vivo fluorescence ratio-imaging. <i>Functional Plant Biology</i> , 2002, 29, 1491.	1.1	30
66	Plant biotechnology – Genetic engineering to enhance plant salt tolerance. <i>Journal of Bioscience and Bioengineering</i> , 2002, 94, 585-590.	1.1	33
67	Monitoring the expression pattern of around 7,000 <i>Arabidopsis</i> genes under ABA treatments using a full-length cDNA microarray. <i>Functional and Integrative Genomics</i> , 2002, 2, 282-291.	1.4	394
68	Molecular cloning and characterization of genes encoding BURP domain-containing protein in the mangrove, <i>Bruguiera gymnorrhiza</i> . <i>Trees - Structure and Function</i> , 2002, 16, 87-93.	0.9	26
69	Drought regulation of GST8 , encoding the <i>Arabidopsis</i> homologue of ParC/Nt107 glutathione transferase/peroxidase. <i>Physiologia Plantarum</i> , 2002, 116, 96-105.	2.6	74
70	Comparative physiology of salt and water stress. <i>Plant, Cell and Environment</i> , 2002, 25, 239-250.	2.8	4,529
71	Salt causes ion disequilibrium-induced programmed cell death in yeast and plants. <i>Plant Journal</i> , 2002, 29, 649-659.	2.8	261
72	Involvement of endogenous salicylic acid content, lipoxygenase and antioxidant enzyme activities in the response of tomato cell suspension cultures to NaCl. <i>New Phytologist</i> , 2002, 156, 409-415.	3.5	91

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73	Molecular and genetic aspects of plant responses to osmotic stress. <i>Plant, Cell and Environment</i> , 2002, 25, 131-139.	2.8	702
74	Discrimination of genes expressed in response to the ionic or osmotic effect of salt stress in soybean with cDNA-AFLP. <i>Plant, Cell and Environment</i> , 2002, 25, 1617-1625.	2.8	42
75	Differential expression and function of <i>Arabidopsis thaliana</i> NHX Na ⁺ /H ⁺ antiporters in the salt stress response. <i>Plant Journal</i> , 2002, 30, 529-539.	2.8	491
76	Monitoring the expression profiles of 7000 <i>Arabidopsis</i> genes under drought, cold and high-salinity stresses using a full-length cDNA microarray. <i>Plant Journal</i> , 2002, 31, 279-292.	2.8	1,697
77	Does proline accumulation play an active role in stress-induced growth reduction?. <i>Plant Journal</i> , 2002, 31, 699-712.	2.8	357
78	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
79	Engineering salt tolerance in plants. <i>Current Opinion in Biotechnology</i> , 2002, 13, 146-150.	3.3	361
80	SALT AND DROUGHT STRESS SIGNAL TRANSDUCTION IN PLANTS. <i>Annual Review of Plant Biology</i> , 2002, 53, 247-273.	8.6	4,944
81	Improved tolerance of maize plants to salt stress by arbuscular mycorrhiza is related to higher accumulation of soluble sugars in roots. <i>Mycorrhiza</i> , 2002, 12, 185-190.	1.3	345
82	Monitoring large-scale changes in transcript abundance in drought- and salt-stressed barley. <i>Plant Molecular Biology</i> , 2002, 48, 551-573.	2.0	503
83	Reddening of Cotton (<i>Gossypium Hirsutum</i> L.) Leaves. <i>Biologia Plantarum</i> , 2002, 45, 303-306.	1.9	10
84	Identification and mapping of a putative stress response regulator gene in barley. <i>Plant Molecular Biology</i> , 2002, 50, 141-150.	2.0	34
85	Effect of Seawater on Photosynthesis and Dry Matter Accumulation in Developing Rice Grains. <i>Photosynthetica</i> , 2002, 40, 115-119.	0.9	17
86	The Activity of the Peroxidase System in the Course of Stress-Induced CAM Development. <i>Russian Journal of Plant Physiology</i> , 2002, 49, 598-604.	0.5	25
87	Concepts in plant stress physiology. Application to plant tissue cultures. <i>Plant Growth Regulation</i> , 2002, 37, 263-285.	1.8	224
88	14-3-3 proteins and the response to abiotic and biotic stress. <i>Plant Molecular Biology</i> , 2002, 50, 1031-1039.	2.0	175
89	Specific structure of root cells of the salt-accumulating halophyte <i>Suaeda altissima</i> L. <i>Doklady Biological Sciences</i> , 2002, 387, 573-576.	0.2	3
91	Molecular Cloning and Characterization of a New Na ⁺ /H ⁺ Antiporter Gene from <i>Brassica napus</i> . <i>DNA Sequence</i> , 2003, 14, 351-358.	0.7	30

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92	Influence of boron and calcium on the tolerance to salinity of nitrogen-fixing pea plants. <i>Plant and Soil</i> , 2003, 251, 93-103.	1.8	34
93	Salt-dependent expression of a nitrate transporter and two amino acid transporter genes in <i>Mesembryanthemum crystallinum</i> . <i>Plant Molecular Biology</i> , 2003, 52, 569-578.	2.0	54
94	Temporal progression of gene expression responses to salt shock in maize roots. <i>Plant Molecular Biology</i> , 2003, 52, 873-891.	2.0	102
95	A KrÄ¼ppel-like transcription factor gene is involved in salt stress responses in <i>Medicago spp.</i> . <i>Plant and Soil</i> , 2003, 257, 1-9.	1.8	28
96	Effects of NaCl Stress on the Structure, Pigment Complex Composition, and Photosynthetic Activity of Mangrove <i>Bruguiera parviflora</i> Chloroplasts. <i>Photosynthetica</i> , 2003, 41, 191.	0.9	133
97	Light-dependent induction of proline biosynthesis by abscisic acid and salt stress is inhibited by brassinosteroid in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2003, 51, 363-372.	2.0	251
98	Changes in Sugars, Sucrose Synthase Activity and Proteins in Salinity Tolerant Callus and Cell Suspension Cultures of <i>Brassica oleracea</i> L.. <i>Biologia Plantarum</i> , 2003, 46, 7-12.	1.9	21
99	Title is missing!. <i>Plant and Soil</i> , 2003, 250, 183-191.	1.8	106
100	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
101	Cloning and functional annotation of rare mRNA species from drought-stressed hot pepper (<i>Capsicum</i>) Tj ETQq1 1 0,784314rgBT /Over 0,9	0,9	
102	MAP kinase specifically mediates the ABA-induced H ₂ O ₂ generation in guard cells of <i>Vicia faba</i> L.. <i>Science Bulletin</i> , 2003, 48, 1919-1926.	1.7	4
103	Salt-tolerant mutants in glycophytic salinity response (GSR) genes in <i>Catharanthus roseus</i> . <i>Theoretical and Applied Genetics</i> , 2003, 106, 221-230.	1.8	44
104	Isolation and expression analysis of salt stress-associated ESTs from contrasting rice cultivars using a PCR-based subtraction method. <i>Theoretical and Applied Genetics</i> , 2003, 106, 620-628.	1.8	53
105	An EREBP/AP2-type protein in <i>Triticum aestivum</i> was a DRE-binding transcription factor induced by cold, dehydration and ABA stress. <i>Theoretical and Applied Genetics</i> , 2003, 106, 923-930.	1.8	276
106	Rapid increase of vacuolar volume in response to salt stress. <i>Planta</i> , 2003, 216, 397-402.	1.6	114
107	Characterization of salt stress-enhanced phosphoenolpyruvate carboxylase kinase activity in leaves of <i>Sorghum vulgare</i> : independence from osmotic stress, involvement of ion toxicity and significance of dark phosphorylation. <i>Planta</i> , 2003, 216, 648-655.	1.6	76
108	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
109	Relationship between salt tolerance and proline accumulation in Australian acacia species. <i>Journal of Forest Research</i> , 2003, 8, 89-93.	0.7	20

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110	Regulation of ion homeostasis under salt stress. <i>Current Opinion in Plant Biology</i> , 2003, 6, 441-445.	3.5	1,711
111	Photosynthesis and activity of superoxide dismutase, peroxidase and glutathione reductase in cotton under salt stress. <i>Environmental and Experimental Botany</i> , 2003, 49, 69-76.	2.0	863
112	Solute accumulation and distribution during shoot and leaf development in two sorghum genotypes under salt stress. <i>Environmental and Experimental Botany</i> , 2003, 49, 107-120.	2.0	287
113	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
114	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
115	Dissecting the response to dehydration and salt (NaCl) in the resurrection plant <i>Craterostigma plantagineum</i> . <i>Plant, Cell and Environment</i> , 2003, 26, 1307-1315.	2.8	24
116	Proton pumping by tomato roots. Effect of Fe deficiency and hormones on the activity and distribution of plasma membrane H ⁺ -ATPase in rhizodermal cells. <i>Plant, Cell and Environment</i> , 2003, 26, 361-370.	2.8	49
117	Effects of boron and calcium nutrition on the establishment of the <i>Rhizobium leguminosarum</i> -pea (<i>Pisum sativum</i>) symbiosis and nodule development under salt stress. <i>Plant, Cell and Environment</i> , 2003, 26, 1003-1011.	2.8	41
118	Interaction between two cis-acting elements, ABRE and DRE, in ABA-dependent expression of <i>Arabidopsis</i> rd29A gene in response to dehydration and high-salinity stresses. <i>Plant Journal</i> , 2003, 34, 137-148.	2.8	664
119	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
120	Monitoring expression profiles of <i>Arabidopsis</i> gene expression during rehydration process after dehydration using a 7000 full-length cDNA microarray. <i>Plant Journal</i> , 2003, 34, 868-887.	2.8	263
121	Natural selection for salt tolerance quantitative trait loci (QTLs) in wild sunflower hybrids: Implications for the origin of <i>Helianthus paradoxus</i> , a diploid hybrid species. <i>Molecular Ecology</i> , 2003, 12, 1225-1235.	2.0	170
122	Free amino acids and glycine betaine in leaf osmoregulation of spinach responding to increasing salt stress. <i>New Phytologist</i> , 2003, 158, 455-463.	3.5	207
123	THE ORIGIN OF ECOLOGICAL DIVERGENCE IN <i>HELIANTHUS PARADOXUS</i> (ASTERACEAE): SELECTION ON TRANSGRESSIVE CHARACTERS IN A NOVEL HYBRID HABITAT. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1989-2000.	1.1	144
124	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
125	Free Proline Quantification. , 2001, , 365-382.		3
126	Can the Quest for Drought Tolerant Crops Avoid <i>Arabidopsis</i> Any Longer?. <i>The Journal of Crop Improvement: Innovations in Practice and Research</i> , 2003, 7, 99-129.	0.4	4
127	Engineering Salt Tolerance in Plants. <i>Biotechnology and Genetic Engineering Reviews</i> , 2003, 20, 261-276.	2.4	23

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128	Scavenging of reactive oxygen species in NaCl-stressed rice (<i>Oryza sativa</i> L.)â€™ differential response in salt-tolerant and sensitive varieties. <i>Plant Science</i> , 2003, 165, 1411-1418.	1.7	349
129	<i>Arabidopsis</i> AtMYC2 (bHLH) and AtMYB2 (MYB) Function as Transcriptional Activators in Abscisic Acid Signaling. <i>Plant Cell</i> , 2003, 15, 63-78.	3.1	1,905
130	Evaluation of Argentine and Peruvian <i>Prosopis</i> germplasm for growth at seawater salinities. <i>Journal of Arid Environments</i> , 2003, 55, 515-531.	1.2	37
131	Transport proteins and salt tolerance in plants. <i>Plant Science</i> , 2003, 164, 891-900.	1.7	79
132	Influence of exogenous application of proline and glycinebetaine on growth of salt-stressed tomato plants. <i>Plant Science</i> , 2003, 165, 693-699.	1.7	150
133	Study on the salt and drought tolerance of <i>Suaeda salsa</i> and <i>Kalanchoe claugremontiana</i> under iso-osmotic salt and water stress. <i>Plant Science</i> , 2003, 165, 837-844.	1.7	118
134	Seasonal changes in the levels of compatible osmolytes in three halophytic species of inland saline vegetation in Hungary. <i>Journal of Plant Physiology</i> , 2003, 160, 395-401.	1.6	171
135	Recovery of development and functionality of nodules and plant growth in salt-stressed <i>Pisum sativum</i> - <i>Rhizobium leguminosarum</i> symbiosis by boron and calcium. <i>Journal of Plant Physiology</i> , 2003, 160, 1493-1497.	1.6	28
136	Enhancing Salt Tolerance in Crops Through Molecular Breeding: A New Strategy. <i>The Journal of Crop Improvement: Innovations in Practiceory and Research</i> , 2003, 7, 11-65.	0.4	13
137	Na ⁺ Tolerance and Na ⁺ Transport in Higher Plants. <i>Annals of Botany</i> , 2003, 91, 503-527.	1.4	2,514
138	Characterizing the stress/defense transcriptome of <i>Arabidopsis</i> . <i>Genome Biology</i> , 2003, 4, R20.	13.9	173
139	Regulation of Abscisic Acid Biosynthesis. <i>Plant Physiology</i> , 2003, 133, 29-36.	2.3	708
140	THE ORIGIN OF ECOLOGICAL DIVERGENCE IN <i>HELIANTHUS PARADOXUS</i> (ASTERACEAE): SELECTION ON TRANSGRESSIVE CHARACTERS IN A NOVEL HYBRID HABITAT. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1989.	1.1	16
141	Gene Expression Analyses of <i>Arabidopsis</i> Chromosome 2 Using a Genomic DNA Amplicon Microarray. <i>Genome Research</i> , 2003, 13, 327-340.	2.4	29
142	Na ⁺ /H ⁺ Exchange Activity in the Plasma Membrane of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2003, 132, 1041-1052.	2.3	181
143	CIPK3, a Calcium Sensorâ€™Associated Protein Kinase That Regulates Abscisic Acid and Cold Signal Transduction in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2003, 15, 411-423.	3.1	379
144	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
145	The <i>BOTRYTIS SUSCEPTIBLE1</i> Gene Encodes an R2R3MYB Transcription Factor Protein That Is Required for Biotic and Abiotic Stress Responses in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2003, 15, 2551-2565.	3.1	495

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146	Molecular characterization of XVSAP1, a stress-responsive gene from the resurrection plant <i>Xerophyta viscosa</i> Baker. <i>Journal of Experimental Botany</i> , 2003, 54, 191-201.	2.4	55
147	RIKEN Arabidopsis 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
148	Application of Differential Display RT-PCR and EST/Microarray Technologies to the Analysis of Gene Expression in Response to Drought Stress and Elimination of Aflatoxin Contamination in Corn and Peanut. <i>Toxin Reviews</i> , 2003, 22, 287-312.	1.5	10
149	Strategies for Managing Crop Production in Saline Environments: An Overview. <i>The Journal of Crop Improvement: Innovations in Practice and Research</i> , 2003, 7, 1-10.	0.4	10
150	Salt Tolerance of a Coastal Salt Marsh Grass. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 2595-2605.	0.6	73
151	Genetic engineering of the glyoxalase pathway in tobacco leads to enhanced salinity tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14672-14677.	3.3	352
152	Increase of internal ion concentration triggers trehalose synthesis associated with cryptobiosis in larvae of <i>Polypedilum vanderplanki</i> . <i>Journal of Experimental Biology</i> , 2003, 206, 2281-2286.	0.8	84
153	Fungal Osmotolerance. <i>Advances in Applied Microbiology</i> , 2003, 53, 177-211.	1.3	11
154	Uptake of an Endocytic Marker by Rice Cells: Variations Related to Osmotic and Saline Stress. <i>Plant and Cell Physiology</i> , 2003, 44, 1100-1111.	1.5	16
155	Osmotic adjustment in roots and leaves of two sorghum genotypes under NaCl stress. <i>Brazilian Journal of Plant Physiology</i> , 2003, 15, 113-118.	0.5	29
156	Sorghum and Salinity. <i>Crop Science</i> , 2004, 44, 806-811.	0.8	294
157	Effects of salt stress on plant growth, stomatal response and solute accumulation of different maize genotypes. <i>Brazilian Journal of Plant Physiology</i> , 2004, 16, 31-38.	0.5	139
158	The potential of genetically enhanced plants to address food insecurity. <i>Nutrition Research Reviews</i> , 2004, 17, 23-42.	2.1	140
159	Molecular Breeding and Functional Genomics for Tolerance to Abiotic Stress. <i>Developments in Plant Breeding</i> , 2004, , 61-80.	0.2	10
160	IRIS HEXAGONA HORMONAL RESPONSES TO SALINITY STRESS, LEAFMINER HERBIVORY, AND PHENOLOGY. <i>Ecology</i> , 2004, 85, 38-47.	1.5	26
162	A Novel Salt-tolerant l-myo-Inositol-1-phosphate Synthase from <i>Porteresia coarctata</i> (Roxb.) Tateoka, a Halophytic Wild Rice. <i>Journal of Biological Chemistry</i> , 2004, 279, 28539-28552.	1.6	169
163	Cell Cycle Modulation in the Response of the Primary Root of Arabidopsis to Salt Stress. <i>Plant Physiology</i> , 2004, 135, 1050-1058.	2.3	296
164	Induction of Salt and Osmotic Stress Tolerance by Overexpression of an Intracellular Vesicle Trafficking Protein AtRab7 (AtRabG3e). <i>Plant Physiology</i> , 2004, 134, 118-128.	2.3	264

#	ARTICLE	IF	CITATIONS
165	Regulation of K ⁺ Transport in Tomato Roots by the TSS1 Locus. Implications in Salt Tolerance. <i>Plant Physiology</i> , 2004, 134, 452-459.	2.3	12
166	Osmotic Effects on the Electrical Properties of Arabidopsis Root Hair Vacuoles in Situ. <i>Plant Physiology</i> , 2004, 134, 352-360.	2.3	21
167	Proline Betaine Accumulation and Metabolism in Alfalfa Plants under Sodium Chloride Stress. Exploring Its Compartmentalization in Nodules. <i>Plant Physiology</i> , 2004, 135, 1583-1594.	2.3	106
168	Overexpression of a zinc-finger protein gene from rice confers tolerance to cold, dehydration, and salt stress in transgenic tobacco. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6309-6314.	3.3	427
169	Osmotically Induced Cell Swelling versus Cell Shrinking Elicits Specific Changes in Phospholipid Signals in Tobacco Pollen Tubes. <i>Plant Physiology</i> , 2004, 134, 813-823.	2.3	136
170	RNAi-Mediated Tocopherol Deficiency Impairs Photoassimilate Export in Transgenic Potato Plants. <i>Plant Physiology</i> , 2004, 135, 1256-1268.	2.3	157
171	Isolation and Characterization of Novel Mutants Affecting the Abscisic Acid Sensitivity of Arabidopsis Germination and Seedling Growth. <i>Plant and Cell Physiology</i> , 2004, 45, 1485-1499.	1.5	74
172	Na ⁺ -dependent K ⁺ Uptake Ktr System from the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803 and Its Role in the Early Phases of Cell Adaptation to Hyperosmotic Shock. <i>Journal of Biological Chemistry</i> , 2004, 279, 54952-54962.	1.6	81
173	AtHKT1 Facilitates Na ⁺ Homeostasis and K ⁺ Nutrition in Planta. <i>Plant Physiology</i> , 2004, 136, 2500-2511.	2.3	297
174	Global Impact of Salinity and Agricultural Ecosystems. , 2002, , 3-20.		119
175	Constitutive Expression of a PR10 Protein Enhances the Germination of <i>Brassica napus</i> under Saline Conditions. <i>Plant and Cell Physiology</i> , 2004, 45, 1320-1324.	1.5	84
176	The Cotton GhNHX1 Gene Encoding a Novel Putative Tonoplast Na ⁺ /H ⁺ Antiporter Plays an Important Role in Salt Stress. <i>Plant and Cell Physiology</i> , 2004, 45, 600-607.	1.5	240
178	Salt Cress. A Halophyte and Cryophyte Arabidopsis Relative Model System and Its Applicability to Molecular Genetic Analyses of Growth and Development of Extremophiles. <i>Plant Physiology</i> , 2004, 135, 1718-1737.	2.3	447
179	Isolation and characterisation of a novel dehydration-induced Grp94 homologue from the resurrection plant <i>Xerophyta viscosa</i> . <i>South African Journal of Botany</i> , 2004, 70, 741-750.	1.2	7
180	Differential organ-specific response to salt stress and water deficit in nodulated bean (<i>Phaseolus</i>) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 .	2.8	38
181	Over-expression of the water and salt stress-regulated Asr1 gene confers an increased salt tolerance. <i>Plant, Cell and Environment</i> , 2004, 27, 1459-1468.	2.8	107
182	Glycerol-insensitive Arabidopsis mutants: gli1 seedlings lack glycerol kinase, accumulate glycerol and are more resistant to abiotic stress. <i>Plant Journal</i> , 2004, 37, 617-625.	2.8	78
183	A novel calmodulin-binding protein functions as a negative regulator of osmotic stress tolerance in Arabidopsis thaliana seedlings. <i>Plant Journal</i> , 2004, 38, 410-420.	2.8	161

#	ARTICLE	IF	CITATIONS
184	Drought tolerance established by enhanced expression of the CC-NBS-LRR gene, ADR1, requires salicylic acid, EDS1 and ABI1. <i>Plant Journal</i> , 2004, 38, 810-822.	2.8	253
185	Characterization of AtCHX17, a member of the cation/H ⁺ exchangers, CHX family, from <i>Arabidopsis thaliana</i> suggests a role in K ⁺ homeostasis. <i>Plant Journal</i> , 2004, 39, 834-846.	2.8	158
186	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
187	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
188	Variation Between Two Near Isogenic Barley (<i>Hordeum vulgare</i>) Cultivars in Expression of the B Subunit of the Vacuolar ATPase in Response to Salinity. <i>Hereditas</i> , 2004, 135, 227-231.	0.5	8
189	Physiological response of tomato to saline irrigation in long-term salinized soils. <i>European Journal of Agronomy</i> , 2004, 21, 149-159.	1.9	106
190	Cellular basis of salinity tolerance in plants. <i>Environmental and Experimental Botany</i> , 2004, 52, 113-122.	2.0	161
191	Osmotic adjustment, water relations and gas exchange in pepper plants grown under NaCl or KCl. <i>Environmental and Experimental Botany</i> , 2004, 52, 161-174.	2.0	104
192	Differential growth of some grapevine varieties in Syria in response to salt in vitro. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2004, 40, 221-224.	0.9	7
193	Molecular Cloning and Different Expression of a Vacuolar Na ⁺ /H ⁺ antiporter gene in <i>Suaeda salsa</i> Under Salt Stress. <i>Biologia Plantarum</i> , 2004, 48, 219-225.	1.9	64
194	Effect of NaCl on Biomass and Contents of Sugars, Proline and Proteins in Seedlings and Leaf Explants of <i>Nicotiana tabacum</i> Grown in vitro. <i>Biologia Plantarum</i> , 2004, 48, 613-615.	1.9	22
195	Recent Advances in Genetics of Salt Tolerance in Tomato. <i>Plant Cell, Tissue and Organ Culture</i> , 2004, 76, 101-119.	1.2	233
196	Solutes Involved in Osmotic Adjustment to Increasing Salinity in Suspension Cells of <i>Alternanthera philoxeroides</i> Griseb. <i>Plant Cell, Tissue and Organ Culture</i> , 2004, 78, 225-230.	1.2	6
197	Molecular analysis of a stress-induced cDNA encoding the translation initiation factor, eIF1, from the salt-tolerant wild relative of rice, <i>Porteresia coarctata</i> . <i>Functional Plant Biology</i> , 2004, 31, 1035.	1.1	18
198	Protective effect of exogenous polyamines on root tonoplast function against salt stress in barley seedlings. <i>Plant Growth Regulation</i> , 2004, 42, 97-103.	1.8	54
199	Effects of 24-epibrassinolide on seed germination, seedling growth, lipid peroxidation, proline content and antioxidative system of rice (<i>Oryza sativa</i> L.) under salinity stress. <i>Plant Growth Regulation</i> , 2004, 42, 203-211.	1.8	228
200	Mechanisms of salt tolerance and interactive effects of <i>Azospirillum brasilense</i> inoculation on maize cultivars grown under salt stress conditions. <i>Plant Growth Regulation</i> , 2004, 44, 165-174.	1.8	198
201	Gas exchange, water relations and osmotic adjustment in two scion/rootstock combinations of <i>Prunus</i> under various salinity concentrations. <i>Plant and Soil</i> , 2004, 259, 153-162.	1.8	48

#	ARTICLE	IF	CITATIONS
202	Evaluation of the roles of two compatible solutes, glycine betaine and trehalose, for the <i>Acacia senegal</i> – <i>Sinorhizobium</i> symbiosis exposed to drought stress. <i>Plant and Soil</i> , 2004, 260, 237-251.	1.8	42
203	Physiological Aspects of Adaptation of the Marine Microalga <i>Tetraselmis (Platymonas) viridis</i> to Various Medium Salinity. <i>Russian Journal of Plant Physiology</i> , 2004, 51, 176-182.	0.5	30
204	Structural and Functional State of Thylakoids in a Halophyte <i>Suaeda altissima</i> before and after Disturbance of Salt–Water Balance by Extremely High Concentrations of NaCl. <i>Russian Journal of Plant Physiology</i> , 2004, 51, 815-821.	0.5	21
205	Isolation and characterization of a novel cis-acting sequences regulating root-specific gene from <i>Daucus carota</i> L. <i>Science Bulletin</i> , 2004, 49, 2393-2398.	1.7	0
206	Expression of Cryptogein in tobacco plants exhibits enhanced disease resistance and tolerance to salt stress. <i>Science Bulletin</i> , 2004, 49, 803-809.	1.7	2
207	Effects of salt stress on basic processes of photosynthesis. <i>Photosynthetica</i> , 2004, 42, 481-486.	0.9	501
208	Tissue-specific expression and functional complementation of a yeast potassium-uptake mutant by a salt-induced ice plant gene <i>mcSKD1</i> . <i>Plant Molecular Biology</i> , 2004, 54, 881-893.	2.0	23
209	Overexpression of the AP2/EREBP transcription factor <i>OPBP1</i> enhances disease resistance and salt tolerance in tobacco. <i>Plant Molecular Biology</i> , 2004, 55, 607-618.	2.0	141
210	Monitoring the expression profiles of genes induced by hyperosmotic, high salinity, and oxidative stress and abscisic acid treatment in <i>Arabidopsis</i> cell culture using a full-length cDNA microarray. <i>Plant Molecular Biology</i> , 2004, 56, 29-55.	2.0	130
211	<i>Zea mays</i> L. <i>amylacea</i> from the Lluta Valley (Arica-Chile) tolerates salinity stress when high levels of boron are available. <i>Plant and Soil</i> , 2004, 267, 73-84.	1.8	60
212	Boron and calcium increase <i>Pisum sativum</i> seed germination and seedling development under salt stress. <i>Plant and Soil</i> , 2004, 267, 97-107.	1.8	105
213	A salt-responsive receptor-like kinase gene regulated by the ethylene signaling pathway encodes a plasma membrane serine/threonine kinase. <i>Theoretical and Applied Genetics</i> , 2004, 109, 377-383.	1.8	67
214	The effect of NaCl on proline accumulation in potato seedlings and calli. <i>Acta Physiologiae Plantarum</i> , 2004, 26, 263-270.	1.0	40
215	Effect of short-term exposure to NaCl on photochemical activity and antioxidant enzymes in <i>Bruguiera parviflora</i> , a non-secretor mangrove. <i>Acta Physiologiae Plantarum</i> , 2004, 26, 317-326.	1.0	18
216	Comparative proteome analysis of differentially expressed proteins induced by K ⁺ deficiency in <i>Arabidopsis thaliana</i> . <i>Proteomics</i> , 2004, 4, 3549-3559.	1.3	39
217	Candidate gene polymorphisms associated with salt tolerance in wild sunflower hybrids: implications for the origin of <i>Helianthus paradoxus</i> , a diploid hybrid species. <i>New Phytologist</i> , 2004, 161, 225-233.	3.5	78
218	Yeast plasma membrane <i>Ena1p</i> ATPase alters alkali-cation homeostasis and confers increased salt tolerance in tobacco cultured cells. <i>Biotechnology and Bioengineering</i> , 2004, 85, 776-789.	1.7	30
219	Antioxidative responses of <i>Calendula officinalis</i> under salinity conditions. <i>Plant Physiology and Biochemistry</i> , 2004, 42, 695-701.	2.8	212

#	ARTICLE	IF	CITATIONS
221	Arabidopsis 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
222	Enhanced Photosynthesis and Redox Energy Production Contribute to Salinity Tolerance in <i>Dunaliella</i> as Revealed by Homology-Based Proteomics. <i>Plant Physiology</i> , 2004, 136, 2806-2817.	2.3	233
223	Spermine accumulation under salt stress. <i>Journal of Plant Physiology</i> , 2004, 161, 35-42.	1.6	102
224	Progress in Botany. <i>Progress in Botany Fortschritte Der Botanik</i> , 2004, , .	0.1	2
225	Regulation of Vacuolar Na ⁺ /H ⁺ Exchange in <i>Arabidopsis thaliana</i> by the Salt-Overly-Sensitive (SOS) Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 207-215.	1.6	337
226	Hybrid zones as a tool for identifying adaptive genetic variation in outbreeding forest trees: lessons from wild annual sunflowers (<i>Helianthus</i> spp.). <i>Forest Ecology and Management</i> , 2004, 197, 49-64.	1.4	50
227	Effects of saline irrigation water and heat waves on potato production in an arid environment. <i>Field Crops Research</i> , 2004, 90, 275-285.	2.3	41
228	Suitability of alтай wildrye (<i>Elymus angustus</i>) and slender wheatgrass (<i>Agropyron trachycaulum</i>) for initial reclamation of saline composite tailings of oil sands. <i>Environmental Pollution</i> , 2004, 128, 339-349.	3.7	18
229	A pea chloroplast translation elongation factor that is regulated by abiotic factors. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 523-530.	1.0	64
230	Potential biochemical indicators of salinity tolerance in plants. <i>Plant Science</i> , 2004, 166, 3-16.	1.7	1,426
231	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
232	Enhanced tolerance to salt stress and water deficit by overexpressing superoxide dismutase in tobacco (<i>Nicotiana tabacum</i>) chloroplasts. <i>Plant Science</i> , 2004, 166, 919-928.	1.7	290
233	Molecular cloning of glutamate dehydrogenase genes of <i>Nicotiana plumbaginifolia</i> : structure analysis and regulation of their expression by physiological and stress conditions. <i>Plant Science</i> , 2004, 166, 971-982.	1.7	52
234	The biochemical reaction of maize (<i>Zea mays</i> L.) to salt stress is characterized by a mitigation of symptoms and not by a specific adaptation. <i>Plant Science</i> , 2004, 167, 91-100.	1.7	123
235	Evaluation of the role of genes encoding for γ -1-pyrroline-5-carboxylate synthetase (P5CS) during drought stress in arbuscular mycorrhizal <i>Glycine max</i> and <i>Lactuca sativa</i> plants. <i>Physiological and Molecular Plant Pathology</i> , 2004, 65, 211-221.	1.3	73
236	Responses to salt stress in the halophyte <i>Plantago crassifolia</i> (Plantaginaceae). <i>Journal of Arid Environments</i> , 2004, 58, 463-481.	1.2	138
237	Does exogenous glycinebetaine affect antioxidative system of rice seedlings under NaCl treatment?. <i>Journal of Plant Physiology</i> , 2004, 161, 1089-1100.	1.6	165
238	The characteristics of Na ⁺ , K ⁺ and free proline distribution in several drought-resistant plants of the Alxa Desert, China. <i>Journal of Arid Environments</i> , 2004, 56, 525-539.	1.2	150

#	ARTICLE	IF	CITATIONS
239	Transcriptome changes in foxtail millet genotypes at high salinity: Identification and characterization of a PHGPX gene specifically up-regulated by NaCl in a salt-tolerant line. <i>Journal of Plant Physiology</i> , 2004, 161, 467-477.	1.6	70
240	Osmotic adjustment, gas exchanges and chlorophyll fluorescence of a hexaploid triticale and its parental species under salt stress. <i>Journal of Plant Physiology</i> , 2004, 161, 25-33.	1.6	92
241	Defense potentials to NaCl in a mangrove, <i>Bruguiera parviflora</i> : Differential changes of isoforms of some antioxidative enzymes. <i>Journal of Plant Physiology</i> , 2004, 161, 531-542.	1.6	285
242	Characterization of PSII photochemistry and thermostability in salt-treated <i>Rumex</i> leaves. <i>Journal of Plant Physiology</i> , 2004, 161, 257-264.	1.6	63
243	The water- and salt-stress-regulated <i>Asr1</i> (abscisic acid stress ripening) gene encodes a zinc-dependent DNA-binding protein. <i>Biochemical Journal</i> , 2004, 381, 373-378.	1.7	115
244	Sorghum and Salinity. <i>Crop Science</i> , 2004, 44, 797-805.	0.8	142
245	Development of Crown and Root Rot Disease of Tomato Under Irrigation with Saline Water. <i>Phytopathology</i> , 2005, 95, 1438-1444.	1.1	70
246	Cloning and characterization of a wheat vacuolar cation/proton antiporter and pyrophosphatase proton pump. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 347-354.	2.8	91
247	Study of mRNA expression of <i>Arabidopsis thaliana</i> under stimulation using modified differential display RT-PCR with silver staining. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 40, 31-34.	2.5	3
248	Irrigation of Mediterranean crops with saline water: from physiology to management practices. <i>Agriculture, Ecosystems and Environment</i> , 2005, 106, 171-187.	2.5	137
249	Impact of Mississippi River freshwater reintroduction on <i>Spartina patens</i> marshes: Responses to nutrient input and lowering of salinity. <i>Wetlands</i> , 2005, 25, 155-161.	0.7	31
250	The rice homolog of the sodium/lithium tolerance gene functions as molecular chaperon in vitro. <i>Physiologia Plantarum</i> , 2005, 125, 299-310.	2.6	5
251	Adaptation to environmental stress: a rare or frequent driver of speciation?. <i>Journal of Evolutionary Biology</i> , 2005, 18, 893-900.	0.8	83
252	Jasmonic Acid Differentially Affects Growth, Ion Uptake and Abscisic Acid Concentration in Salt-tolerant and Salt-sensitive Rice Cultivars. <i>Journal of Agronomy and Crop Science</i> , 2005, 191, 273-282.	1.7	210
253	Salt tolerance in <i>Eucalyptus</i> spp.: identity and response of putative osmolytes. <i>Plant, Cell and Environment</i> , 2005, 28, 772-787.	2.8	47
254	Analysis of gene expression profiles in <i>Arabidopsis</i> salt overly sensitive mutants <i>sos2-1</i> and <i>sos3-1</i> . <i>Plant, Cell and Environment</i> , 2005, 28, 1267-1275.	2.8	40
255	K ⁺ currents through SV-type vacuolar channels are sensitive to elevated luminal sodium levels. <i>Plant Journal</i> , 2005, 41, 606-614.	2.8	79
256	The plant Mo-hydroxylases aldehyde oxidase and xanthine dehydrogenase have distinct reactive oxygen species signatures and are induced by drought and abscisic acid. <i>Plant Journal</i> , 2005, 42, 862-876.	2.8	157

#	ARTICLE	IF	CITATIONS
257	Pyridoxine is required for post-embryonic root development and tolerance to osmotic and oxidative stresses. <i>Plant Journal</i> , 2005, 44, 396-408.	2.8	163
258	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
259	Prospects for utilising plant-adaptive mechanisms to improve wheat and other crops in drought- and salinity-prone environments. <i>Annals of Applied Biology</i> , 2005, 146, 239-259.	1.3	182
260	Two New Group 3 LEA Genes of Wheat and Their Functional Analysis in Yeast. <i>Journal of Integrative Plant Biology</i> , 2005, 47, 1372-1381.	4.1	21
261	Promotion by 5-Aminolevulinic Acid of Germination of Pakchoi (<i>Brassica campestris</i> ssp. <i>chinensis</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.1	70
262	Soil salinization affects growth, yield and mineral composition of cauliflower and broccoli. <i>European Journal of Agronomy</i> , 2005, 23, 254-264.	1.9	63
263	Comparative lipid peroxidation, antioxidant defense systems and proline content in roots of two rice cultivars differing in salt tolerance. <i>Environmental and Experimental Botany</i> , 2005, 53, 247-257.	2.0	582
264	Protective effects of exogenous fatty acids on root tonoplast function against salt stress in barley seedlings. <i>Environmental and Experimental Botany</i> , 2005, 53, 215-223.	2.0	33
265	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
266	Changes in growth and in solute concentrations in sorghum leaves and roots during salt stress recovery. <i>Environmental and Experimental Botany</i> , 2005, 54, 69-76.	2.0	134
267	Differential stress responses to NaCl salt application in early- and late-maturing diploid potato (<i>Solanum</i> sp.) clones. <i>Environmental and Experimental Botany</i> , 2005, 54, 202-212.	2.0	48
268	New insights into the tonoplast architecture of plant vacuoles and vacuolar dynamics during osmotic stress. <i>BMC Plant Biology</i> , 2005, 5, 13.	1.6	106
269	A hydroponic rice seedling culture model system for investigating proteome of salt stress in rice leaf. <i>Electrophoresis</i> , 2005, 26, 4521-4539.	1.3	195
271	Genomic Analysis of Stress Respns. , 0 , , 248-265.		2
272	Salinity inhibits post transcriptional processing of chloroplast 16S rRNA in shoot cultures of jojoba (<i>Simmondsia chinensis</i>). <i>Plant Cell Reports</i> , 2005, 23, 770-774.	2.8	1
273	Drought-inducibleâ€”but ABA-independentâ€”thaumatin-like protein from carrot (<i>Daucus carota</i> L.). <i>Plant Cell Reports</i> , 2005, 24, 366-373.	2.8	42
274	Enhanced tolerance to salt stress in transgenic loblolly pine simultaneously expressing two genes encoding mannitol-1-phosphate dehydrogenase and glucitol-6-phosphate dehydrogenase. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 139-146.	2.8	65
275	A rapid method for analysis of abscisic acid (ABA) in crude extracts of water stressed <i>Arabidopsis thaliana</i> plants by liquid chromatographyâ€”mass spectrometry in tandem mode. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 407-411.	2.8	64

#	ARTICLE	IF	CITATIONS
276	High salinity reduces the content of a highly abundant 23-kDa protein of the mangrove <i>Bruguiera parviflora</i> . <i>Planta</i> , 2005, 221, 135-140.	1.6	34
277	Environmental stress alters genes expression and induces ovule abortion: reactive oxygen species appear as ovules commit to abort. <i>Planta</i> , 2005, 222, 632-642.	1.6	38
278	Salinity-induced ion flux patterns from the excised roots of <i>Arabidopsis</i> sos mutants. <i>Planta</i> , 2005, 222, 1041-1050.	1.6	223
279	Expression profiles of hot pepper (<i>capsicum annum</i>) genes under cold stress conditions. <i>Journal of Biosciences</i> , 2005, 30, 657-667.	0.5	112
280	Study of the involvement of osmotic adjustment and H ⁺ -ATPase activity in the resistance of <i>Catharanthus roseus</i> suspension cells to salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2005, 80, 287-294.	1.2	7
281	Habitat range and phenotypic variation in salt marsh plants. <i>Plant Ecology</i> , 2005, 176, 263-273.	0.7	93
282	Selenium modulates the activities of antioxidant enzymes, osmotic homeostasis and promotes the growth of sorrel seedlings under salt stress. <i>Plant Growth Regulation</i> , 2005, 45, 155-163.	1.8	186
283	Vacuolar Na ⁺ /H ⁺ antiporter from barley: identification and response to salt stress. <i>Biochemistry (Moscow)</i> , 2005, 70, 101-107.	0.7	0
284	Vacuolar Na ⁺ /H ⁺ antiporter from barley: Identification and response to salt stress. <i>Biochemistry (Moscow)</i> , 2005, 70, 100-107.	0.7	16
285	Molecular characterization of PeNhaD1: the first member of the NhaD Na ⁺ /H ⁺ antiporter family of plant origin. <i>Plant Molecular Biology</i> , 2005, 58, 75-88.	2.0	77
286	Expression of a calcineurin gene improves salt stress tolerance in transgenic rice. <i>Plant Molecular Biology</i> , 2005, 58, 483-495.	2.0	26
287	Expressed sequence tags from the Yukon ecotype of <i>Thellungiella</i> reveal that gene expression in response to cold, drought and salinity shows little overlap. <i>Plant Molecular Biology</i> , 2005, 58, 561-574.	2.0	125
288	<i>Sorghum bicolor</i> ™s Transcriptome Response to Dehydration, High Salinity and ABA. <i>Plant Molecular Biology</i> , 2005, 58, 699-720.	2.0	262
289	Genetic Control and Mechanisms of Salt and Hyperosmotic Stress Resistance in Cyanobacteria. <i>Russian Journal of Genetics</i> , 2005, 41, 1311-1321.	0.2	17
290	Involvement of Long-Distance Na ⁺ Transport in Maintaining Water Potential Gradient in the Medium-Root-Leaf System of a Halophyte <i>Suaeda altissima</i> . <i>Russian Journal of Plant Physiology</i> , 2005, 52, 489-496.	0.5	27
291	Synergism of Metabolite Action in Plant Responses to Stresses. <i>Russian Journal of Plant Physiology</i> , 2005, 52, 547-552.	0.5	15
292	Significance of Na ⁺ and K ⁺ for Sustained Hydration of Organ Tissues in Ecologically Distinct Halophytes of the Family <i>Chenopodiaceae</i> . <i>Russian Journal of Plant Physiology</i> , 2005, 52, 779-787.	0.5	41
293	Proteome analysis of sugar beet leaves under drought stress. <i>Proteomics</i> , 2005, 5, 950-960.	1.3	256

#	ARTICLE	IF	CITATIONS
294	Effects of salt stress on growth, nodulation, and nitrogen and carbon fixation of ten genetically diverse lines of chickpea (<i>Cicer arietinum</i> L.). <i>Australian Journal of Agricultural Research</i> , 2005, 56, 491.	1.5	6
296	Growth, chemical composition, and carbon isotope discrimination of pistachio (<i>Pistacia vera</i> L.) rootstock seedlings in response to salinity. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 135.	1.5	56
297	Pea DNA helicase 45 overexpression in tobacco confers high salinity tolerance without affecting yield. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 509-514.	3.3	216
298	The Transcriptional Response of <i>Saccharomyces cerevisiae</i> to <i>Pichia membranifaciens</i> Killer Toxin. <i>Journal of Biological Chemistry</i> , 2005, 280, 41881-41892.	1.6	27
299	Involvement of a Cell Wall-Associated Kinase, WAKL4, in Arabidopsis Mineral Responses. <i>Plant Physiology</i> , 2005, 139, 1704-1716.	2.3	127
300	Cloning and expression analysis of a vacuolar Na ⁺ /H ⁺ -antiporter gene from Alfalfa. <i>DNA Sequence</i> , 2005, 16, 352-357.	0.7	19
301	Characterization of a Novel Na ⁺ /H ⁺ Antiporter Gene InNHX2 and Comparison of InNHX2 with InNHX1, Which is Responsible for Blue Flower Coloration by Increasing the Vacuolar pH in the Japanese Morning Glory. <i>Plant and Cell Physiology</i> , 2005, 46, 259-267.	1.5	99
302	Enhancing Arabidopsis Salt and Drought Stress Tolerance by Chemical Priming for Its Abscisic Acid Responses. <i>Plant Physiology</i> , 2005, 139, 267-274.	2.3	387
303	Uptake of sodium in protoplasts of salt-sensitive and salt-tolerant cultivars of rice, <i>Oryza sativa</i> L. determined by the fluorescent dye SBFI. <i>Journal of Experimental Botany</i> , 2005, 56, 3149-3158.	2.4	124
304	Early Effects of Salinity on Water Transport in Arabidopsis Roots. Molecular and Cellular Features of Aquaporin Expression. <i>Plant Physiology</i> , 2005, 139, 790-805.	2.3	498
305	Exogenously Supplied Compatible Solutes Rapidly Ameliorate NaCl-induced Potassium Efflux from Barley Roots. <i>Plant and Cell Physiology</i> , 2005, 46, 1924-1933.	1.5	179
306	Differential Sensitivity of Chloroplasts in Mesophyll and Bundle Sheath Cells in Maize, an NADP-Malic Enzyme-Type C4 Plant, to Salinity Stress. <i>Plant Production Science</i> , 2005, 8, 567-577.	0.9	27
307	Generation of Specific Antibodies Against Stress-Related Proteins from NaCl Adapted Embryogenic Suspension Cultures of <i>Dactylis Glomerata</i> L.. <i>Biotechnology and Biotechnological Equipment</i> , 2005, 19, 111-115.	0.5	0
308	Tamarack response to salinity: effects of sodium chloride on growth and ion, pigment, and soluble carbohydrate levels. <i>Canadian Journal of Forest Research</i> , 2005, 35, 2806-2812.	0.8	17
309	Strategies for Adaptation of <i>Suaeda physophora</i> , <i>Haloxylon ammodendron</i> and <i>Haloxylon persicum</i> to a Saline Environment During Seed-Germination Stage. <i>Annals of Botany</i> , 2005, 96, 399-405.	1.4	182
310	<i>Populus euphratica</i> Displays Apoplastic Sodium Accumulation, Osmotic Adjustment by Decreases in Calcium and Soluble Carbohydrates, and Develops Leaf Succulence under Salt Stress. <i>Plant Physiology</i> , 2005, 139, 1762-1772.	2.3	261
311	Control of Fusarium Wilt of Cucumber Seedlings by Inoculation with an Arbuscular Mycorrhical Fungus. <i>Journal of Plant Nutrition</i> , 2005, 28, 1961-1974.	0.9	44
312	The Structure of the Arabidopsis thaliana SOS3: Molecular Mechanism of Sensing Calcium for Salt Stress Response. <i>Journal of Molecular Biology</i> , 2005, 345, 1253-1264.	2.0	166

#	ARTICLE	IF	CITATIONS
313	The leaf tonoplast V-H ⁺ -ATPase activity of a C3 halophyte <i>Suaeda salsa</i> is enhanced by salt stress in a Ca-dependent mode. <i>Journal of Plant Physiology</i> , 2005, 162, 267-274.	1.6	57
314	Role of a Ca ²⁺ -ATPase induced by ABA and IAA in the generation of specific Ca ²⁺ signals. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 406-415.	1.0	11
315	Molecular cloning and characterization of a novel soybean gene encoding a leucine-zipper-like protein induced to salt stress. <i>Gene</i> , 2005, 356, 135-145.	1.0	28
316	Salt tolerance and salinity effects on plants: a review. <i>Ecotoxicology and Environmental Safety</i> , 2005, 60, 324-349.	2.9	2,964
317	Transgenic tobacco plants overexpressing glyoxalase enzymes resist an increase in methylglyoxal and maintain higher reduced glutathione levels under salinity stress. <i>FEBS Letters</i> , 2005, 579, 6265-6271.	1.3	221
318	Free spermidine and spermine content in <i>Lotus glaber</i> under long-term salt stress. <i>Plant Science</i> , 2005, 168, 541-546.	1.7	45
319	Physiological and antioxidant responses of the perennial halophyte <i>Crithmum maritimum</i> to salinity. <i>Plant Science</i> , 2005, 168, 889-899.	1.7	277
320	Salinity and olive: Growth, salt tolerance, photosynthesis and yield. <i>Agricultural Water Management</i> , 2005, 78, 108-121.	2.4	210
321	Functional Genomics for Tolerance to Abiotic Stress in Cereals. , 2004, , 483-514.		6
322	Drought and Salt Tolerance in Plants. <i>Critical Reviews in Plant Sciences</i> , 2005, 24, 23-58.	2.7	2,081
323	Growth, ion content, gas exchange, and water relations of wheat genotypes differing in salt tolerances. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 123.	1.5	114
324	Nitrate reductase in durum wheat seedlings as affected by nitrate nutrition and salinity. <i>Functional Plant Biology</i> , 2005, 32, 209.	1.1	101
325	Induced mutation and in vitro techniques as a method to induce salt tolerance in Basmati rice (<i>Oryza</i>) Tj ETQq0 0 0,rgBT /Overlock 10 Tt	1.8	33
326	Response of Two Olive Cultivars to Salt Stress and Potassium Supplement. <i>Journal of Plant Nutrition</i> , 2006, 29, 2063-2078.	0.9	49
328	Mechanisms Underlying Plant Tolerance to Abiotic Stresses. , 2006, , 360-385.		1
329	Salt Tolerance of Canola in Relation to Accumulation and Xylem Transportation of Cations. <i>Journal of Plant Nutrition</i> , 2006, 29, 1903-1917.	0.9	14
330	Differences in salinity tolerance for growth and water-use efficiency in some amaranth (<i>Amaranthus</i> spp.) genotypes. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2006, 34, 11-22.	0.7	101
331	Response of red-osier dogwood (<i>Cornus sericea</i>) seedlings to NaCl during the onset of bud break. <i>Canadian Journal of Botany</i> , 2006, 84, 844-851.	1.2	8

#	ARTICLE	IF	CITATIONS
332	Dissecting salt stress pathways. <i>Journal of Experimental Botany</i> , 2006, 57, 1097-1107.	2.4	254
333	Abiotic Stress Generates ROS That Signal Expression of Anionic Glutamate Dehydrogenases to Form Glutamate for Proline Synthesis in Tobacco and Grapevine. <i>Plant Cell</i> , 2006, 18, 2767-2781.	3.1	364
334	Allelopathy and abiotic stress. , 2006, , 171-209.		47
335	Ultrastructural effects of salinity stress in higher plants. , 2006, , 215-226.		16
336	Stress Signal Transduction: components, pathways and network integration. , 2006, , 3-29.		11
337	Nitrosative Stress in Plants: A New Approach to Understand the Role of NO in Abiotic Stress. <i>Plant Cell Monographs</i> , 2006, , 187-205.	0.4	9
338	Salt Stress Signaling and Mechanisms of Plant Salt Tolerance. , 2006, 27, 141-177.		208
339	Non-Invasive Microelectrode Ion Flux Measurements In Plant Stress Physiology. , 2006, , 35-71.		23
340	Priming: Getting Ready for Battle. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 1062-1071.	1.4	1,241
341	Identification of Drought Tolerance Determinants by Genetic Analysis of Root Response to Drought Stress and Abscisic Acid. <i>Plant Physiology</i> , 2006, 142, 1065-1074.	2.3	366
342	The Influence of Different Electrical Conductivity Values in a Simplified Recirculating Soilless System on Inner and Outer Fruit Quality Characteristics of Tomato. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 441-448.	2.4	137
343	Novel interrelationship between salicylic acid, abscisic acid, and PIP2-specific phospholipase C in heat acclimation-induced thermotolerance in pea leaves. <i>Journal of Experimental Botany</i> , 2006, 57, 3337-3347.	2.4	120
344	Responses of the saltmarsh rush <i>Juncus kraussii</i> to salinity and waterlogging. <i>Aquatic Botany</i> , 2006, 84, 217-225.	0.8	56
345	Role of ABA in integrating plant responses to drought and salt stresses. <i>Field Crops Research</i> , 2006, 97, 111-119.	2.3	765
346	Introgression of a novel salt-tolerant L-myo-inositol 1-phosphate synthase from <i>Porteresia coarctata</i> (Roxb.) Tateoka (<i>PcINO1</i>) confers salt tolerance to evolutionary diverse organisms. <i>FEBS Letters</i> , 2006, 580, 3980-3988.	1.3	124
347	Genome-wide comparative analyses of domain organisation of repertoires of protein kinases of <i>Arabidopsis thaliana</i> and <i>Oryza sativa</i> . <i>Gene</i> , 2006, 380, 1-13.	1.0	42
348	Metabolomic, proteomic and biophysical analyses of <i>Arabidopsis thaliana</i> cells exposed to cesium stress. Influence of potassium supply. <i>Biochimie</i> , 2006, 88, 1533-1547.	1.3	79
350	SALT STRESS. , 2006, , 41-99.		60

#	ARTICLE	IF	CITATIONS
351	METABOLIC ENGINEERING FOR STRESS TOLERANCE. , 2006, , 255-299.		4
352	The use of cell membrane stability (CMS) technique to screen for salt tolerant wheat varieties. Journal of Plant Physiology, 2006, 163, 629-637.	1.6	119
353	Engineering for biosynthesis of ectoine (2-methyl 4-carboxy tetrahydro pyrimidine) in tobacco chloroplasts leads to accumulation of ectoine and enhanced salinity tolerance. Plant Science, 2006, 170, 291-306.	1.7	10
354	Functional screening of plant stress-related cDNAs by random over-expression in Escherichia coli. Plant Science, 2006, 170, 880-888.	1.7	6
355	Sequencing and analysis of 14,842 expressed sequence tags of burma mangrove, Bruguiera gymnorrhiza. Plant Science, 2006, 171, 234-241.	1.7	32
356	Evaluation of Lolium temulentum as a model grass species for the study of salinity stress by PCR-based subtractive suppression hybridization analysis. Plant Science, 2006, 171, 459-469.	1.7	34
357	Influência do acúmulo e distribuição de Ânions sobre a aclimatação de plantas de sorgo e feijão-de-corda, ao estresse salino. Revista Brasileira De Engenharia Agrícola E Ambiental, 2006, 10, 804-810.	0.4	16
358	Ameliorative effects of calcium on growth and mineral uptake of salt-stressed amaranth. South African Journal of Plant and Soil, 2006, 23, 197-202.	0.4	6
359	Seawater stress applied at germination affects mitochondrial function in durum wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 45	1.1	45
360	Genome-wide expression profiling of the osmoadaptation response of <i>Debaryomyces hansenii</i> . Yeast, 2009, 26, 111-124.	0.8	20
361	Water Relation, Photosynthetic Ability and Growth of Thai Jasmine Rice (<i>Oryza sativa</i> L. ssp. indica cv.) Tj ETQq0 0 0 rgBT /Overlock 10 T Agronomy and Crop Science, 2006, 192, 25-36.	1.7	73
362	Alleviation of photoinhibition by calcium supplement in salt-treated Rumex leaves. Physiologia Plantarum, 2006, 129, 386-396.	2.6	17
363	Constitutive expression of the pea ABA-responsive 17 (ABR17) cDNA confers multiple stress tolerance in Arabidopsis thaliana. Plant Biotechnology Journal, 2006, 4, 060606025943001-???.	4.1	31
364	Nutritional and osmotic roles of nitrate in a euhalophyte and a xerophyte in saline conditions. New Phytologist, 2006, 171, 357-366.	3.5	79
365	Overexpression of putative topoisomerase 6 genes from rice confers stress tolerance in transgenic Arabidopsis plants. FEBS Journal, 2006, 273, 5245-5260.	2.2	58
366	The Putative Ser/Thr Protein Kinase Gene GmAAPK from Soybean is Regulated by Abiotic Stress. Journal of Integrative Plant Biology, 2006, 48, 327-333.	4.1	16
367	Growth, Gas Exchange, Abscisic Acid, and Calmodulin Response to Salt Stress in Three Poplars. Journal of Integrative Plant Biology, 2006, 48, 286-293.	4.1	46
368	Identification of Festuca arundinacea Schreb Cat1 Catalase Gene and Analysis of its Expression Under Abiotic Stresses. Journal of Integrative Plant Biology, 2006, 48, 334-340.	4.1	6

#	ARTICLE	IF	CITATIONS
369	Cloning of Salt Tolerance-Related cDNAs from the Mangrove Plant <i>Sesuvium portulacastrum</i> L.. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 952-957.	4.1	14
370	Physiological Responses of <i>Zea mays</i> Seedlings to Interactions Between Cadmium and Salinity. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 807-813.	4.1	11
371	Functional Characterization of a Putative Nitrate Transporter Gene Promoter from Rice. <i>Acta Biochimica Et Biophysica Sinica</i> , 2006, 38, 795-802.	0.9	14
372	Evidence that differential gene expression between the halophyte, <i>Thellungiella halophila</i> , and <i>Arabidopsis thaliana</i> is responsible for higher levels of the compatible osmolyte proline and tight control of Na ⁺ uptake in <i>T. halophila</i> . <i>Plant, Cell and Environment</i> , 2006, 29, 1220-1234.	2.8	232
373	The dehydrogenase-mediated recycling of NADPH is a key antioxidant system against salt-induced oxidative stress in olive plants. <i>Plant, Cell and Environment</i> , 2006, 29, 1449-1459.	2.8	228
374	Isolation of a novel nodulin: a molecular marker of osmotic stress in <i>Glycine max/Bradyrhizobium japonicum</i> nodule. <i>Plant, Cell and Environment</i> , 2006, 29, 1841-1852.	2.8	9
375	Maize DBF1-interactor protein 1 containing an R3H domain is a potential regulator of DBF1 activity in stress responses. <i>Plant Journal</i> , 2006, 46, 747-757.	2.8	44
376	Annotation and expression profile analysis of 2073 full-length cDNAs from stress-induced maize (<i>Zea mays</i>) Tj ETQq1 1 0.784314 rgBT /Overl...	2.8	86
377	Morphoanatomical, physiological and biochemical adjustments in response to root zone salinity stress and high solar radiation in two Mediterranean evergreen shrubs, <i>Myrtus communis</i> and <i>Pistacia lentiscus</i> . <i>New Phytologist</i> , 2006, 170, 779-794.	3.5	101
378	Effect of abiotic stress on photosynthesis and respiration in <i>Chlamydomonas reinhardtii</i> . <i>Enzyme and Microbial Technology</i> , 2006, 40, 163-167.	1.6	38
379	Proteomics reveals elevated levels of 10 proteins in saline-tolerant peanut (<i>Arachis hypogaea</i>) calli. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 253-259.	2.8	64
380	Posttranscriptional Induction of Two Cu/Zn Superoxide Dismutase Genes in <i>Arabidopsis</i> Is Mediated by Downregulation of miR398 and Important for Oxidative Stress Tolerance. <i>Plant Cell</i> , 2006, 18, 2051-2065.	3.1	1,118
381	Growth and reproduction of a clonal plant in response to salinity and florivory. <i>Wetlands</i> , 2006, 26, 803-812.	0.7	20
382	Potassium Homeostasis in Salinized Plant Tissues. , 2006, , 287-317.		9
383	Polyamines and stress: Biological role, metabolism, and regulation. <i>Russian Journal of Plant Physiology</i> , 2006, 53, 583-604.	0.5	123
384	Osmolyte accumulation in different rape genotypes under sodium chloride salinity. <i>Russian Journal of Plant Physiology</i> , 2006, 53, 649-655.	0.5	18
385	Plant Aquaporins: New Perspectives on Water and Nutrient Uptake in Saline Environment. <i>Plant Biology</i> , 2006, 8, 535-546.	1.8	77
386	Chlorophyll fluorescence performance of sweet almond [<i>Prunus dulcis</i> (Miller) D. Webb] in response to salinity stress induced by NaCl. <i>Photosynthetica</i> , 2006, 44, 513-522.	0.9	71

#	ARTICLE	IF	CITATIONS
387	A novel drought-inducible gene, ATAF1, encodes a NAC family protein that negatively regulates the expression of stress-responsive genes in Arabidopsis. <i>Plant Molecular Biology</i> , 2006, 63, 289-305.	2.0	270
388	Responses of Papaya Seedlings (<i>Carica papaya</i> L.) to Water Stress and Re-Hydration: Growth, Photosynthesis and Mineral Nutrient Imbalance. <i>Plant and Soil</i> , 2006, 281, 137-146.	1.8	70
389	Are Root Hydraulic Conductivity Responses to Salinity Controlled by Aquaporins in Broccoli Plants?. <i>Plant and Soil</i> , 2006, 279, 13-23.	1.8	61
390	Biotechnology approaches to overcome biotic and abiotic stress constraints in legumes. <i>Euphytica</i> , 2006, 147, 1-24.	0.6	214
391	Effect of Salt Stress on the Regulation of Maize (<i>Zea mays</i> L.) Genes Involved in Polyamine Biosynthesis. <i>Plant Growth Regulation</i> , 2006, 48, 175-185.	1.8	50
392	Evaluation of Abiotic Stress Resistance in Mutated Populations of Cauliflower (<i>Brassica oleracea</i> var.) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	27
393	Generation and analysis of expressed sequence tags from the mangrove plant, <i>Acanthus ebracteatus</i> Vahl. <i>Tree Genetics and Genomes</i> , 2006, 2, 196-201.	0.6	21
394	Cyclic electron flow around photosystem 1 is required for adaptation to salt stress in wild soybean species <i>Glycine cyrtoloba</i> ACC547. <i>Biologia Plantarum</i> , 2006, 50, 586-590.	1.9	22
395	Water relations and photosynthesis in <i>Cucumis sativus</i> L. leaves under salt stress. <i>Biologia Plantarum</i> , 2006, 50, 610-616.	1.9	178
396	Proline accumulation in two bean cultivars under salt stress and the effect of polyamines and ornithine. <i>Biologia Plantarum</i> , 2006, 50, 763-766.	1.9	67
397	Growth, compatible solute and salt accumulation of five mycorrhizal fungal species grown over a range of NaCl concentrations. <i>Mycorrhiza</i> , 2006, 16, 99-109.	1.3	54
398	Isolation of a cDNA clone (PcSrp) encoding serine-rich-protein from <i>Porteresia coarctata</i> T. and its expression in yeast and finger millet (<i>Eleusine coracana</i> L.) affording salt tolerance. <i>Planta</i> , 2006, 224, 347-359.	1.6	54
399	Nitric oxide enhances salt tolerance in maize seedlings through increasing activities of proton-pump and Na ⁺ /H ⁺ antiport in the tonoplast. <i>Planta</i> , 2006, 224, 545-555.	1.6	350
400	Expression analysis of barley (<i>Hordeum vulgare</i> L.) during salinity stress. <i>Functional and Integrative Genomics</i> , 2006, 6, 143-156.	1.4	138
401	Monitoring expression profiles of Arabidopsis genes during cold acclimation and deacclimation using DNA microarrays. <i>Functional and Integrative Genomics</i> , 2006, 6, 212-234.	1.4	137
402	Salt stress response in rice: genetics, molecular biology, and comparative genomics. <i>Functional and Integrative Genomics</i> , 2006, 6, 263-284.	1.4	169
403	Changes in gene expression in maize kernel in response to water and salt stress. <i>Plant Cell Reports</i> , 2006, 25, 71-79.	2.8	69
404	Targeted metabolite profiling provides a functional link among eucalypt taxonomy, physiology and evolution. <i>Phytochemistry</i> , 2006, 67, 402-408.	1.4	63

#	ARTICLE	IF	CITATIONS
405	Aster tripolium L. and Sesuvium portulacastrum L.: two halophytes, two strategies to survive in saline habitats. <i>Plant Physiology and Biochemistry</i> , 2006, 44, 395-408.	2.8	95
406	Effect of salt stress on activity of superoxide dismutase (SOD) in <i>Ulmus pumila</i> L.. <i>Journal of Forestry Research</i> , 2006, 17, 13-16.	1.7	35
407	Effect of CaCl ₂ on growth performance, photosynthetic efficiency and nitrogen assimilation of <i>Cichorium intybus</i> L. grown under NaCl stress. <i>Acta Physiologiae Plantarum</i> , 2006, 28, 137-147.	1.0	41
408	Antioxidative response mechanisms in halophytes: Their role in stress defence. <i>Journal of Genetics</i> , 2006, 85, 237-254.	0.4	277
409	Diversity of salt response among yeasts. <i>Annals of Microbiology</i> , 2006, 56, 363-368.	1.1	8
410	Antioxidative response in different sorghum species under short-term salinity stress. <i>Acta Physiologiae Plantarum</i> , 2006, 28, 465-475.	1.0	49
411	Effect of salinity on growth, photosynthesis, water relations and solute composition of the potential cash crop halophyte <i>Plantago coronopus</i> (L.). <i>Environmental and Experimental Botany</i> , 2006, 56, 136-146.	2.0	368
412	Clustering of halophytes from an inland salt marsh in Turkey according to their ability to accumulate sodium and nitrogenous osmolytes. <i>Environmental and Experimental Botany</i> , 2006, 57, 139-153.	2.0	85
413	Analysis of expression of aquaporins and Na ⁺ /H ⁺ transporters in tomato colonized by arbuscular mycorrhizal fungi and affected by salt stress. <i>Environmental and Experimental Botany</i> , 2006, 57, 177-186.	2.0	135
414	Effects of foliar application of calcium nitrate on growth and physiological attributes of cowpea (<i>Vigna unguiculata</i> L. Walp.) grown under salt stress. <i>Environmental and Experimental Botany</i> , 2006, 58, 188-196.	2.0	70
415	Seasonal and annual variation of osmotic solute and stable carbon isotope composition in leaves of endangered desert evergreen shrub <i>Ammopiptanthus mongolicus</i> . <i>South African Journal of Botany</i> , 2006, 72, 570-578.	1.2	11
416	Salt tolerance in a <i>Juncus roemerianus</i> brackish marsh: Spatial variations in plant water relations. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 337, 1-12.	0.7	51
417	Yield, fruit quality and mineral composition of grafted melon plants grown under saline conditions. <i>Journal of Horticultural Science and Biotechnology</i> , 2006, 81, 146-152.	0.9	106
418	Ectomycorrhizal fungi affect the physiological responses of <i>Picea glauca</i> and <i>Pinus banksiana</i> seedlings exposed to an NaCl gradient. <i>Tree Physiology</i> , 2006, 26, 1185-1196.	1.4	29
419	Identification of plant stress-responsive determinants in arabidopsis by large-scale forward genetic screens. <i>Journal of Experimental Botany</i> , 2006, 57, 1119-1128.	2.4	65
420	Characterization of genes for novel thaumatin-like proteins in <i>Cryptomeria japonica</i> . <i>Tree Physiology</i> , 2006, 26, 51-62.	1.4	25
421	Barley transcript profiles under dehydration shock and drought stress treatments: a comparative analysis. <i>Journal of Experimental Botany</i> , 2006, 58, 229-240.	2.4	201
422	Arabidopsis Carboxyl-Terminal Domain Phosphatase-Like Isoforms Share Common Catalytic and Interaction Domains But Have Distinct in Planta Functions. <i>Plant Physiology</i> , 2006, 142, 586-594.	2.3	41

#	ARTICLE	IF	CITATIONS
423	Improvement of Cold Tolerance in Horticultural Crops by Genetic Engineering. Journal of Crop Improvement, 2006, 17, 69-120.	0.9	9
424	Calcium Sulfate Improves Salinity Tolerance in Rootstocks of Plum. Journal of Plant Nutrition, 2006, 29, 553-564.	0.9	31
425	The Relationships between Salt Stress and Anthocyanin Content in Higher Plants. Biotechnology and Biotechnological Equipment, 2006, 20, 47-52.	0.5	97
426	The Arabidopsis Tetratricopeptide Repeat-Containing Protein TTL1 Is Required for Osmotic Stress Responses and Abscisic Acid Sensitivity. Plant Physiology, 2006, 142, 1113-1126.	2.3	97
427	Metabolic engineering of glycinebetaine. , 2006, , 137-151.		31
428	Extracellular Ca ²⁺ Ameliorates NaCl-Induced K ⁺ Loss from Arabidopsis Root and Leaf Cells by Controlling Plasma Membrane K ⁺ -Permeable Channels. Plant Physiology, 2006, 141, 1653-1665.	2.3	418
429	The deleterious effects of salinity stress on leafminers and their freshwater host. Ecological Entomology, 2006, 31, 345-351.	1.1	27
430	Genome-wide RNAi screening identifies protein damage as a regulator of osmoprotective gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12173-12178.	3.3	163
431	Overexpression of wheat Na ⁺ /H ⁺ antiporter TNH1 and H ⁺ -pyrophosphatase TVP1 improve salt- and drought-stress tolerance in Arabidopsis thaliana plants. Journal of Experimental Botany, 2006, 58, 301-308.	2.4	260
432	Eco-Physiological Studies On Indian Desert Plants: Effect Of Salt On Antioxidant Defense Systems In Ziziphus Spp. Tasks for Vegetation Science, 2008, , 201-213.	0.6	3
433	An Insight into the Molecular Basis of Salt Tolerance of l-myo-Inositol 1-P Synthase (PcINO1) from Porteresia coarctata (Roxb.) Tateoka, a Halophytic Wild Rice. Plant Physiology, 2006, 140, 1279-1296.	2.3	50
434	Osmogenetics: Aristotle to Arabidopsis. Plant Cell, 2006, 18, 1542-1557.	3.1	78
435	Alkali cation exchangers: roles in cellular homeostasis and stress tolerance. Journal of Experimental Botany, 2006, 57, 1181-1199.	2.4	385
436	Abiotic Stress in Rice. An "Omic" Approach. Plant Physiology, 2006, 140, 1139-1141.	2.3	39
437	Compatible solute accumulation and stress-mitigating effects in barley genotypes contrasting in their salt tolerance. Journal of Experimental Botany, 2007, 58, 4245-4255.	2.4	358
438	Polyamines Improve K ⁺ /Na ⁺ Homeostasis in Barley Seedlings by Regulating Root Ion Channel Activities. Plant Physiology, 2007, 145, 1061-1072.	2.3	124
439	Root Plasma Membrane Transporters Controlling K ⁺ /Na ⁺ Homeostasis in Salt-Stressed Barley. Plant Physiology, 2007, 145, 1714-1725.	2.3	458
440	Differential Expression of the TFIIIA Regulatory Pathway in Response to Salt Stress between <i>Medicago truncatula</i> Genotypes. Plant Physiology, 2007, 145, 1521-1532.	2.3	68

#	ARTICLE	IF	CITATIONS
441	Overexpression of an R1R2R3 MYB Gene, OsMYB3R-2, Increases Tolerance to Freezing, Drought, and Salt Stress in Transgenic Arabidopsis. <i>Plant Physiology</i> , 2007, 143, 1739-1751.	2.3	492
442	The Phi Thickening in Roots of Broccoli Plants: An Acclimation Mechanism to Salinity?. <i>International Journal of Plant Sciences</i> , 2007, 168, 1141-1149.	0.6	45
443	Expression of ASCORBATE PEROXIDASE 8 in roots of rice (<i>Oryza sativa</i> L.) seedlings in response to NaCl. <i>Journal of Experimental Botany</i> , 2007, 58, 3273-3283.	2.4	96
444	Arabidopsis INOSITOL TRANSPORTER2 Mediates H ⁺ Symport of Different Inositol Epimers and Derivatives across the Plasma Membrane. <i>Plant Physiology</i> , 2007, 145, 1395-1407.	2.3	68
445	Sand priming in relation to physiological changes in seed germination and seedling growth of waxy maize under high-salt stress. <i>Seed Science and Technology</i> , 2007, 35, 733-738.	0.6	24
446	Effect of alternative anions (Cl ⁻ vs. SO ₄ ²⁻) on concentrations of free amino acids in young tea plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2007, 170, 49-58.	1.1	20
448	Salt tolerance, salt accumulation, and ionic homeostasis in an epidermal bladder-cell-less mutant of the common ice plant <i>Mesembryanthemum crystallinum</i> . <i>Journal of Experimental Botany</i> , 2007, 58, 1957-1967.	2.4	166
449	Monitoring and analysis of electrical signals in water-stressed plants. <i>New Zealand Journal of Agricultural Research</i> , 2007, 50, 823-829.	0.9	9
450	Growth of Avocado Plants Under Saline Conditions. <i>International Journal of Fruit Science</i> , 2007, 7, 59-75.	1.2	5
451	An Enhancer Mutant of Arabidopsis salt overly sensitive 3 Mediates both Ion Homeostasis and the Oxidative Stress Response. <i>Molecular and Cellular Biology</i> , 2007, 27, 5214-5224.	1.1	127
452	How the Environment Regulates Root Architecture in Dicots. <i>Advances in Botanical Research</i> , 2007, 46, 35-74.	0.5	23
453	Molecular Response to Osmotic Shock. <i>Cell Engineering</i> , 2007, , 213-236.	0.4	4
454	The CCCH-Type Zinc Finger Proteins AtSZF1 and AtSZF2 Regulate Salt Stress Responses in Arabidopsis. <i>Plant and Cell Physiology</i> , 2007, 48, 1148-1158.	1.5	175
455	Growth, Gas Exchange, Chlorophyll Fluorescence, and Ion Content of Naked Oat in Response to Salinity. <i>Crop Science</i> , 2007, 47, 123-131.	0.8	162
456	Seasonal changes in nitrogen metabolites and Na ⁺ /K ⁺ ratio in some desert species. <i>Acta Botanica Hungarica</i> , 2007, 49, 385-400.	0.1	2
457	Comparative analysis of water and salt stress-induced modifications of quality parameters in cherry tomatoes. <i>Journal of Horticultural Science and Biotechnology</i> , 2007, 82, 283-289.	0.9	38
458	Pre-conditioning ornamental plants to drought by means of saline water irrigation as related to salinity tolerance. <i>Scientia Horticulturae</i> , 2007, 113, 52-59.	1.7	60
459	Carbon monoxide counteracts the inhibition of seed germination and alleviates oxidative damage caused by salt stress in <i>Oryza sativa</i> . <i>Plant Science</i> , 2007, 172, 544-555.	1.7	100

#	ARTICLE	IF	CITATIONS
460	Microarray analysis of 7029 gene expression patterns in burma mangrove under high-salinity stress. <i>Plant Science</i> , 2007, 172, 948-957.	1.7	31
461	Coordinate up-regulation of V-H ⁺ -ATPase and vacuolar Na ⁺ /H ⁺ antiporter as a response to NaCl treatment in a C3 halophyte <i>Suaeda salsa</i> . <i>Plant Science</i> , 2007, 172, 1218-1225.	1.7	98
462	Regulations of marker genes involved in biotic and abiotic stress by overexpression of the AtNDPK2 gene in rice. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 126-132.	1.0	11
463	Calcium chloride effects on salinity-induced oxidative stress, proline metabolism and indole alkaloid accumulation in <i>Catharanthus roseus</i> . <i>Comptes Rendus - Biologies</i> , 2007, 330, 674-683.	0.1	108
464	Deciphering the regulatory mechanisms of abiotic stress tolerance in plants by genomic approaches. <i>Gene</i> , 2007, 388, 1-13.	1.0	281
465	Identification and sequencing of ESTs from the halophyte grass <i>Aeluropus litoralis</i> . <i>Gene</i> , 2007, 404, 61-69.	1.0	56
466	The effect of abiotic stresses on carbohydrate status of olive shoots (<i>Olea europaea</i> L.) under in vitro conditions. <i>Journal of Plant Physiology</i> , 2007, 164, 174-184.	1.6	73
467	Na ⁺ accumulation in shoot is related to water transport in K ⁺ -starved sunflower plants but not in plants with a normal K ⁺ status. <i>Journal of Plant Physiology</i> , 2007, 164, 60-67.	1.6	50
468	Identification of expressed sequence tags in an alkali grass (<i>Puccinellia tenuiflora</i>) cDNA library. <i>Journal of Plant Physiology</i> , 2007, 164, 78-89.	1.6	45
469	Modification of plasma membrane and vacuolar H ⁺ -ATPases in response to NaCl and ABA. <i>Journal of Plant Physiology</i> , 2007, 164, 295-302.	1.6	76
470	Exogenous proline mitigates the detrimental effects of salt stress more than exogenous betaine by increasing antioxidant enzyme activities. <i>Journal of Plant Physiology</i> , 2007, 164, 553-561.	1.6	256
471	Alternative oxidase regulation in roots of <i>Vigna unguiculata</i> cultivars differing in drought/salt tolerance. <i>Journal of Plant Physiology</i> , 2007, 164, 718-727.	1.6	71
472	NADPH oxidase-dependent hydrogen peroxide production, induced by salinity stress, may be involved in the regulation of total calcium in roots of wheat. <i>Journal of Plant Physiology</i> , 2007, 164, 1429-1435.	1.6	59
473	Exogenous proline and glycinebetaine increase NaCl-induced ascorbate-glutathione cycle enzyme activities, and proline improves salt tolerance more than glycinebetaine in tobacco Bright Yellow-2 suspension-cultured cells. <i>Journal of Plant Physiology</i> , 2007, 164, 1457-1468.	1.6	267
474	The externally derived portion of the hyperosmotic shock-activated cytosolic calcium pulse mediates adaptation to ionic stress in suspension-cultured tobacco cells. <i>Journal of Plant Physiology</i> , 2007, 164, 815-823.	1.6	10
475	Proteomics-based dissection of stress-responsive pathways in plants. <i>Journal of Plant Physiology</i> , 2007, 164, 1239-1260.	1.6	107
476	Effect of soil salinity on growth, water status and nutrient accumulation in seedlings of <i>Cassia montana</i> (Fabaceae). <i>Journal of Arid Environments</i> , 2007, 70, 174-182.	1.2	18
477	Nitrosative stress in plants. <i>FEBS Letters</i> , 2007, 581, 453-461.	1.3	309

#	ARTICLE	IF	CITATIONS
479	Expressed sequence tags from the halophyte <i>Limonium sinense</i> . <i>DNA Sequence</i> , 2007, 18, 61-67.	0.7	16
480	Interactive Effects of Nitrogen Source and Salinity on Growth Indices and Ion Content of Indian Mustard. <i>Journal of Plant Nutrition</i> , 2007, 30, 569-598.	0.9	11
481	Responses of Photosynthesis, Chlorophyll Fluorescence and ROS-Scavenging Systems to Salt Stress During Seedling and Reproductive Stages in Rice. <i>Annals of Botany</i> , 2007, 99, 1161-1173.	1.4	565
482	Evaluation of Source Leaf Responses to Water-Deficit Stresses in Cotton Using a Novel Stress Bioassay. <i>Plant Physiology</i> , 2007, 143, 108-121.	2.3	46
483	Changes in Growth and Activity of Enzymes Involved in Nitrate Reduction and Ammonium Assimilation in Tomato Seedlings in Response to NaCl Stress. <i>Annals of Botany</i> , 2007, 99, 1143-1151.	1.4	114
484	Plant Growth And Development Under Salinity Stress. , 2007, , 1-32.		158
485	Transcriptome Analysis of Plant Drought and Salt Stress Response. , 2007, , 261-283.		8
486	Responses of <i>Tamarix ramosissima</i> ABA accumulation to changes in groundwater levels and soil salinity in the lower reaches of Tarim River, China. <i>Acta Ecologica Sinica</i> , 2007, 27, 4247-4251.	0.9	15
487	Overexpression of sedoheptulose-1,7-bisphosphatase enhances photosynthesis and growth under salt stress in transgenic rice plants. <i>Functional Plant Biology</i> , 2007, 34, 822.	1.1	93
488	Differential response of indica rice genotypes to NaCl stress in relation to physiological and biochemical parameters. <i>Archives of Agronomy and Soil Science</i> , 2007, 53, 581-592.	1.3	21
489	Metabolism and Metabolomics of Eukaryotes Living Under Extreme Conditions. <i>International Review of Cytology</i> , 2007, 256, 1-34.	6.2	39
490	Identifying water stress-response mechanisms in citrus by in silico transcriptome analysis. <i>Genetics and Molecular Biology</i> , 2007, 30, 888-905.	0.6	8
491	Salinity reduced growth PS2 photochemistry and chlorophyll content in radish. <i>Scientia Agricola</i> , 2007, 64, 111-118.	0.6	144
492	Xylem sap analysis reveals new facts of salt tolerance in rice genotypes. <i>Brazilian Journal of Plant Physiology</i> , 2007, 19, 185-192.	0.5	3
493	Response of the Higher Basidiomycetic <i>Ganoderma resinaceum</i> to Sodium Chloride Stress. <i>Mycobiology</i> , 2007, 35, 124.	0.6	5
495	Changes in antioxidant metabolism of <i>Vigna unguiculata</i> (L.) Walp. by propiconazole under water deficit stress. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 57, 69-74.	2.5	150
496	Induction of drought stress tolerance by ketoconazole in <i>Catharanthus roseus</i> is mediated by enhanced antioxidant potentials and secondary metabolite accumulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 60, 201-206.	2.5	153
497	Modulation of polyamine balance in <i>Lotus glaber</i> by salinity and arbuscular mycorrhiza. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 39-46.	2.8	125

#	ARTICLE	IF	CITATIONS
498	Immunoaffinity chromatography of abscisic acid combined with electrospray liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 847, 162-173.	1.2	44
499	A central integrator of transcription networks in plant stress and energy signalling. <i>Nature</i> , 2007, 448, 938-942.	13.7	1,270
500	Glycinebetaine Accumulation, Physiological Characterizations and Growth Efficiency in Salt-tolerant and Salt-sensitive Lines of Indica Rice (<i>Oryza sativa</i> L. ssp. indica) in Response to Salt Stress. <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 157-166.	1.7	87
501	Influence of Calcium Silicate on Growth, Physiological Parameters and Mineral Nutrition in Two Legume Species Under Salt Stress. <i>Journal of Agronomy and Crop Science</i> , 2007, 193, 413-421.	1.7	87
502	Enhanced systemic resistance to bacterial speck disease caused by <i>Pseudomonas syringae</i> pv. tomato by dl- γ -aminobutyric acid under salt stress. <i>Physiologia Plantarum</i> , 2007, 129, 493-506.	2.6	19
503	Some photosynthetic responses to salinity resistance are transferred into the somatic hybrid descendants from the wild soybean <i>Glycine cyrtoloba</i> ACC547. <i>Physiologia Plantarum</i> , 2007, 129, 658-669.	2.6	30
504	High salt stress in wheat leaves causes retardation of chlorophyll accumulation due to a limited rate of protochlorophyllide formation. <i>Physiologia Plantarum</i> , 2007, 130, 157-166.	2.6	45
505	Sodium sensing induces different changes in free cytosolic calcium concentration and pH in salt-tolerant and -sensitive rice (<i>Oryza sativa</i>) cultivars. <i>Physiologia Plantarum</i> , 2007, 130, 99-111.	2.6	57
506	Effect of salt stress on the expression of NHX-type ion transporters in <i>Medicago intertexta</i> and <i>Melilotus indicus</i> plants. <i>Physiologia Plantarum</i> , 2007, 131, 122-130.	2.6	46
507	Salt resistance is determined by osmotic adjustment and abscisic acid in newly developed maize hybrids in the first phase of salt stress. <i>Physiologia Plantarum</i> , 2007, 131, 311-321.	2.6	71
508	A subset of GAF domains are evolutionarily conserved sodium sensors. <i>Molecular Microbiology</i> , 2007, 64, 461-472.	1.2	31
509	Interaction of nitrogen nutrition and salinity in Grey poplar (<i>Populus tremula</i> \times <i>Populus alba</i>). <i>Plant, Cell and Environment</i> , 2007, 30, 796-811.	2.8	99
510	Compatible solutes reduce ROS-induced potassium efflux in <i>Arabidopsis</i> roots. <i>Plant, Cell and Environment</i> , 2007, 30, 875-885.	2.8	220
511	AtNHX8, a member of the monovalent cation:proton antiporter-1 family in <i>Arabidopsis thaliana</i> , encodes a putative Li ⁺ /H ⁺ antiporter. <i>Plant Journal</i> , 2007, 49, 718-728.	2.8	98
512	A plastid-localized glycogen synthase kinase ϵ 3 modulates stress tolerance and carbohydrate metabolism. <i>Plant Journal</i> , 2007, 49, 1076-1090.	2.8	70
513	AAP1 transports uncharged amino acids into roots of <i>Arabidopsis</i> . <i>Plant Journal</i> , 2007, 50, 305-319.	2.8	189
514	Cell division activity determines the magnitude of phosphate starvation responses in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2007, 50, 545-556.	2.8	74
515	The calcium sensor CBL10 mediates salt tolerance by regulating ion homeostasis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2007, 52, 473-484.	2.8	333

#	ARTICLE	IF	CITATIONS
516	The lithium tolerance of the Arabidopsis <i>cat2</i> mutant reveals a cross-talk between oxidative stress and ethylene. <i>Plant Journal</i> , 2007, 52, 1052-1065.	2.8	91
517	Reactive oxygen species mediate Na ⁺ -induced <i>SOS1</i> mRNA stability in Arabidopsis. <i>Plant Journal</i> , 2008, 53, 554-565.	2.8	214
518	Combinatorial interactions of multiple cis-elements regulating the induction of the Arabidopsis <i>XERO2</i> dehydrin gene by abscisic acid and cold. <i>Plant Journal</i> , 2008, 54, 15-29.	2.8	30
519	Kinetics of the Anti-oxidant Response to Salinity in the Halophyte <i>Cakile maritima</i> . <i>Journal of Integrative Plant Biology</i> , 2007, 49, 982-992.	4.1	39
520	Understanding Abiotic Stress Tolerance Mechanisms: Recent Studies on Stress Response in Rice. <i>Journal of Integrative Plant Biology</i> , 2007, 49, 742-750.	4.1	172
521	Roles of glycine betaine and proline in improving plant abiotic stress resistance. <i>Environmental and Experimental Botany</i> , 2007, 59, 206-216.	2.0	3,403
522	The effects of calcium sulphate on growth, membrane stability and nutrient uptake of tomato plants grown under salt stress. <i>Environmental and Experimental Botany</i> , 2007, 59, 173-178.	2.0	267
523	Proline content of sugar beet storage roots: Response to water deficit and nitrogen fertilization at field conditions. <i>Environmental and Experimental Botany</i> , 2007, 60, 257-267.	2.0	80
524	Biophysical and morphological leaf adaptations to drought and salinity in salt marsh grasses. <i>Environmental and Experimental Botany</i> , 2007, 60, 458-467.	2.0	59
525	Effect of NaCl on the growth and the ionic balance K ⁺ /Na ⁺ of two populations of <i>Lotus creticus</i> (L.) (Papilionaceae). <i>South African Journal of Botany</i> , 2007, 73, 623-631.	1.2	47
526	Seagrass-salinity interactions: Physiological mechanisms used by submersed marine angiosperms for a life at sea. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 350, 194-215.	0.7	184
527	Protein pattern changes in tomato under in vitro salt stress. <i>Russian Journal of Plant Physiology</i> , 2007, 54, 464-471.	0.5	36
528	Pinocytosis in the root cells of a salt-accumulating halophyte <i>Suaeda altissima</i> and its possible involvement in chloride transport. <i>Russian Journal of Plant Physiology</i> , 2007, 54, 797-805.	0.5	28
529	Solute and Water Relations of Growing Plant Cells. , 2006, , 7-31.		4
530	Transgenic tobacco expressing a ring domain-containing protein of <i>Capsicum annuum</i> confers improved cold tolerance. <i>Journal of Plant Biology</i> , 2007, 50, 44-49.	0.9	1
531	Salt-stress signaling. <i>Journal of Plant Biology</i> , 2007, 50, 148-155.	0.9	45
532	CbLEA, a Novel LEA Gene from <i>Chorispora bungeana</i> , Confers Cold Tolerance in Transgenic Tobacco. <i>Journal of Plant Biology</i> , 2007, 50, 336-343.	0.9	5
533	Rubidium chloride tolerant callus cultures of rice (<i>Oryza sativa</i> L.) accumulate more potassium and cross tolerate to other salts. <i>Plant Cell Reports</i> , 2007, 26, 1647-1662.	2.8	2

#	ARTICLE	IF	CITATIONS
534	Transgenic tobacco plants overexpressing the heterologous <i>lea</i> gene Rab16A from rice during high salt and water deficit display enhanced tolerance to salinity stress. <i>Plant Cell Reports</i> , 2007, 26, 1839-1859.	2.8	173
535	Comparative QTL analysis of salinity tolerance in terms of fruit yield using two <i>Solanum</i> populations of F7 lines. <i>Theoretical and Applied Genetics</i> , 2007, 114, 1001-1017.	1.8	74
536	<i>Pennisetum glaucum</i> Na ⁺ /H ⁺ antiporter confers high level of salinity tolerance in transgenic <i>Brassica juncea</i> . <i>Molecular Breeding</i> , 2007, 19, 137-151.	1.0	85
537	Overexpression of the Na ⁺ /H ⁺ antiporter gene from <i>Suaeda salsa</i> confers cold and salt tolerance to transgenic <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 90, 41-48.	1.2	40
538	Expression of an NADP-malic enzyme gene in rice (<i>Oryza sativa</i> , L) is induced by environmental stresses; over-expression of the gene in <i>Arabidopsis</i> confers salt and osmotic stress tolerance. <i>Plant Molecular Biology</i> , 2007, 64, 49-58.	2.0	107
539	Molecular characterization of PeSOS1: the putative Na ⁺ /H ⁺ antiporter of <i>Populus euphratica</i> . <i>Plant Molecular Biology</i> , 2007, 65, 1-11.	2.0	92
540	<i>Arabidopsis</i> EIN2 modulates stress response through abscisic acid response pathway. <i>Plant Molecular Biology</i> , 2007, 64, 633-644.	2.0	150
541	Consequence of salinity and excess boron on growth, evapotranspiration and ion uptake in date palm (<i>Phoenix dactylifera</i> L., cv. Medjool). <i>Plant and Soil</i> , 2007, 297, 147-155.	1.8	60
542	Proline accumulation as a response to salt stress in 30 wheat (<i>Triticum aestivum</i> L.) cultivars differing in salt tolerance. <i>Genetic Resources and Crop Evolution</i> , 2007, 54, 925-934.	0.8	61
543	Effect of nickel on ROS content and antioxidative enzyme activities in wheat leaves. <i>BioMetals</i> , 2007, 20, 27-36.	1.8	223
544	Identification of two phenotypes of <i>Arabidopsis thaliana</i> under in vitro salt stress conditions. <i>Biologia Plantarum</i> , 2007, 51, 436-442.	1.9	13
545	In vitro selection of salt tolerant cell lines in <i>Solanum tuberosum</i> L.. <i>Biologia Plantarum</i> , 2007, 51, 728-734.	1.9	64
546	Plasma membrane ultrastructure in embryogenic cultures of orchardgrass during NaCl stress. <i>Biologia Plantarum</i> , 2007, 51, 759-763.	1.9	5
547	Genetic variation among different populations of <i>Aster tripolium</i> grown on naturally and anthropogenic salt-contaminated habitats: implications for conservation strategies. <i>Journal of Plant Research</i> , 2007, 120, 99-112.	1.2	19
548	Salt impact on photosynthesis and leaf ultrastructure of <i>Aeluropus litoralis</i> . <i>Journal of Plant Research</i> , 2007, 120, 529-537.	1.2	71
549	Heterologous expression of vacuolar H ⁺ -PPase enhances the electrochemical gradient across the vacuolar membrane and improves tobacco cell salt tolerance. <i>Protoplasma</i> , 2007, 232, 87-95.	1.0	43
550	Amino acids regulate salinity-induced potassium efflux in barley root epidermis. <i>Planta</i> , 2007, 225, 753-761.	1.6	127
551	Overexpression of OsCOIN, a putative cold inducible zinc finger protein, increased tolerance to chilling, salt and drought, and enhanced proline level in rice. <i>Planta</i> , 2007, 226, 1007-1016.	1.6	157

#	ARTICLE	IF	CITATIONS
552	Enhancement of salt tolerance in transgenic rice expressing an Escherichia coli catalase gene, katE. <i>Plant Biotechnology Reports</i> , 2007, 1, 49-55.	0.9	71
553	Functional validation of a novel isoform of Na ⁺ /H ⁺ antiporter from Pennisetum glaucum for enhancing salinity tolerance in rice. <i>Journal of Biosciences</i> , 2007, 32, 621-628.	0.5	109
554	Effects of NaCl and mannitol induced stress on sugarcane (<i>Saccharum sp.</i>) callus cultures. <i>Acta Physiologiae Plantarum</i> , 2007, 29, 95-102.	1.0	82
555	Responses of antioxidant defense system of <i>Catharanthus roseus</i> (L.) G. Don. to paclobutrazol treatment under salinity. <i>Acta Physiologiae Plantarum</i> , 2007, 29, 205-209.	1.0	175
556	Alterations in root lipid peroxidation and antioxidative responses in two rice cultivars under NaCl-salinity stress. <i>Acta Physiologiae Plantarum</i> , 2007, 30, 81-89.	1.0	221
557	Impact of salt stress on the features and activities of root system for three desert halophyte species in their seedling stage. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 97-106.	0.9	10
558	Comparative expression analysis of three genes from the Arabidopsis vacuolar Na ⁺ /H ⁺ antiporter (AtNHX) family in relation to abiotic stresses. <i>Science Bulletin</i> , 2007, 52, 1754-1763.	1.7	11
559	Lipid content in higher plants under osmotic stress. <i>Bioelectrochemistry</i> , 2007, 70, 12-17.	2.4	13
560	Expression of stress gene networks in tomato lines susceptible and resistant to Tomato yellow leaf curl virus in response to abiotic stresses. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 482-492.	2.8	14
561	Growth and ultrastructural characteristics of Citrus cells grown in medium containing NaCl. <i>Biologia Plantarum</i> , 2008, 52, 129-132.	1.9	6
562	Induction of cyclic electron flow around photosystem 1 and state transition are correlated with salt tolerance in soybean. <i>Photosynthetica</i> , 2008, 46, .	0.9	20
563	Transcriptional and physiological study of the response of Burma mangrove (<i>Bruguiera gymnorhiza</i>) to salt and osmotic stress. <i>Plant Molecular Biology</i> , 2008, 68, 119-129.	2.0	41
564	A putative role for the plasma membrane potential in the control of the expression of the gene encoding the tomato high-affinity potassium transporter HAK5. <i>Plant Molecular Biology</i> , 2008, 68, 521-532.	2.0	119
565	Effect of salinity on composition, viability and germination of seeds of <i>Chenopodium quinoa</i> Willd. <i>Plant and Soil</i> , 2008, 302, 79-90.	1.8	147
566	Combined effect of salinity and excess boron on plant growth and yield. <i>Plant and Soil</i> , 2008, 304, 73-87.	1.8	120
567	Overexpression of HVA1 gene from barley generates tolerance to salinity and water stress in transgenic mulberry (<i>Morus indica</i>). <i>Transgenic Research</i> , 2008, 17, 651-663.	1.3	116
568	Effects of exogenous abscisic acid (ABA) on cucumber seedling leaf carbohydrate metabolism under low temperature. <i>Plant Growth Regulation</i> , 2008, 56, 233-244.	1.8	25
569	Overexpression of ENA1 from yeast increases salt tolerance in Arabidopsis. <i>Journal of Plant Biology</i> , 2008, 51, 159-165.	0.9	8

#	ARTICLE	IF	CITATIONS
570	Identification of changes in <i>Triticum durum</i> L. leaf proteome in response to salt stress by two-dimensional electrophoresis and MALDI-TOF mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 381-390.	1.9	148
571	Influence of Salinity on the In Vitro Development of <i>Glomus intraradices</i> and on the In Vivo Physiological and Molecular Responses of Mycorrhizal Lettuce Plants. <i>Microbial Ecology</i> , 2008, 55, 45-53.	1.4	298
572	Comparative physiological and molecular responses of a common aromatic indica rice cultivar to high salinity with non-aromatic indica rice cultivars. <i>Plant Cell Reports</i> , 2008, 27, 1395-1410.	2.8	170
573	Abscisic Acid Response of Corn (<i>Zea mays</i> L.) Roots and Protoplasts to Lanthanum. <i>Journal of Plant Growth Regulation</i> , 2008, 27, 19-25.	2.8	9
574	Growth, photosynthesis, and ion distribution in hydroponically cultured <i>Populus alba</i> L. cuttings grown under various salinity concentrations. <i>Landscape and Ecological Engineering</i> , 2008, 4, 75-82.	0.7	16
575	Growth, physiological characteristics and ion distribution of NaCl stressed <i>Alhagi sparsifolia</i> seedlings. <i>Science Bulletin</i> , 2008, 53, 169-176.	4.3	18
576	Ecophysiology of <i>Limonium axillare</i> and <i>Avicennia marina</i> from the coastline of Arabian Gulf-Qatar. <i>Journal of Coastal Conservation</i> , 2008, 12, 35-42.	0.7	29
577	Improving salinity tolerance in crop plants: a biotechnological view. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2008, 44, 373-383.	0.9	177
578	Verification of the resistance of a LEA gene from <i>Tamarix</i> expression in <i>Saccharomyces cerevisiae</i> to abiotic stresses. <i>Journal of Forestry Research</i> , 2008, 19, 58-62.	1.7	20
579	Gas exchange in the salt marsh species <i>Atriplex portulacoides</i> L. and <i>Limonium monopetalum</i> L. in Southern Portugal. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 91-97.	1.0	39
580	Effects of Na ₂ CO ₃ and NaCl stresses on the antioxidant enzymes of chloroplasts and chlorophyll fluorescence parameters of leaves of <i>Puccinellia tenuiflora</i> (Turcz.) scribn.et Merr.. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 143-150.	1.0	27
581	Interactive effects of triadimefon and salt stress on antioxidative status and ajmalicine accumulation in <i>Catharanthus roseus</i> . <i>Acta Physiologiae Plantarum</i> , 2008, 30, 287-292.	1.0	58
582	Changes in water relations, photosynthetic activity and proline accumulation in one-year-old olive trees (<i>Olea europaea</i> L. cv. Chemlali) in response to NaCl salinity. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 553-560.	1.0	36
583	cDNA-AFLP Analysis Reveals Differential Gene Expression in Response to Salt Stress in Foxtail Millet (<i>Setaria italica</i> L.). <i>Molecular Biotechnology</i> , 2008, 40, 241-251.	1.3	72
584	Physiological characterization and stress-induced metabolic responses of <i>Dunaliella salina</i> isolated from salt pan. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1093-1101.	1.4	81
585	Glucose-6-phosphate dehydrogenase plays a central role in modulating reduced glutathione levels in reed callus under salt stress. <i>Planta</i> , 2008, 227, 611-623.	1.6	57
586	Proteomic analysis of the response to high-salinity stress in <i>Physcomitrella patens</i> . <i>Planta</i> , 2008, 228, 167-177.	1.6	135
587	Mineral uptake and biochemical changes in <i>Helianthus annuus</i> under treatment with different sodium salts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 58-63.	2.5	26

#	ARTICLE	IF	CITATIONS
588	Modelling Na and Cl concentrations in the recycling nutrient solution of a closed-cycle pepper cultivation. <i>Biosystems Engineering</i> , 2008, 99, 282-291.	1.9	31
589	Quality and nutritional value of strawberry fruit under long term salt stress. <i>Food Chemistry</i> , 2008, 107, 1413-1420.	4.2	130
590	Mechanisms of Salinity Tolerance. <i>Annual Review of Plant Biology</i> , 2008, 59, 651-681.	8.6	9,628
591	Stress Responsive Zinc Finger Protein Gene of <i>Populus euphratica</i> in Tobacco Enhances Salt Tolerance. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 56-61.	4.1	14
592	Effect of Salicylic Acid on Salinity-induced Changes in <i>Brassica juncea</i> . <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1096-1102.	4.1	103
593	Comparison Analysis of Transcripts from the Halophyte <i>Thellungiella halophila</i> . <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1327-1335.	4.1	50
594	Salt Tolerance in Soybean. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1196-1212.	4.1	227
595	Salinity tolerance in halophytes*. <i>New Phytologist</i> , 2008, 179, 945-963.	3.5	2,141
596	VOC emissions of Grey poplar leaves as affected by salt stress and different N sources. <i>Plant Biology</i> , 2008, 10, 86-96.	1.8	52
597	The SUI homologous translation initiation factor <i>elF1</i> is involved in regulation of ion homeostasis in rice. <i>Plant Biology</i> , 2008, 10, 298-309.	1.8	25
598	Effects of Salt Stress on Some Physiological and Photosynthetic Parameters at Three Different Temperatures in Six Soya Bean (<i>Glycine max</i> L. Merr.) Cultivars. <i>Journal of Agronomy and Crop Science</i> , 2008, 194, 34-46.	1.7	36
599	Exploring the Role of Calcium to Improve Chilling Tolerance in Hybrid Maize. <i>Journal of Agronomy and Crop Science</i> , 2008, 194, 350-359.	1.7	42
600	Physiological Role of Exogenously Applied Glycinebetaine to Improve Drought Tolerance in Fine Grain Aromatic Rice (<i>Oryza sativa</i> L.). <i>Journal of Agronomy and Crop Science</i> , 2008, 194, 325-333.	1.7	222
601	Activation of Antioxidant System by KCl Improves the Chilling Tolerance in Hybrid Maize. <i>Journal of Agronomy and Crop Science</i> , 2008, 194, 438-448.	1.7	22
602	Distinctive transcriptome responses to adverse environmental conditions in <i>Zea mays</i> L.. <i>Plant Biotechnology Journal</i> , 2008, 6, 782-798.	4.1	67
603	Potassium transport and plant salt tolerance. <i>Physiologia Plantarum</i> , 2008, 133, 651-669.	2.6	1,038
604	Boric acid and salinity effects on maize roots. Response of aquaporins ZmPIP1 and ZmPIP2, and plasma membrane H ⁺ ATPase, in relation to water and nutrient uptake. <i>Physiologia Plantarum</i> , 2008, 132, 479-490.	2.6	46
605	Functional genomics based identification of genes that regulate <i>Arabidopsis</i> responses to multiple abiotic stresses. <i>Plant, Cell and Environment</i> , 2008, 31, 697-714.	2.8	114

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606	Quercitol and osmotic adaptation of field-grown <i>Eucalyptus</i> under seasonal drought stress. <i>Plant, Cell and Environment</i> , 2008, 31, 915-924.	2.8	59
607	Na ⁺ /myo-inositol symporters and Na ⁺ /H ⁺ antiport in <i>Mesembryanthemum crystallinum</i> . <i>Plant Journal</i> , 2000, 24, 511-522.	2.8	8
608	Transcriptomic identification of candidate genes involved in sunflower responses to chilling and salt stresses based on cDNA microarray analysis. <i>BMC Plant Biology</i> , 2008, 8, 11.	1.6	69
609	Synthesis of organic osmolytes and salt tolerance mechanisms in <i>Paspalum vaginatum</i> . <i>Environmental and Experimental Botany</i> , 2008, 63, 19-27.	2.0	121
610	Leaf gas exchange, chloroplastic pigments and dry matter accumulation in castor bean (<i>Ricinus</i>). <i>Trends in Plant Science</i> , 2008, 13, 385-392.	2.5	108
611	Triadimefon induced salt stress tolerance in <i>Withania somnifera</i> and its relationship to antioxidant defense system. <i>South African Journal of Botany</i> , 2008, 74, 126-132.	1.2	75
612	Soil applied propiconazole alleviates the impact of salinity on <i>Catharanthus roseus</i> by improving antioxidant status. <i>Pesticide Biochemistry and Physiology</i> , 2008, 90, 135-139.	1.6	46
613	Impact of gamma radiation and salinity on growth and K ⁺ /Na ⁺ balance in two populations of <i>Medicago sativa</i> (L.) cultivar Gabas. <i>Progress in Natural Science: Materials International</i> , 2008, 18, 1095-1105.	1.8	15
614	Analysis of the <i>Arabidopsis</i> Histidine Kinase ATHK1 Reveals a Connection between Vegetative Osmotic Stress Sensing and Seed Maturation. <i>Plant Cell</i> , 2008, 20, 1101-1117.	3.1	222
615	Expression of a Vacuolar Na ⁺ /H ⁺ Antiporter Gene of Alfalfa Enhances Salinity Tolerance in Transgenic <i>Arabidopsis</i> . <i>Acta Agronomica Sinica</i> , 2008, 34, 557-564.	0.3	14
616	Photoinhibition and Photoprotection under Nutrient Deficiencies, Drought and Salinity. <i>Advances in Photosynthesis and Respiration</i> , 2008, , 65-85.	1.0	44
617	<i>Arabidopsis</i> Transcriptome Analysis under Drought, Cold, High-Salinity and ABA Treatment Conditions using a Tiling Array. <i>Plant and Cell Physiology</i> , 2008, 49, 1135-1149.	1.5	475
618	Aluminum tolerance in maize is correlated with increased levels of mineral nutrients, carbohydrates and proline, and decreased levels of lipid peroxidation and Al accumulation. <i>Journal of Plant Physiology</i> , 2008, 165, 385-396.	1.6	164
619	Nitric oxide protects against polyethylene glycol-induced oxidative damage in two ecotypes of reed suspension cultures. <i>Journal of Plant Physiology</i> , 2008, 165, 182-191.	1.6	96
620	Comparative salt tolerance analysis between <i>Arabidopsis thaliana</i> and <i>Thellungiella halophila</i> , with special emphasis on K ⁺ /Na ⁺ selectivity and proline accumulation. <i>Journal of Plant Physiology</i> , 2008, 165, 588-599.	1.6	134
621	Cloning and characterization of a salt stress-inducible small GTPase gene from the model grass species <i>Lolium temulentum</i> . <i>Journal of Plant Physiology</i> , 2008, 165, 651-661.	1.6	30
622	Proline and glycinebetaine enhance antioxidant defense and methylglyoxal detoxification systems and reduce NaCl-induced damage in cultured tobacco cells. <i>Journal of Plant Physiology</i> , 2008, 165, 813-824.	1.6	244
623	Na ⁺ accumulation in root symplast of sunflower plants exposed to moderate salinity is transpiration-dependent. <i>Journal of Plant Physiology</i> , 2008, 165, 1248-1254.	1.6	9

#	ARTICLE	IF	CITATIONS
624	Modification of vacuolar proton pumps in cucumber roots under salt stress. <i>Journal of Plant Physiology</i> , 2008, 165, 1830-1837.	1.6	18
625	Salinity tolerance in <i>Schinopsis quebracho colorado</i> : Seed germination, growth, ion relations and metabolic responses. <i>Journal of Arid Environments</i> , 2008, 72, 1785-1792.	1.2	54
626	Expression profiling of the genes induced by Na ₂ CO ₃ and NaCl stresses in leaves and roots of <i>Leymus chinensis</i> . <i>Plant Science</i> , 2008, 175, 784-792.	1.7	53
627	Breeding for abiotic stresses for sustainable agriculture. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 703-716.	1.8	232
628	Morphological and physiological responses of the halophyte, <i>Odyssea paucinervis</i> (Staph) (Poaceae), to salinity. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2008, 203, 437-447.	0.6	45
629	Differential transcript regulation in <i>Arabidopsis thaliana</i> and the halotolerant <i>Lobularia maritima</i> indicates genes with potential function in plant salt adaptation. <i>Gene</i> , 2008, 423, 142-148.	1.0	38
631	Effects of NaCl and Ca ²⁺ on Membrane Potential of Epidermal Cells of Maize Roots. <i>Agricultural Sciences in China</i> , 2008, 7, 291-296.	0.6	14
632	Nitrogen metabolism in durum wheat under salinity: accumulation of proline and glycine betaine. <i>Functional Plant Biology</i> , 2008, 35, 412.	1.1	146
633	Some Prospective Strategies for Improving Crop Salt Tolerance. <i>Advances in Agronomy</i> , 2008, , 45-110.	2.4	337
634	Salinity and its effects on the functional biology of legumes. <i>Acta Physiologiae Plantarum</i> , 2008, 30, 595-618.	1.0	284
635	Genetic Engineering for Salinity Stress Tolerance. <i>Advances in Plant Biochemistry and Molecular Biology</i> , 2008, , 347-384.	0.5	13
636	Response of Plant Growth to Different Salinization in Root Zone. <i>Journal of Plant Nutrition</i> , 2008, 31, 411-425.	0.9	3
637	Cotton metallothionein GhMT3a, a reactive oxygen species scavenger, increased tolerance against abiotic stress in transgenic tobacco and yeast. <i>Journal of Experimental Botany</i> , 2008, 60, 339-349.	2.4	191
638	Attached Bacterial Populations Shared by Four Species of Aquatic Angiosperms. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5948-5957.	1.4	120
639	Functional Identification of <i>Arabidopsis</i> Stress Regulatory Genes Using the Controlled cDNA Overexpression System. <i>Plant Physiology</i> , 2008, 147, 528-542.	2.3	117
640	Evaluation of the Possible Participation of Drought-induced Genes in the Enhanced Tolerance of Arbuscular Mycorrhizal Plants to Water Deficit. , 2008, , 185-205.		16
641	Complex Signaling Network in Regulation of Adenosine 5â€²-Phosphosulfate Reductase by Salt Stress in <i>Arabidopsis</i> Roots. <i>Plant Physiology</i> , 2008, 146, 1408-1420.	2.3	125
642	Involvement of glucose-6-phosphate dehydrogenase in reduced glutathione maintenance and hydrogen peroxide signal under salt stress. <i>Plant Signaling and Behavior</i> , 2008, 3, 394-395.	1.2	28

#	ARTICLE	IF	CITATIONS
643	Responses and tolerance to salt stress in bryophytes. <i>Plant Signaling and Behavior</i> , 2008, 3, 516-518.	1.2	21
644	Overexpression of a New Rice Vacuolar Antiporter Regulating Protein OsARP Improves Salt Tolerance in Tobacco. <i>Plant and Cell Physiology</i> , 2008, 49, 880-890.	1.5	33
645	Differential salt deposition and excretion on leaves of <i>Avicennia germinans</i> mangroves. <i>Caribbean Journal of Science</i> , 2008, 44, 267-271.	0.2	9
646	Protection mechanisms in the resurrection plant <i>Xerophyta viscosa</i> : cloning, expression, characterisation and role of XvINO1, a gene coding for a myo-inositol 1-phosphate synthase. <i>Functional Plant Biology</i> , 2008, 35, 26.	1.1	12
647	Chapter 2 Lipid Environmental Modulation of Activity of Photosynthetic Membrane Proteins. <i>Behavior Research Methods</i> , 2008, 8, 27-57.	2.3	0
648	Tobacco OPBP1 Enhances Salt Tolerance and Disease Resistance of Transgenic Rice. <i>International Journal of Molecular Sciences</i> , 2008, 9, 2601-2613.	1.8	48
649	Responses of Crops to Soil Salinization in South Baja California, Mexico. <i>Journal of Plant Nutrition</i> , 2008, 31, 1800-1810.	0.9	2
650	Responses to Changes in Ca ²⁺ Supply in Two Mediterranean Evergreens, <i>Phillyrea latifolia</i> and <i>Pistacia lentiscus</i> , During Salinity Stress and Subsequent Relief. <i>Annals of Botany</i> , 2008, 102, 609-622.	1.4	24
651	Signal transduction pathways and haem oxygenase induction in soybean leaves subjected to salt stress. <i>Redox Report</i> , 2008, 13, 255-262.	1.4	26
652	Mimicking the Plant Cell Interior under Water Stress by Macromolecular Crowding: Disordered Dehydrin Proteins Are Highly Resistant to Structural Collapse. <i>Plant Physiology</i> , 2008, 148, 1925-1937.	2.3	110
653	The Arabidopsis Kinase-Associated Protein Phosphatase Regulates Adaptation to Na ⁺ Stress. <i>Plant Physiology</i> , 2008, 146, 612-622.	2.3	30
654	Wound healing in plants. <i>Plant Signaling and Behavior</i> , 2008, 3, 204-206.	1.2	34
655	The Molecular Networks of Abiotic Stress Signaling. , 0, , 388-416.		2
657	Stomatal movements and long-distance signaling in plants. <i>Plant Signaling and Behavior</i> , 2008, 3, 772-777.	1.2	82
658	Proteomics Approach to Identify Dehydration Responsive Nuclear Proteins from Chickpea (<i>Cicer</i>) Tj ETQq0 0 0 rgBT ₂ /Overlock 10 Tf 50 1	2.5	166
659	Effects of Boron and Salinity on Red Raspberry in Vitro. <i>International Journal of Fruit Science</i> , 2008, 8, 216-225.	1.2	4
660	Compatible solutes mitigate damaging effects of salt stress by reducing the impact of stress-induced reactive oxygen species. <i>Plant Signaling and Behavior</i> , 2008, 3, 207-208.	1.2	25
661	Selection of salt tolerant plants of <i>Nicotiana Tabacum</i> L. through in vitro and its biochemical characterization. <i>Acta Biologica Hungarica</i> , 2008, 59, 77-92.	0.7	12

#	ARTICLE	IF	CITATIONS
663	Growth and yield of corn irrigated with saline water. <i>Scientia Agricola</i> , 2008, 65, 574-580.	0.6	28
664	Effects of long-term salicylic acid pre-treatment on tomato (<i>Lycopersicon esculentum</i> Mill. L.) salt stress tolerance: Changes in glutathione S-transferase activities and anthocyanin contents. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2008, 56, 129-138.	0.2	20
665	Calcium induces salinity tolerance in pistachio rootstocks. <i>Fruits</i> , 2008, 63, 285-296.	0.3	20
666	Improvement of <i>Torenia fournieri</i> salinity tolerance by expression of <i>Arabidopsis AtNHX5</i> . <i>Functional Plant Biology</i> , 2008, 35, 185.	1.1	16
667	Tolerancia a la salinidad durante la germinaci3n de semillas provenientes de poblaciones naturalizadas de agropiro alargado (<i>Thinopyrum ponticum</i>). <i>Ciencia E Investigacion Agraria</i> , 2008, 35, .	0.2	7
668	Salt stress and phyto-biochemical responses of plants - a review. <i>Plant, Soil and Environment</i> , 2008, 54, 89-99.	1.0	424
669	Growth, water status and nutrient accumulation of seedlings of <i>Holoptelea integrifolia</i> (Roxb.) Planch in response to soil salinity. <i>Plant, Soil and Environment</i> , 2008, 54, 367-373.	1.0	17
670	Kinetics of the antioxidant response to salinity in the halophyte <i>Limonium bicolour</i> . <i>Plant, Soil and Environment</i> , 2008, 54, 493-497.	1.0	33
671	Cellular traits for sodium tolerance in rice (<i>Oryza sativa</i> L.). <i>Plant Biotechnology</i> , 2008, 25, 247-255.	0.5	29
672	A Central Role of Abscisic Acid in Stress-Regulated Carbohydrate Metabolism. <i>PLoS ONE</i> , 2008, 3, e3935.	1.1	165
673	Ozone Damages to Mediterranean Crops: Physiological Responses. <i>Italian Journal of Agronomy</i> , 2008, 3, 13.	0.4	10
674	Anatomia e ultra-estrutura foliar de <i>Cyperus maritimus</i> Poir. (Cyperaceae): estrat3cias adaptativas ao ambiente de dunas litor4neas. <i>Acta Botanica Braslica</i> , 2008, 22, 493-503.	0.8	8
676	Cytological changes in Turkish durum and bread wheat genotypes in response to salt stress. <i>Acta Biologica Hungarica</i> , 2009, 60, 221-232.	0.7	4
677	Importance of Ionic and Osmotic Components of Salt Stress on the Germination of Four Quinoa (<i>Chenopodium quinoa</i> Willd.) Selections. <i>Chilean Journal of Agricultural Research</i> , 2009, 69, .	0.4	20
678	Soybean GmPHD-Type Transcription Regulators Improve Stress Tolerance in Transgenic <i>Arabidopsis</i> Plants. <i>PLoS ONE</i> , 2009, 4, e7209.	1.1	93
679	Nitrate removal mediated by soil microorganism, <i>Enterobacter</i> sp. GG0461. <i>Journal of General and Applied Microbiology</i> , 2009, 55, 75-79.	0.4	10
680	Soluble sugars. <i>Plant Signaling and Behavior</i> , 2009, 4, 388-393.	1.2	677
681	Elevated CO2 concentration alleviates salinity stress in tomato plant. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2009, 59, 87-96.	0.3	8

#	ARTICLE	IF	CITATIONS
682	Implications of Calcium Nutrition on the Response of <i>Salvadora oleoides</i> (Salvadoraceae) to Soil Salinity. <i>Arid Land Research and Management</i> , 2009, 23, 311-326.	0.6	11
683	Diversity in Expression Patterns and Functional Properties in the Rice HKT Transporter Family. <i>Plant Physiology</i> , 2009, 150, 1955-1971.	2.3	175
684	Salt stress-induced cell death in the unicellular green alga <i>Micrasterias denticulata</i> . <i>Journal of Experimental Botany</i> , 2009, 60, 939-954.	2.4	223
685	Prefoldins 3 and 5 Play an Essential Role in Arabidopsis Tolerance to Salt Stress. <i>Molecular Plant</i> , 2009, 2, 526-534.	3.9	70
686	Loss of Halophytism by Interference with SOS1 Expression. <i>Plant Physiology</i> , 2009, 151, 210-222.	2.3	254
687	Phospholipid Signaling Responses in Salt-Stressed Rice Leaves. <i>Plant and Cell Physiology</i> , 2009, 50, 986-997.	1.5	140
688	Changes in soluble amino-N, soluble proteins and free amino acids in leaves and roots of salt-stressed maize genotypes. <i>Journal of Plant Interactions</i> , 2009, 4, 137-144.	1.0	47
689	Cloning of a high-affinity K ⁺ transporter gene <i>PuHKT2;1</i> from <i>Puccinellia tenuiflora</i> and its functional comparison with <i>OsHKT2;1</i> from rice in yeast and Arabidopsis. <i>Journal of Experimental Botany</i> , 2009, 60, 3491-3502.	2.4	87
690	Morphological changes and antioxidant defence systems in soybean genotypes as affected by salt stress. <i>Journal of Plant Interactions</i> , 2009, 4, 295-306.	1.0	12
691	Contrasting Responses of Photosynthesis to Salt Stress in the Glycophyte Arabidopsis and the Halophyte <i>Thellungiella</i> : Role of the Plastid Terminal Oxidase as an Alternative Electron Sink. <i>Plant Physiology</i> , 2009, 149, 1154-1165.	2.3	401
692	<i>Salty dog</i> , an SLC5 symporter, modulates <i>Drosophila</i> response to salt stress. <i>Physiological Genomics</i> , 2009, 37, 1-11.	1.0	67
693	Growth, Mineral Composition, and Biochemical Changes of Broad Bean as Affected by Sodium Chloride and Zinc Levels and Sources. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 3046-3060.	0.6	9
694	Heme Oxygenase Contributes to Alleviate Salinity Damage in <i>Glycine max</i> L. Leaves. <i>International Journal of Cell Biology</i> , 2009, 2009, 1-9.	1.0	17
695	Dynamic Aspects of Ion Accumulation by Vesicle Traffic Under Salt Stress in Arabidopsis. <i>Plant and Cell Physiology</i> , 2009, 50, 2023-2033.	1.5	130
696	Calcium mediates root K ⁺ /Na ⁺ homeostasis in poplar species differing in salt tolerance. <i>Tree Physiology</i> , 2009, 29, 1175-1186.	1.4	182
697	Comparative Profiles of Gene Expression in Leaves and Roots of Maize Seedlings under Conditions of Salt Stress and the Removal of Salt Stress. <i>Plant and Cell Physiology</i> , 2009, 50, 889-903.	1.5	50
698	NaCl-Induced Alternations of Cellular and Tissue Ion Fluxes in Roots of Salt-Resistant and Salt-Sensitive Poplar Species. <i>Plant Physiology</i> , 2009, 149, 1141-1153.	2.3	334
699	<i>Arabidopsis</i> Synaptotagmin 1 Is Required for the Maintenance of Plasma Membrane Integrity and Cell Viability. <i>Plant Cell</i> , 2009, 20, 3374-3388.	3.1	206

#	ARTICLE	IF	CITATIONS
700	Potassium nutrition, sodium toxicity, and calcium signaling: connections through the CBL-CIPK network. <i>Current Opinion in Plant Biology</i> , 2009, 12, 339-346.	3.5	187
701	Isolation, identification and expression analysis of salt-induced genes in <i>Suaeda maritima</i> , a natural halophyte, using PCR-based suppression subtractive hybridization. <i>BMC Plant Biology</i> , 2009, 9, 69.	1.6	70
702	Role of genetic factors and environmental conditions in recombinant protein production for molecular farming. <i>Biotechnology Advances</i> , 2009, 27, 914-923.	6.0	40
703	On the mechanism of salt tolerance in olive (<i>Olea europaea</i> L.) under low- or high-Ca ²⁺ supply. <i>Environmental and Experimental Botany</i> , 2009, 65, 72-81.	2.0	52
704	Effects of fungus inoculation and salt stress on physiology and biochemistry of in vitro grapevines: Emphasis on sugar composition changes by FT-IR analyses. <i>Environmental and Experimental Botany</i> , 2009, 65, 1-10.	2.0	32
705	Impacts of NaCl stress on plant growth and mineral nutrient assimilation in two cultivars of strawberry. <i>Environmental and Experimental Botany</i> , 2009, 65, 170-176.	2.0	104
706	Is osmotic potential a more appropriate property than electrical conductivity for evaluating whole-plant response to salinity?. <i>Environmental and Experimental Botany</i> , 2009, 65, 232-237.	2.0	55
707	Interactive effects of NaCl salinity and elevated atmospheric CO ₂ concentration on growth, photosynthesis, water relations and chemical composition of the potential cash crop halophyte <i>Aster tripolium</i> L. <i>Environmental and Experimental Botany</i> , 2009, 65, 220-231.	2.0	131
708	Interaction effects of root-zone salinity and solar irradiance on the physiology and biochemistry of <i>Olea europaea</i> . <i>Environmental and Experimental Botany</i> , 2009, 65, 210-219.	2.0	50
709	Leaf morphological plasticity and stomatal conductance in three <i>Populus alba</i> L. genotypes subjected to salt stress. <i>Environmental and Experimental Botany</i> , 2009, 66, 381-388.	2.0	74
710	Changes in antioxidant enzymes and some key metabolites in some genetically diverse cultivars of radish (<i>Raphanus sativus</i> L.). <i>Environmental and Experimental Botany</i> , 2009, 67, 395-402.	2.0	97
711	Osmotic responses of <i>Dunaliella</i> to the changes of salinity. <i>Journal of Cellular Physiology</i> , 2009, 219, 251-258.	2.0	167
712	Acceleration of germination and early growth of wheat and bean seedlings grown under various magnetic field and osmotic conditions. <i>Bioelectromagnetics</i> , 2010, 31, 120-129.	0.9	71
713	Functional roles of the pepper antimicrobial protein gene, CaAMP1, in abscisic acid signaling, and salt and drought tolerance in <i>Arabidopsis</i> . <i>Planta</i> , 2009, 229, 383-391.	1.6	35
714	Insight into the salt tolerance factors of a wild halophytic rice, <i>Porteresia coarctata</i> : a physiological and proteomic approach. <i>Planta</i> , 2009, 229, 911-929.	1.6	166
715	The plasma membrane H ⁺ -ATPase is related to the development of salicylic acid-induced thermotolerance in pea leaves. <i>Planta</i> , 2009, 229, 1087-1098.	1.6	26
716	The role of root apoplastic transport barriers in salt tolerance of rice (<i>Oryza sativa</i> L.). <i>Planta</i> , 2009, 230, 119-134.	1.6	200
717	Functional characterization of the <i>Arabidopsis</i> bHLH92 transcription factor in abiotic stress. <i>Molecular Genetics and Genomics</i> , 2009, 282, 503-516.	1.0	164

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718	Microspore embryogenesis: assignment of genes to embryo formation and green vs. albino plant production. <i>Functional and Integrative Genomics</i> , 2009, 9, 311-323.	1.4	37
719	Functional genomics using RIKEN <i>Arabidopsis thaliana</i> full-length cDNAs. <i>Journal of Plant Research</i> , 2009, 122, 355-366.	1.2	22
720	A nuclear-localized HSP70 confers thermoprotective activity and drought-stress tolerance on plants. <i>Biotechnology Letters</i> , 2009, 31, 597-606.	1.1	101
721	Contractile roots are the most sensitive organ in <i>Crocus sativus</i> to salt stress. <i>Biologia Plantarum</i> , 2009, 53, 523-529.	1.9	21
722	Effects of salt stress on photosynthesis, PSII photochemistry and thermal energy dissipation in leaves of two corn (<i>Zea mays</i> L.) varieties. <i>Photosynthetica</i> , 2009, 47, 517-526.	0.9	62
723	Effect of salinity on growth, ion accumulation and the roles of ions in osmotic adjustment of two populations of <i>Suaeda salsa</i> . <i>Plant and Soil</i> , 2009, 314, 133-141.	1.8	100
724	Improving NaCl resistance of red-osier dogwood: role of CaCl ₂ and CaSO ₄ . <i>Plant and Soil</i> , 2009, 315, 123-133.	1.8	9
725	Toxic effects induced by salt stress on selected freshwater prokaryotic and eukaryotic microalgal species. <i>Ecotoxicology</i> , 2009, 18, 174-179.	1.1	8
726	Salt-induced changes on H ⁺ -ATPase activity, sterol and phospholipid content and lipid peroxidation of root plasma membrane from dwarf-cashew (<i>Anacardium occidentale</i> L.) seedlings. <i>Plant Growth Regulation</i> , 2009, 59, 125-135.	1.8	36
727	Aldehyde reductase expression contributes in sorbitol accumulation and 4-hydroxynon-2-enal detoxification in two foxtail millet (<i>Setaria italica</i> L.) cultivars with different salt stress tolerance. <i>Plant Growth Regulation</i> , 2009, 59, 137-143.	1.8	12
728	Effects of different NaCl concentration on the antioxidant enzymes in oilseed rape (<i>Brassica napus</i> L.) seedlings. <i>Plant Growth Regulation</i> , 2009, 59, 273-278.	1.8	21
729	Bulk alginate encapsulation of <i>Hibiscus moscheutos</i> nodal segments. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 97, 345-351.	1.2	14
730	Effect of salt stress on growth and osmotic regulation in <i>Thellungiella</i> and <i>Arabidopsis</i> callus. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 98, 97-103.	1.2	44
731	Short-term responses to salinity of seabuckthorn (<i>Hippophae rhamnoides</i> L.) seedlings in the extremely cold and saline Qinghai region of China. <i>Forestry Studies in China</i> , 2009, 11, 231-237.	0.4	5
732	Physiological and molecular analyses of seedlings of two Tunisian durum wheat (<i>Triticum turgidum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <i>Plantarum</i> , 2009, 31, 145-154.	1.0	41
733	Proline and betaine provide protection to antioxidant and methylglyoxal detoxification systems during cold stress in <i>Camellia sinensis</i> (L.) O. Kuntze. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 261-269.	1.0	89
734	Osmoregulation and osmoprotection in the leaf cells of two olive cultivars subjected to severe water deficit. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 711-721.	1.0	62
735	Vegetative salt tolerance of barnyard grass mutants selected for salt tolerant germination. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 815-824.	1.0	15

#	ARTICLE	IF	CITATIONS
736	Salicylic acid-induced salinity tolerance in corn grown under NaCl stress. <i>Acta Physiologiae Plantarum</i> , 2009, 31, 1185-1190.	1.0	60
737	Nitric Oxide Signalling In Plants. <i>Botanical Review, The</i> , 2009, 75, 203-229.	1.7	80
738	An in vitro radiation induced mutagenesis-selection system for salinity tolerance in sugarcane. <i>Sugar Tech</i> , 2009, 11, 246-251.	0.9	25
739	Salt Tolerance is Conferred in Arabidopsis by Overexpression of the Vacuolar Na (+)/H (+) Antiporter Gene SsNHX2, an Alternative Splicing Variant of SsNHX1, from Suaeda salsa. <i>Journal of Plant Biology</i> , 2009, 52, 147-153.	0.9	15
740	Screening of Cyanobacteria for Phycobiliproteins and Effect of Different Environmental Stress on Its Yield. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 509-515.	1.3	95
741	Quantifying the three main components of salinity tolerance in cereals. <i>Plant, Cell and Environment</i> , 2009, 32, 237-249.	2.8	385
742	The plasma membrane Na ⁺ /H ⁺ antiporter SOS1 is essential for salt tolerance in tomato and affects the partitioning of Na ⁺ between plant organs. <i>Plant, Cell and Environment</i> , 2009, 32, 904-916.	2.8	313
743	Proteomics reveals the overlapping roles of hydrogen peroxide and nitric oxide in the acclimation of citrus plants to salinity. <i>Plant Journal</i> , 2009, 60, 795-804.	2.8	341
744	Improving the Drought Tolerance in Rice (<i>Oryza sativa</i> L.) by Exogenous Application of Salicylic Acid. <i>Journal of Agronomy and Crop Science</i> , 2009, 195, 237-246.	1.7	172
745	Exogenously Applied Nitric Oxide Enhances the Drought Tolerance in Fine Grain Aromatic Rice (<i>Oryza sativa</i> L.). <i>Journal of Agronomy and Crop Science</i> , 2009, 195, 254-261.	1.7	122
746	Improving Water Relations and Gas Exchange with Brassinosteroids in Rice under Drought Stress. <i>Journal of Agronomy and Crop Science</i> , 2009, 195, 262-269.	1.7	145
747	Potato Responds to Salt Stress by Increased Activity of Antioxidant Enzymes. <i>Journal of Integrative Plant Biology</i> , 2009, 51, 1095-1103.	4.1	81
748	Salinity tolerance of <i>Populus</i> . <i>Plant Biology</i> , 2010, 12, 317-333.	1.8	206
749	A Comparison of Screening Criteria for Salt Tolerance in Wheat under Field and Controlled Environmental Conditions. <i>Journal of Agronomy and Crop Science</i> , 2009, 195, 356-367.	1.7	58
750	The transgene pyramiding tobacco with betaine synthesis and heterologous expression of <i>AtNHX1</i> is more tolerant to salt stress than either of the tobacco lines with betaine synthesis or <i>AtNHX1</i> . <i>Physiologia Plantarum</i> , 2009, 135, 281-295.	2.6	30
751	Molecular characterization of putative vacuolar NHX-type Na ⁺ /H ⁺ exchanger genes from the salt-resistant tree <i>Populus euphratica</i> . <i>Physiologia Plantarum</i> , 2009, 137, 166-174.	2.6	79
752	Manipulation of alternative oxidase can influence salt tolerance in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2009, 137, 459-472.	2.6	104
753	<i>NITZSCHIA OVALIS</i> (BACILLARIOPHYCEAE) MONO LAKE STRAIN ACCUMULATES 1,4/2,5 CYCLOHEXANETETROL IN RESPONSE TO INCREASED SALINITY ¹ . <i>Journal of Phycology</i> , 2009, 45, 395-403.	1.0	14

#	ARTICLE	IF	CITATIONS
754	Invasion, Disturbance, and Competition: Modeling the Fate of Coastal Plant Populations. <i>Conservation Biology</i> , 2009, 23, 164-173.	2.4	39
755	Changes in plasma membrane lipids, aquaporins and proton pump of broccoli roots, as an adaptation mechanism to salinity. <i>Phytochemistry</i> , 2009, 70, 492-500.	1.4	182
756	Plant drought stress: effects, mechanisms and management. <i>Agronomy for Sustainable Development</i> , 2009, 29, 185-212.	2.2	2,511
757	Plant Drought Stress: Effects, Mechanisms and Management. , 2009, , 153-188.		552
758	Strategies for Crop Improvement Against Salinity and Drought Stress: An Overview. <i>Tasks for Vegetation Science</i> , 2009, , 1-16.	0.6	44
759	Osmolyte Regulation in Abiotic Stress. , 2009, , 349-370.		14
760	Transgenic plants tolerant to abiotic stresses. <i>Cytology and Genetics</i> , 2009, 43, 132-149.	0.2	19
761	Contributions of inorganic ions, soluble carbohydrates, and multiatomic alcohols to water homeostasis in <i>Artemisia lerchiana</i> and <i>A. pauciflora</i> . <i>Russian Journal of Plant Physiology</i> , 2009, 56, 200-210.	0.5	8
762	The influence of abiotic stresses on expression of zinc finger protein gene in rice. <i>Russian Journal of Plant Physiology</i> , 2009, 56, 695-701.	0.5	8
763	Increased content of very-long-chain fatty acids in the lipids of halophyte vegetative organs. <i>Russian Journal of Plant Physiology</i> , 2009, 56, 787-794.	0.5	20
764	Rhizobacteria containing ACC-deaminase confer salt tolerance in maize grown on salt-affected fields. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1302-1309.	0.8	178
765	The Impact of Water Deficiency on Leaf Cuticle Lipids of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2009, 151, 1918-1929.	2.3	469
766	A Proteomic Study of the Response to Salinity and Drought Stress in an Introgression Strain of Bread Wheat. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2676-2686.	2.5	241
767	Search of environmental descriptors to explain the variability of the bacterial diversity from maize rhizospheres across a regional scale. <i>European Journal of Soil Biology</i> , 2009, 45, 383-393.	1.4	35
768	The <i>Arabidopsis</i> basic leucine zipper transcription factor AtbZIP24 regulates complex transcriptional networks involved in abiotic stress resistance. <i>Gene</i> , 2009, 436, 45-55.	1.0	171
769	Plasma membrane repair in plants. <i>Trends in Plant Science</i> , 2009, 14, 645-652.	4.3	65
770	Comparison of the responses to NaCl stress of two pea cultivars using split-root system. <i>Scientia Horticulturae</i> , 2009, 123, 164-169.	1.7	8
771	Structural analysis of 83-kb genomic DNA from <i>Thellungiella halophila</i> : Sequence features and microcolinearity between salt cress and <i>Arabidopsis thaliana</i> . <i>Genomics</i> , 2009, 94, 324-332.	1.3	10

#	ARTICLE	IF	CITATIONS
772	Cloning and molecular analyses of the <i>Arabidopsis thaliana</i> chloride channel gene family. <i>Plant Science</i> , 2009, 176, 650-661.	1.7	70
773	Light interacts with salt stress in regulating superoxide dismutase gene expression in <i>Arabidopsis</i> . <i>Plant Science</i> , 2009, 177, 161-167.	1.7	14
774	Carbon monoxide mitigates salt-induced inhibition of root growth and suppresses programmed cell death in wheat primary roots by inhibiting superoxide anion overproduction. <i>Plant Science</i> , 2009, 177, 331-340.	1.7	52
775	Analysis of drought responsive proteins in wheat (<i>Triticum durum</i>) by 2D-PAGE and MALDI-TOF mass spectrometry. <i>Plant Science</i> , 2009, 177, 570-576.	1.7	125
776	Proline and glycinebetaine induce antioxidant defense gene expression and suppress cell death in cultured tobacco cells under salt stress. <i>Journal of Plant Physiology</i> , 2009, 166, 146-156.	1.6	226
777	Over-expression of a <i>Zea mays</i> L. protein phosphatase 2C gene (<i>ZmPP2C</i>) in <i>Arabidopsis thaliana</i> decreases tolerance to salt and drought. <i>Journal of Plant Physiology</i> , 2009, 166, 531-542.	1.6	86
778	Physiological responses among <i>Brassica</i> species under salinity stress show strong correlation with transcript abundance for SOS pathway-related genes. <i>Journal of Plant Physiology</i> , 2009, 166, 507-520.	1.6	120
779	Molecular cloning and characterization of novel cystatin gene in leaves <i>Cakile maritima</i> halophyte. <i>Journal of Plant Physiology</i> , 2009, 166, 739-749.	1.6	22
780	Transcript profiling of the salt-tolerant <i>Festuca rubra</i> ssp. <i>litoralis</i> reveals a regulatory network controlling salt acclimatization. <i>Journal of Plant Physiology</i> , 2009, 166, 697-711.	1.6	39
781	Leaf expansion in grasses under salt stress. <i>Journal of Plant Physiology</i> , 2009, 166, 1123-1140.	1.6	58
782	Exogenous proline and glycinebetaine increase antioxidant enzyme activities and confer tolerance to cadmium stress in cultured tobacco cells. <i>Journal of Plant Physiology</i> , 2009, 166, 1587-1597.	1.6	266
783	Sodium induces simultaneous changes in cytosolic calcium and pH in salt-tolerant quince protoplasts. <i>Journal of Plant Physiology</i> , 2009, 166, 1755-1763.	1.6	23
784	Hydrogen peroxide- and nitric oxide-induced systemic antioxidant prime-like activity under NaCl-stress and stress-free conditions in citrus plants. <i>Journal of Plant Physiology</i> , 2009, 166, 1904-1913.	1.6	123
785	Improvement of Salt Tolerance Mechanisms of Barley Cultivated Under Salt Stress Using <i>Azospirillum brasilense</i> . <i>Tasks for Vegetation Science</i> , 2009, , 133-147.	0.6	62
786	Antioxidant enzyme activities and protein profiling under salt stress in indica rice genotypes differing in salt tolerance. <i>Archives of Agronomy and Soil Science</i> , 2009, 55, 379-394.	1.3	34
787	Molecular Improvement of Tropical Maize for Drought Stress Tolerance in Sub-Saharan Africa. <i>Critical Reviews in Plant Sciences</i> , 2009, 28, 16-35.	2.7	34
788	Transgenic Expression of an Ethylene Responsive Element Binding Protein of <i>Capsicum annuum</i> (<i>CaEREBP-C4</i>) in Tobacco Confers Cold Tolerance. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2009, 52, 405-411.	0.9	3
789	Response of Calcineurin B-like Protein Kinase Gene in Tomato to Various Abiotic Stresses. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2009, 53, 15-21.	0.9	5

#	ARTICLE	IF	CITATIONS
791	R�les biologiques des antiports vacuolaires NHX : acquis et perspectives d'amélioration génétique des plantes. <i>Botany</i> , 2009, 87, 1023-1035.	0.5	10
792	Role of geranylgeranyl reductase gene in organ development and stress response in olive (<i>Olea</i>). <i>Journal of Plant Physiology</i> , 2009, 177, 618-628.	1.1	29
793	Chapter 2 Climate Change Affecting Rice Production. <i>Advances in Agronomy</i> , 2009, , 59-122.	2.4	349
794	Antioxidant defences and oxidative damage in salt-treated olive plants under contrasting sunlight irradiance. <i>Tree Physiology</i> , 2009, 29, 1187-1198.	1.4	55
795	Genotypic differences in plant growth, osmotic and antioxidative defence of <i>Cajanus cajan</i> (L.) Millsp. modulated by salt stress. <i>Archives of Agronomy and Soil Science</i> , 2009, 55, 3-33.	1.3	12
796	Effect of salinisation of soil on growth, water status and general nutrient accumulation in seedlings of <i>Delonix regia</i> (Fabaceae). <i>Acta Ecologica Sinica</i> , 2009, 29, 109-115.	0.9	15
797	Over-expression of the stress-induced OsWRKY45 enhances disease resistance and drought tolerance in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2009, 65, 35-47.	2.0	336
798	Physiological characterization of four model <i>Lotus</i> diploid genotypes: <i>L. japonicus</i> (MG20 and Gifu), <i>L. filicalis</i> , and <i>L. burttii</i> under salt stress. <i>Plant Science</i> , 2009, 177, 618-628.	1.7	13
799	Proline Accumulation, Photosynthetic Abilities and Growth Characters of Sugarcane (<i>Saccharum</i>) in China. <i>Sciences in China</i> , 2009, 8, 51-58.	0.6	60
800	Salinity Effects on Yield and Yield Components of Contrasting Naked Oat Genotypes. <i>Journal of Plant Nutrition</i> , 2009, 32, 1619-1632.	0.9	8
801	Overexpression of SOS (Salt Overly Sensitive) Genes Increases Salt Tolerance in Transgenic <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2009, 2, 22-31.	3.9	384
802	An on-farm evaluation of the capability of saline land for livestock production in southern Australia. <i>Animal Production Science</i> , 2009, 49, 79.	0.6	9
803	Enhancement of antioxidant enzyme activities and primary photochemical reactions in response to foliar application of thiols in water-stressed pearl millet. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2009, 57, 21-31.	0.2	8
804	Decline in leaf growth under salt stress is due to an inhibition of H ⁺ pumping activity and increase in apoplastic pH of maize leaves. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 535-543.	1.1	64
805	Synchrony between flower opening and petal-color change from red to blue in morning glory, <i>Ipomoea tricolor</i> cv. Heavenly Blue. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2009, 85, 187-197.	1.6	51
806	Legume Root Architecture: A Peculiar Root System. , 0, , 239-287.		5
808	Molecular cloning, expression and mapping of the translational initiation factor eIF1 gene in <i>Oryza sativa</i> . <i>Functional Plant Biology</i> , 2009, 36, 442.	1.1	7
809	Contrasting response mechanisms to root-zone salinity in three co-occurring Mediterranean woody evergreens: a physiological and biochemical study. <i>Functional Plant Biology</i> , 2009, 36, 551.	1.1	13

#	ARTICLE	IF	CITATIONS
810	Induction of alternative respiratory pathway involves nitric oxide, hydrogen peroxide and ethylene under salt stress. <i>Plant Signaling and Behavior</i> , 2010, 5, 1636-1637.	1.2	17
811	Studies on the Movements of Ionic Selectivity, Compatible Solutes, and Intracellular Ions Caused in the Leaves of Spinach (<i>Spinacia oleracea</i> L.) Plants Cultured in a Nutrient Solution with Seawater. <i>Water Environment Research</i> , 2010, 82, 848-858.	1.3	0
812	Role of Proline in Plant Response to Drought and Salinity. <i>Books in Soils, Plants, and the Environment</i> , 2010, , 213-238.	0.1	17
813	LeAbs1 gene expression regulation by various abiotic and oxidative stresses. <i>Canadian Journal of Plant Science</i> , 2010, 90, 435-441.	0.3	0
814	Potato plants bearing a vacuolar Na ⁺ /H ⁺ antiporter HvNHX2 from barley are characterized by improved salt tolerance. <i>Russian Journal of Plant Physiology</i> , 2010, 57, 696-706.	0.5	22
815	Effect of light conditions of wheat growing on sensitivity of photosynthetic machinery to salt stress. <i>Russian Journal of Plant Physiology</i> , 2010, 57, 770-777.	0.5	3
816	Growth, ion composition, and stomatal conductance of peas exposed to salinity. <i>Open Life Sciences</i> , 2010, 5, 682-691.	0.6	10
817	Structural and Functional Adaptations in Plants for Salinity Tolerance. , 2010, , 151-170.		28
818	Role of Ascorbate Peroxidase and Glutathione Reductase in Ascorbate–Glutathione Cycle and Stress Tolerance in Plants. , 2010, , 91-113.		45
819	Protein profile analysis of salt-responsive proteins in leaves and roots in two cultivars of creeping bentgrass differing in salinity tolerance. <i>Plant Cell Reports</i> , 2010, 29, 595-615.	2.8	84
820	Contrasting Effects of GA3 Treatments on Tomato Plants Exposed to Increasing Salinity. <i>Journal of Plant Growth Regulation</i> , 2010, 29, 63-72.	2.8	168
821	Antioxidative Defense Potential to Salinity in the Euhalophyte <i>Salicornia brachiata</i> . <i>Journal of Plant Growth Regulation</i> , 2010, 29, 137-148.	2.8	69
822	The sugar beet gene encoding the sodium/proton exchanger 1 (BvNHX1) is regulated by a MYB transcription factor. <i>Planta</i> , 2010, 232, 187-195.	1.6	41
823	Characterization of expressed sequence tags (ESTs) of pigeonpea (<i>Cajanus cajan</i> L.) and functional validation of selected genes for abiotic stress tolerance in <i>Arabidopsis thaliana</i> . <i>Molecular Genetics and Genomics</i> , 2010, 283, 273-287.	1.0	43
824	Hydraulic lift and tolerance to salinity of semiarid species: consequences for species interactions. <i>Oecologia</i> , 2010, 162, 11-21.	0.9	63
825	Salt tolerance mechanisms in mangroves: a review. <i>Trees - Structure and Function</i> , 2010, 24, 199-217.	0.9	297
826	Effect of NaCl on leaf H ⁺ -ATPase and the relevance to salt tolerance in two contrasting poplar species. <i>Trees - Structure and Function</i> , 2010, 24, 597-607.	0.9	19
827	Acclimatory response to hydrogen peroxide and glutathione under salt-boron stress through their impact on mineral nutrition and antioxidant defense system in pigeonpea (<i>Cajanus cajan</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2010, 16, 295-304.	1.4	5

#	ARTICLE	IF	CITATIONS
828	Responses to nonaeration and/or salinity stress in hydroponically cultured <i>Populus nigra</i> and <i>Populus alba</i> cuttings. <i>Landscape and Ecological Engineering</i> , 2010, 6, 11-21.	0.7	3
829	Expression of Indica rice OsBADH1 gene under salinity stress in transgenic tobacco. <i>Plant Biotechnology Reports</i> , 2010, 4, 75-83.	0.9	49
830	Culture surface and exogenous putrescine-altered shoot growth pattern in mannitol- and cadmium chloride-pretreated callus of <i>Cymbidium</i> <i>Via del Playa</i> "Yvonne". <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2010, 46, 491-498.	0.9	2
831	NaCl increases the activity of the plasma membrane H ⁺ -ATPase in C3 halophyte <i>Suaeda salsa</i> callus. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 27-36.	1.0	70
832	Overexpression of NHX1s in transgenic <i>Arabidopsis</i> enhances photoprotection capacity in high salinity and drought conditions. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 81-90.	1.0	23
833	Calcium chloride and gibberellic acid protect linseed (<i>Linum usitatissimum</i> L.) from NaCl stress by inducing antioxidative defence system and osmoprotectant accumulation. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 121-132.	1.0	194
834	Physiological and antioxidant responses of <i>Mentha pulegium</i> (Pennyroyal) to salt stress. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 289-296.	1.0	118
835	Contributions of arbuscular mycorrhizal fungi to growth, photosynthesis, root morphology and ionic balance of citrus seedlings under salt stress. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 297-304.	1.0	194
836	Comparative analysis of some biochemical responses of three indica rice varieties during polyethylene glycol-mediated water stress exhibits distinct varietal differences. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 551-563.	1.0	71
837	Prolonged salt stress alters the ratios of protochlorophyllide spectral forms in dark-grown wheat (<i>Triticum aestivum</i>) and influences chlorophyll a accumulation following irradiation. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 971-978.	1.0	6
838	In vitro responses of grape rootstocks to NaCl. <i>Biologia Plantarum</i> , 2010, 54, 381-385.	1.9	24
839	Screening of genes induced by salt stress from Alfalfa. <i>Molecular Biology Reports</i> , 2010, 37, 745-753.	1.0	73
840	The molecular basis for stress-induced acquisition of somatic embryogenesis. <i>Molecular Biology Reports</i> , 2010, 37, 2493-2507.	1.0	131
841	Overexpression of PgDREB2A transcription factor enhances abiotic stress tolerance and activates downstream stress-responsive genes. <i>Molecular Biology Reports</i> , 2010, 37, 1125-1135.	1.0	153
842	Effects of water stress induced by sodium chloride and mannitol on proline accumulation, photosynthetic abilities and growth characters of eucalyptus (<i>Eucalyptus camaldulensis</i> Dehnh.). <i>New Forests</i> , 2010, 40, 349-360.	0.7	23
843	Biochemical, physiological and growth changes in response to salinity in callus cultures of <i>Sesuvium portulacastrum</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 102, 17-25.	1.2	93
844	Identification of differentially expressed transcripts involved in the salt-stress response of <i>Salsola ferganica</i> by suppression subtractive hybridization. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 103, 343-352.	1.2	11
845	Physiological responses to salinity in Silver buffaloberry (<i>Shepherdia argentea</i>) introduced to Qinghai high-cold and saline area, China. <i>Photosynthetica</i> , 2010, 48, 51-58.	0.9	7

#	ARTICLE	IF	CITATIONS
846	Genome-wide transcriptome analysis of two maize inbred lines under drought stress. <i>Plant Molecular Biology</i> , 2010, 72, 407-421.	2.0	180
847	The pepper oxidoreductase CaOXR1 interacts with the transcription factor CaRAV1 and is required for salt and osmotic stress tolerance. <i>Plant Molecular Biology</i> , 2010, 73, 409-424.	2.0	47
848	The woody plant poplar has a functionally conserved salt overly sensitive pathway in response to salinity stress. <i>Plant Molecular Biology</i> , 2010, 74, 367-380.	2.0	120
849	Effects of NO ₃ ⁻ -N on the growth and salinity tolerance of <i>Tamarix laxa</i> Willd. <i>Plant and Soil</i> , 2010, 331, 57-67.	1.8	38
850	The role of cotyledon metabolism in the establishment of quinoa (<i>Chenopodium quinoa</i>) seedlings growing under salinity. <i>Plant and Soil</i> , 2010, 326, 213-224.	1.8	89
851	Differential antioxidative response in barley leaves subjected to the interactive effects of salinity and potassium deprivation. <i>Plant and Soil</i> , 2010, 334, 449-460.	1.8	30
852	Isolation, Functional Characterization, and Expression Pattern of a Vacuolar Na ⁺ /H ⁺ Antiporter Gene TrNHX1 from <i>Trifolium repens</i> L.. <i>Plant Molecular Biology Reporter</i> , 2010, 28, 102-111.	1.0	26
853	The effects of salinity on photosynthesis and growth of the single-cell C ₄ species <i>Bienertia sinuspersici</i> (Chenopodiaceae). <i>Photosynthesis Research</i> , 2010, 106, 201-214.	1.6	31
854	Salt tolerance at germination and vegetative growth involves different mechanisms in barnyard grass (<i>Echinochloa crusgalli</i> L.) mutants. <i>Plant Growth Regulation</i> , 2010, 60, 1-12.	1.8	15
855	Ca ²⁺ significantly enhanced development and salt-secretion rate of salt glands of <i>Limonium bicolor</i> under NaCl treatment. <i>South African Journal of Botany</i> , 2010, 76, 95-101.	1.2	75
856	The development and evaluation of single cell suspension from wheat and barley as a model system; a first step towards functional genomics application. <i>BMC Plant Biology</i> , 2010, 10, 239.	1.6	15
857	Aluminum stress induces up-regulation of an efficient antioxidant system in the Al-tolerant maize line but not in the Al-sensitive line. <i>Environmental and Experimental Botany</i> , 2010, 67, 487-494.	2.0	148
858	Interactive effects of various salt and alkali stresses on growth, organic solutes, and cation accumulation in a halophyte <i>Spartina alterniflora</i> (Poaceae). <i>Environmental and Experimental Botany</i> , 2010, 68, 66-74.	2.0	87
859	An ecophysiological analysis of salinity tolerance in olive. <i>Environmental and Experimental Botany</i> , 2010, 68, 214-221.	2.0	46
860	Generation of marker-free transgenic maize with improved salt tolerance using the FLP/FRT recombination system. <i>Journal of Biotechnology</i> , 2010, 145, 206-213.	1.9	43
861	The effectiveness of arbuscular-mycorrhizal fungi and <i>Aspergillus niger</i> or <i>Phanerochaete chrysosporium</i> treated organic amendments from olive residues upon plant growth in a semi-arid degraded soil. <i>Journal of Environmental Management</i> , 2010, 91, 2547-2553.	3.8	32
862	Effect of ploidy levels on the activities of ¹⁴ C-pyrroline-5-carboxylate synthetase, superoxide dismutase and peroxidase in <i>Cenchrus</i> species grown under water stress. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 27-34.	2.8	40
863	Chlorophyll a fluorescence study revealing effects of high salt stress on Photosystem II in wheat leaves. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 16-20.	2.8	367

#	ARTICLE	IF	CITATIONS
864	Proteomic changes in maize roots after short-term adjustment to saline growth conditions. <i>Proteomics</i> , 2010, 10, 4441-4449.	1.3	127
865	Transcriptomic profiling of major carbon and amino acid metabolism in the roots of <i>Arabidopsis thaliana</i> treated with various rhizotoxic ions. <i>Soil Science and Plant Nutrition</i> , 2010, 56, 150-162.	0.8	10
866	Effects of salt and alkali stresses on germination, growth, photosynthesis and ion accumulation in alfalfa (<i>Medicago sativa</i> L.). <i>Soil Science and Plant Nutrition</i> , 2010, 56, 725-733.	0.8	141
867	Organ-specific Responses of Vacuolar H ⁺ -ATPase in the Shoots and Roots of C ₃ Halophyte <i>Suaeda salsa</i> to NaCl. <i>Journal of Integrative Plant Biology</i> , 2010, 52, 308-314.	4.1	69
868	Growth Response to Ionic and Osmotic Stress of NaCl in Salt-tolerant and Salt-sensitive Maize. <i>Journal of Integrative Plant Biology</i> , 2010, 52, 468-475.	4.1	77
869	<i>Porteresia coarctata</i> (Roxb.) Tateoka, a wild rice: a potential model for studying salt-stress biology in rice. <i>Plant, Cell and Environment</i> , 2010, 33, 526-542.	2.8	82
870	A conserved primary salt tolerance mechanism mediated by HKT transporters: a mechanism for sodium exclusion and maintenance of high K ⁺ /Na ⁺ ratio in leaves during salinity stress. <i>Plant, Cell and Environment</i> , 2010, 33, 552-565.	2.8	455
871	Genes mapping to boron tolerance QTL in barley identified by suppression subtractive hybridization. <i>Plant, Cell and Environment</i> , 2010, 33, 188-198.	2.8	11
872	H ₂ O ₂ and cytosolic Ca ²⁺ signals triggered by the PM H ⁺ -coupled transport system mediate K ⁺ /Na ⁺ homeostasis in NaCl-stressed <i>Populus euphratica</i> cells. <i>Plant, Cell and Environment</i> , 2010, 33, 943-958.	2.8	164
873	Isolation and characterization of a pigeonpea cyclophilin (<i>CcCYP</i>) gene, and its overexpression in <i>Arabidopsis</i> confers multiple abiotic stress tolerance. <i>Plant, Cell and Environment</i> , 2010, 33, 1324-1338.	2.8	77
874	The AtNHX1 exchanger mediates potassium compartmentation in vacuoles of transgenic tomato. <i>Plant Journal</i> , 2010, 61, 495-506.	2.8	268
875	Interactions between <i>Pseudomonas putida</i> UW4 and <i>Gigaspora rosea</i> BEG9 and their consequences for the growth of cucumber under salt-stress conditions. <i>Journal of Applied Microbiology</i> , 2010, 108, 236-245.	1.4	132
876	The soybean root-specific protein kinase GmWINK1 regulates stress-responsive ABA signaling on the root system architecture. <i>Plant Journal</i> , 2010, 64, 230-242.	2.8	50
877	Gene expression profiling of <i>Dunaliella</i> sp. acclimated to different salinities. <i>Phycological Research</i> , 2010, 58, 17-28.	0.8	26
878	Expression of pigeonpea hybrid-proline-rich protein encoding gene (<i>CcHyPRP</i>) in yeast and <i>Arabidopsis</i> affords multiple abiotic stress tolerance. <i>Plant Biotechnology Journal</i> , 2010, 8, 76-87.	4.1	80
879	Salt-induced Regulation of Some Key Antioxidant Enzymes and Physio-Biochemical Phenomena in Five Diverse Cultivars of Turnip (<i>Brassica rapa</i> L.). <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 273-285.	1.7	74
880	Systemin-dependent salinity tolerance in tomato: evidence of specific convergence of abiotic and biotic stress responses. <i>Physiologia Plantarum</i> , 2010, 138, 10-21.	2.6	70
881	Simultaneous expression of choline oxidase, superoxide dismutase and ascorbate peroxidase in potato plant chloroplasts provides synergistically enhanced protection against various abiotic stresses. <i>Physiologia Plantarum</i> , 2010, 138, 520-533.	2.6	82

#	ARTICLE	IF	CITATIONS
883	Over-expression of ZmPti1, a homologue to Pti1, increases salt tolerance of <i>Arabidopsis thaliana</i> . African Journal of Biotechnology, 2010, 9, 656-662.	0.3	2
884	NaCl salinity-induced changes in water status, ion contents and photosynthetic properties of <i>Shepherdia argentea</i> (Pursh) Nutt. seedlings. Plant, Soil and Environment, 2010, 56, 325-332.	1.0	51
885	Drought tolerance in Zn-deficient red cabbage (<i>Brassica oleracea</i> L. var. capitata f. rubra) plants. Zahradnictvi (Prague, Czech Republic: 1992), 2010, 37, 88-98.	0.3	25
886	The effects of ascorbic acid on salt induced alfalfa (<i>Medicago sativa</i> L.) in <i>in vitro</i> culture. Biokemistri, 2010, 18, .	0.1	5
887	AM Fungi Influences the Photosynthetic Activity, Growth and Antioxidant Enzymes in <i>Allium sativum</i> L. under Salinity Condition. Notulae Scientia Biologicae, 2010, 2, 64-71.	0.1	36
888	Over-expression of <i>Arabidopsis</i> DnaJ (Hsp40) contributes to NaCl-stress tolerance. African Journal of Biotechnology, 2010, 9, 972-978.	0.3	44
889	Impact of salt stress on five varieties of Wheat (&Triticum aestivum& L.) cultivars under laboratory condition. Journal of Applied Sciences and Environmental Management, 2010, 13, .	0.1	29
890	Improving Tolerance of Faba Bean during Early Growth Stages to Salinity through Micronutrients Foliar Spray. Notulae Scientia Biologicae, 2010, 2, 98-102.	0.1	10
891	Mitigating effect of salicylic acid and nitrate on water relations and osmotic adjustment in maize, cv. Luteo exposed to salinity. Ciencia E Investigacion Agraria, 2010, 37, 71-81.	0.2	2
892	A phylogenetic analysis of <i>Jurinea</i> (Compositae) species from Turkey based on ITS sequence data. African Journal of Biotechnology, 2010, 9, 1741-1745.	0.3	8
893	Involvement of Ethylene and Hydrogen Peroxide in Induction of Alternative Respiratory Pathway in Salt-Treated <i>Arabidopsis</i> Calluses. Plant and Cell Physiology, 2010, 51, 1754-1765.	1.5	114
894	Nitric oxide enhances salt secretion and Na ⁺ sequestration in a mangrove plant, <i>Avicennia marina</i> , through increasing the expression of H ⁺ -ATPase and Na ⁺ /H ⁺ antiporter under high salinity. Tree Physiology, 2010, 30, 1570-1585.	1.4	124
895	Chlorine Ions but not Sodium Ions Alter Genome Stability of <i>Arabidopsis thaliana</i> . Plant and Cell Physiology, 2010, 51, 1066-1078.	1.5	64
896	Structural Insights into Maize Viviparous14, a Key Enzyme in the Biosynthesis of the Phytohormone Abscisic Acid. Plant Cell, 2010, 22, 2970-2980.	3.1	152
897	Implications of Calcium Nutrition on the Response of <i>Salvadora persica</i> (Salvadoraceae) to Soil Salinity. Communications in Soil Science and Plant Analysis, 2010, 41, 2644-2660.	0.6	9
898	Salinity tolerance and genetic variability in freshwater and brackish <i>Trichocorythaceae</i> hexagonacolonies. American Journal of Botany, 2010, 97, 1438-1443.	0.8	13
899	Adaptation to a Changing Environment: The Regulatory Role of Small RNAs. Progress in Botany Fortschritte Der Botanik, 2010, , 135-155.	0.1	0
900	Characterization of a DRE-Binding Transcription Factor from <i>Asparagus</i> (<i>Asparagus officinalis</i> L.) and Its Overexpression in <i>Arabidopsis</i> Resulting in Salt- and Drought-Resistant Transgenic Plants. International Journal of Plant Sciences, 2010, 171, 12-23.	0.6	7

#	ARTICLE	IF	CITATIONS
901	Water Management in Coastal Areas with Low Quality Irrigation Water for Pepper Growth. Journal of Coastal Research, 2010, 265, 869-878.	0.1	3
902	Salinity-imposed changes of some isozymes and total leaf protein expression in five mangroves from two different habitats. Journal of Plant Interactions, 2010, 5, 211-221.	1.0	19
903	A comparative study of salt tolerance parameters in 11 wild relatives of <i>Arabidopsis thaliana</i> . Journal of Experimental Botany, 2010, 61, 3787-3798.	2.4	126
904	Expression, detection of candidate function and homology modeling for <i>Vicia villosa</i> ornithine δ-aminotransferase. GM Crops, 2010, 1, 250-256.	1.8	1
905	Genome Structures and Halophyte-Specific Gene Expression of the Extremophile <i>Thellungiella parvula</i> in Comparison with <i>Thellungiella salsuginea</i> (<i>Thellungiella halophila</i>) and <i>Arabidopsis</i> . Plant Physiology, 2010, 154, 1040-1052.	2.3	97
906	Cyanobacterial Reclamation of Salt-Affected Soil. Sustainable Agriculture Reviews, 2010, , 243-275.	0.6	19
907	Plant Phospholipase D. Plant Cell Monographs, 2010, , 39-62.	0.4	14
908	Essential Oil and Enzyme Activity in Spearmint Under Salt Stress. Journal of Herbs, Spices and Medicinal Plants, 2010, 16, 136-145.	0.5	18
909	Responses of Halophytes to Environmental Stresses with Special Emphasis to Salinity. Advances in Botanical Research, 2010, 53, 117-145.	0.5	77
910	Legumesâ€“Microbes Interactions Under Stressed Environments. , 2010, , 353-387.		11
911	Chlorate-induced Inhibition of Nitrate Uptake Mediated by <i>Enterobacter amnigenus</i> GG0461. Journal of the Korean Society for Applied Biological Chemistry, 2010, 53, 164-169.	0.9	4
912	Expression Pattern of Two Dehydroascorbate Reductase Genes from Tomato (<i>Solanum lycopersicum</i>) Tj ETQq1 1 0.784314 rgBT /Ove 668-676.	0.9	7
913	COMPARISON OF OSMOTIC REGULATION IN DEHYDRATION- AND SALINITY-STRESSED SUNFLOWER SEEDLINGS. Journal of Plant Nutrition, 2010, 33, 966-981.	0.9	18
914	Physiological and biochemical responses of peanut genotypes to water deficit. Journal of Plant Interactions, 2010, 5, 1-10.	1.0	34
915	The response of barley to salinity stress differs between hydroponic and soil systems. Functional Plant Biology, 2010, 37, 621.	1.1	131
916	Drought Stress Tolerance. Biotechnology in Agriculture and Forestry, 2010, , 139-157.	0.2	11
917	Toxins and Their Phytoremediation. , 2010, , 1-32.		7
918	Atmospheric CO2 concentration influences the contributions of osmolyte accumulation and cell wall elasticity to salt tolerance in barley cultivars. Journal of Plant Physiology, 2010, 167, 15-22.	1.6	55

#	ARTICLE	IF	CITATIONS
919	Structural and Functional Characterization of Plant Aminoaldehyde Dehydrogenase from <i>Pisum sativum</i> with a Broad Specificity for Natural and Synthetic Aminoaldehydes. <i>Journal of Molecular Biology</i> , 2010, 396, 870-882.	2.0	55
920	Model legumes contribute to faba bean breeding. <i>Field Crops Research</i> , 2010, 115, 253-269.	2.3	64
921	Sensitivity of <i>Trifolium alexandrinum</i> L. to salt stress is related to the lack of long-term stress-induced gene expression. <i>Plant Science</i> , 2010, 178, 491-500.	1.7	23
922	Molybdenum as an essential element for improving total yield in seawater-grown <i>Salicornia europaea</i> L.. <i>Scientia Horticulturae</i> , 2010, 126, 395-401.	1.7	28
923	Role of grafting in vegetable crops grown under saline conditions. <i>Scientia Horticulturae</i> , 2010, 127, 147-155.	1.7	231
924	MicroRNAs with macro-effects on plant stress responses. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 805-811.	2.3	240
925	Water uptake, water use efficiency, plant growth and ionic balance of wheat, barley, canola and chickpea plants on a sodic vertosol with variable subsoil NaCl salinity. <i>Agricultural Water Management</i> , 2010, 97, 148-156.	2.4	68
926	Cytosolic calcium and pH signaling in plants under salinity stress. <i>Plant Signaling and Behavior</i> , 2010, 5, 233-238.	1.2	235
927	MAPK machinery in plants. <i>Plant Signaling and Behavior</i> , 2010, 5, 1370-1378.	1.2	211
928	Analysis of Root Plasma Membrane Aquaporins from <i>Brassica oleracea</i> : Post-Translational Modifications, <i>de novo</i> Sequencing and Detection of Isoforms by High Resolution Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 3479-3494.	1.8	25
929	Exogenous Proline Effects on Photosynthetic Performance and Antioxidant Defense System of Young Olive Tree. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4216-4222.	2.4	182
930	Insights into the significance of antioxidative defense under salt stress. <i>Plant Signaling and Behavior</i> , 2010, 5, 369-374.	1.2	400
931	Nucleic Acid Metabolism, Proline Concentration and Antioxidants Enzyme Activity in Canola (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	19
932	Nitrogen in Relation to Photosynthetic Capacity and Accumulation of Osmoprotectant and Nutrients in <i>Brassica</i> Genotypes Grown Under Salt Stress. <i>Agricultural Sciences in China</i> , 2010, 9, 671-680.	0.6	49
933	Alkaloid Accumulation in <i>Catharanthus roseus</i> Increases with Addition of Seawater Salts to the Nutrient Solution. <i>Pedosphere</i> , 2010, 20, 718-724.	2.1	21
934	Plant Adaptation and Phytoremediation. , 2010, , .		59
935	Effects of drought stress on biochemical and physiological parameters in callus cultures of <i>Carthamus tinctorius</i> varieties. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2010, 58, 395-406.	0.2	5
936	EFFECT OF SALINIZATION OF SOIL ON GROWTH, WATER STATUS AND NUTRIENT ACCUMULATION IN SEEDLINGS OF <i>ACACIA AURICULIFORMIS</i> (FABACEAE). <i>Journal of Plant Nutrition</i> , 2010, 33, 914-932.	0.9	31

#	ARTICLE	IF	CITATIONS
937	Changes in sulphur metabolism of grey poplar (<i>Populus x canescens</i>) leaves during salt stress: a metabolic link to photorespiration. <i>Tree Physiology</i> , 2010, 30, 1161-1173.	1.4	17
938	Intracellular consequences of SOS1 deficiency during salt stress. <i>Journal of Experimental Botany</i> , 2010, 61, 1205-1213.	2.4	139
939	Effect of Sodium Chloride Levels on Growth, Water Status, Uptake, Transport, and Accumulation Pattern of Sodium and Chloride Ions in Young Sunflower Plants. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 815-831.	0.6	27
940	Ionic and osmotic relations in quinoa (<i>Chenopodium quinoa</i> Willd.) plants grown at various salinity levels. <i>Journal of Experimental Botany</i> , 2011, 62, 185-193.	2.4	284
941	Membrane Transport, Sensing and Signaling in Plant Adaptation to Environmental Stress. <i>Plant and Cell Physiology</i> , 2011, 52, 1583-1602.	1.5	248
942	Salt and drought tolerance of sugarcane under iso-osmotic salt and water stress: growth, osmolytes accumulation, and antioxidant defense. <i>Journal of Plant Interactions</i> , 2011, 6, 275-282.	1.0	95
943	Salt-induced accumulation of glycine betaine is inhibited by high light in durum wheat. <i>Functional Plant Biology</i> , 2011, 38, 139.	1.1	48
944	Signalling Strategies During Drought and Salinity, Recent News. <i>Advances in Botanical Research</i> , 2011, 57, 293-317.	0.5	14
945	Mécanismes et stratégies cellulaires de tolérance à la salinité (NaCl) chez les plantes. <i>Environmental Reviews</i> , 2011, 19, 121-140.	2.1	14
946	Dynamic Metabonomic Responses of Tobacco (<i>Nicotiana tabacum</i>) Plants to Salt Stress. <i>Journal of Proteome Research</i> , 2011, 10, 1904-1914.	1.8	195
947	HRM technology for the identification and characterization of INDEL and SNPs mutations in genes involved in drought and salt tolerance of durum wheat. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011, 9, 166-169.	0.4	20
948	The Potential of Proteomics Technologies for Crop Improvement under Drought Conditions. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 471-490.	2.7	29
949	Contrasting leaf Na ⁺ uptake and transport rates conferred differences in salt tolerance of wheat genotypes. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2011, 61, 129-135.	0.3	2
950	CHARACTERIZATION OF THE PHYSIOLOGICAL RESPONSE OF THE HIGHLY-TOLERANT TOMATO CV. 'PONCHO NEGRO'™ TO SALINITY AND EXCESS BORON. <i>Journal of Plant Nutrition</i> , 2011, 34, 1254-1267.	0.9	8
951	In Vitro Selection for Abiotic Stress in Date Palm. , 2011, , 237-252.		8
952	Plants in Extreme Environments. <i>Advances in Botanical Research</i> , 2011, 57, 105-150.	0.5	48
953	Nitrate assimilation is essential for the synthesis of organic matter. , 2011, , 273-305.		6
954	The effects of short term salinity exposure on the sublethal stress response of <i>Vallisneria americana</i> Michx. (Hydrocharitaceae). <i>Aquatic Botany</i> , 2011, 95, 207-213.	0.8	10

#	ARTICLE	IF	CITATIONS
955	Deficit irrigation under water stress and salinity conditions: The MOPECO-Salt Model. <i>Agricultural Water Management</i> , 2011, 98, 1451-1461.	2.4	61
956	<i>Arabidopsis</i> MKK4 mediates osmotic-stress response via its regulation of MPK3 activity. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 150-154.	1.0	94
957	An Omics Approach to Understand the Plant Abiotic Stress. <i>OMICS A Journal of Integrative Biology</i> , 2011, 15, 739-762.	1.0	74
958	Comparative transcriptome analysis of contrasting foxtail millet cultivars in response to short-term salinity stress. <i>Journal of Plant Physiology</i> , 2011, 168, 280-287.	1.6	79
959	The biosynthesis of flavonoids is enhanced similarly by UV radiation and root zone salinity in <i>L. vulgare</i> leaves. <i>Journal of Plant Physiology</i> , 2011, 168, 204-212.	1.6	263
960	The combined effect of salt stress and heat shock on proteome profiling in <i>Suaeda salsa</i> . <i>Journal of Plant Physiology</i> , 2011, 168, 1743-1752.	1.6	102
961	Transcriptome analysis reveals salt-stress-regulated biological processes and key pathways in roots of cotton (<i>Gossypium hirsutum</i> L.). <i>Genomics</i> , 2011, 98, 47-55.	1.3	124
962	More than the sum of its parts – How to achieve a specific transcriptional response to abiotic stress. <i>Plant Science</i> , 2011, 180, 421-430.	1.7	44
963	Plasma membrane localization of the type I H ⁺ -PPase AVP1 in sieve element-companion cell complexes from <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2011, 181, 23-30.	1.7	53
964	Beneficial effects of exogenous iodine in lettuce plants subjected to salinity stress. <i>Plant Science</i> , 2011, 181, 195-202.	1.7	65
965	Preconditioning Alters Antioxidative Enzyme Responses in Rice Seedlings to Water Stress. <i>Procedia Environmental Sciences</i> , 2011, 11, 1346-1351.	1.3	18
966	The role of mitochondrial respiration in salinity tolerance. <i>Trends in Plant Science</i> , 2011, 16, 614-623.	4.3	199
967	Betaines in Fruits of <i>Citrus</i> Genus Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9410-9416.	2.4	51
968	Proline Derivatives in Fruits of Bergamot (<i>Citrus bergamia</i> Risso et Poit): Presence of <i>N</i> -Methyl-proline and 4-Hydroxy-Prolinebetaine. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 274-281.	2.4	27
969	Implications of calcium nutrition on the response of <i>Caesalpinia crista</i> (Fabaceae) to soil salinity. <i>Acta Ecologica Sinica</i> , 2011, 31, 24-30.	0.9	26
970	Current Knowledge in Physiological and Genetic Mechanisms Underpinning Tolerances to Alkaline and Saline Subsoil Constraints of Broad Acre Cropping in Dryland Regions. , 0, , .		3
971	Evaluation of 10 wheat cultivars under water stress at Moghan (Iran) condition. <i>African Journal of Biotechnology</i> , 2011, 10, 10900-10905.	0.3	5
972	Abiotic Stress Diagnosis via Laser Induced Chlorophyll Fluorescence Analysis in Plants for Biofuel. , 0, , .		3

#	ARTICLE	IF	CITATIONS
973	Osmoadaptation and plant growth promotion by salt tolerant bacteria under salt stress. African Journal of Microbiology Research, 2011, 5, .	0.4	17
974	Effect of Arbuscular Mycorrhizal Fungi on Growth and Antioxidant Activity in Gmelina arborea Roxb. under Salt Stress Condition. Notulae Scientia Biologicae, 2011, 3, 71-78.	0.1	19
975	Saline agriculture in Mediterranean environments. Italian Journal of Agronomy, 2011, 6, 7.	0.4	30
976	Application of Temperature Stress to Roots of Spinach I. Effect of the Low Temperature Stress on Quality. Environmental Control in Biology, 2011, 49, 133-139.	0.3	25
977	Overexpression of apple spermidine synthase 1 (MdSPDS1) leads to significant salt tolerance in tomato plants. Plant Biotechnology, 2011, 28, 33-42.	0.5	27
978	Growth assessments of Nicotianatabaccumcv.Xanthi transformed with Arabidopsis thaliana P5CS under salt stress. African Journal of Biotechnology, 2011, 10, 8539-8552.	0.3	7
979	Role of sodium and hydrogen (Na ⁺ /H ⁺) antiporters in salt tolerance of plants: Present and future challenges. African Journal of Biotechnology, 2011, 10, 13693-13704.	0.3	16
980	Water stress causes differential effects on germination indices, total soluble sugar and proline content in wheat (Triticum aestivum L.) genotypes. African Journal of Biotechnology, 2011, 10, 14038-14045.	0.3	45
981	Plant Genes for Abiotic Stress. , 0, , .		12
982	Caracterizaci3n del maAz "LluteAo" (Zea mays L. tipo amylacea) proveniente del norte de Chile, tolerante a NaCl y exceso de boro, como una alternativa para la producci3n de bioenergAa. Idesia, 2011, 29, 7-16.	0.1	7
983	Extraction and Analysis of Inositols and Other Carbohydrates from Soybean Plant Tissues. , 2011, , .		4
984	Effect of salt stress on nutrient concentration, photosynthetic pigments, proline and foliar morphology of Salvinia auriculata Aubl.. Acta Limnologica Brasiliensia, 2011, 23, 164-176.	0.4	46
985	Remediation of salt-affected soil by the addition of organic matter: an investigation into improving glutinous rice productivity. Scientia Agricola, 2011, 68, 406-410.	0.6	54
986	Molecular, anatomical and physiological properties of a genetically modified soybean line transformed with rd29A:AtDREB1A for the improvement of drought tolerance. Genetics and Molecular Research, 2011, 10, 3641-3656.	0.3	50
987	Influence of NaCl Salinity and Different Substracts on Plant Growth, Mineral Nutrient Assimilation and Fruit Yield of Strawberry. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2011, 39, 219.	0.5	14
988	Hot pepper response to interactive effects of salinity and boron. Plant, Soil and Environment, 2006, 52, 227-233.	1.0	40
989	The continuous accumulation of Na ⁺ in detached leaf sections is associated with over-expression of NTHK1 and salt tolerance in poplar plants. Functional Plant Biology, 2011, 38, 236.	1.1	4
990	Salinity Stress and Salt Tolerance. , 0, , .		96

#	ARTICLE	IF	CITATIONS
991	Protein electrophoretic profiles and physiochemical indicators of salinity tolerance in sorghum (<i>Sorghum bicolor</i> L.). <i>African Journal of Biotechnology</i> , 2011, 10, 2683-2697.	0.3	17
992	Plant Plasma Membrane H ⁺ -ATPase in Adaptation of Plants to Abiotic Stresses. , 0, , .		21
993	Seawaterâ€”irrigation effects on growth, ion concentration, and photosynthesis of transgenic poplar overexpressing the Na ⁺ /H ⁺ antiporter AtNHX1. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 301-310.	1.1	10
994	Salinity drives host reaction in <i>Phaseolus vulgaris</i> (common bean) to <i>Macrophomina phaseolina</i> . <i>Functional Plant Biology</i> , 2011, 38, 984.	1.1	28
995	Durum wheat salt tolerance in relation to physiological, yield and quality characters. <i>Cereal Research Communications</i> , 2011, 39, 525-534.	0.8	24
996	A critical review on halophytes: Salt tolerant plants. <i>Journal of Medicinal Plants Research</i> , 2011, 5, .	0.2	35
997	Comparative study on the effects of NaCl on selected moss and fern representatives. <i>Australian Journal of Botany</i> , 2011, 59, 734.	0.3	19
998	Comparative genomics of two ecologically differential populations of <i>Hibiscus tiliaceus</i> under salt stress. <i>Functional Plant Biology</i> , 2011, 38, 199.	1.1	5
999	Antioxidant geneâ€”enzyme responses in <i>Medicago truncatula</i> genotypes with different degree of sensitivity to salinity. <i>Physiologia Plantarum</i> , 2011, 141, 201-214.	2.6	69
1000	Early effects of salt stress on the physiological and oxidative status of <i>Cakile maritima</i> (halophyte) and <i>Arabidopsis thaliana</i> (glycophyte). <i>Physiologia Plantarum</i> , 2011, 142, 128-143.	2.6	159
1001	Adaptation of <i>Saccharomyces cerevisiae</i> to saline stress through laboratory evolution. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1135-1153.	0.8	134
1003	Interactive effects of salinity and phosphorus availability on growth, water relations, nutritional status and photosynthetic activity of barley (<i>Hordeum vulgare</i> L.). <i>Plant Biology</i> , 2011, 13, 872-880.	1.8	48
1004	Growth Properties and Ion Distribution in Different Tissues of Bread Wheat Genotypes (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	1.7	30
1005	Salt (NaCl)-Induced Modulation in some Key Physio-Biochemical Attributes in Okra (<i>Abelmoschus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 66	1.7	66
1006	Induction of Drought Tolerance in Maize (<i>Zea mays</i> L.) due to Exogenous Application of Trehalose: Growth, Photosynthesis, Water Relations and Oxidative Defence Mechanism. <i>Journal of Agronomy and Crop Science</i> , 2011, 197, 258-271.	1.7	202
1007	Differential Cl ⁻ /Salt Tolerance and NaCl-Induced Alternations of Tissue and Cellular Ion Fluxes in <i>Glycine max</i> , <i>Glycine soja</i> and their Hybrid Seedlings. <i>Journal of Agronomy and Crop Science</i> , 2011, 197, 329-339.	1.7	51
1008	Assessing the role of root plasma membrane and tonoplast Na ⁺ /H ⁺ exchangers in salinity tolerance in wheat: <i>in planta</i> quantification methods. <i>Plant, Cell and Environment</i> , 2011, 34, 947-961.	2.8	159
1009	Overâ€”expression of an Na ⁺ and K ⁺ permeable HKT transporter in barley improves salt tolerance. <i>Plant Journal</i> , 2011, 68, 468-479.	2.8	256

#	ARTICLE	IF	CITATIONS
1010	Sodium transport in plants: a critical review. <i>New Phytologist</i> , 2011, 189, 54-81.	3.5	399
1011	Rice Phospholipase D α is Involved in Salt Tolerance by the Mediation of H ⁺ -ATPase Activity and Transcription. <i>Journal of Integrative Plant Biology</i> , 2011, 53, 289-299.	4.1	42
1012	Evidence for a sodium efflux mechanism in the leaf cells of the seagrass <i>Zostera marina</i> L.. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 402, 56-64.	0.7	15
1013	Vegetation influences on groundwater salinity and chemical heterogeneity in a freshwater, recharge floodplain wetland, South Africa. <i>Journal of Hydrology</i> , 2011, 411, 130-139.	2.3	37
1014	Inhibition of photosystems I and II activities in salt stress-exposed Fenugreek (<i>Trigonella foenum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.7	26
1015	Effect of salt stress on plant growth and metabolism of bean plant <i>Vicia faba</i> (L.). <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2011, 10, 7-15.	1.0	181
1016	Differential responses of the antioxidant defence system and ultrastructure in a salt-adapted potato cell line. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1410-1419.	2.8	47
1017	Growth photosynthetic activity and antioxidant responses of mycorrhizal and non-mycorrhizal bajra (<i>Pennisetum glaucum</i>) crop under salinity stress condition. <i>Crop Protection</i> , 2011, 30, 265-271.	1.0	73
1018	Developing stress tolerant plants through in vitro selectionâ€™An overview of the recent progress. <i>Environmental and Experimental Botany</i> , 2011, 71, 89-98.	2.0	291
1019	Involvement of calcium-mediated effects on ROS metabolism in the regulation of growth improvement under salinity. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1221-1234.	1.3	82
1020	Arabidopsis Seed Germination Under Abiotic Stress as a Concert of Action of Phytohormones. <i>OMICS A Journal of Integrative Biology</i> , 2011, 15, 763-774.	1.0	68
1021	Rice G-protein coupled receptor (GPCR). <i>Plant Signaling and Behavior</i> , 2011, 6, 1079-1086.	1.2	18
1022	Na ⁺ and K ⁺ Transporters in Plant Signaling. <i>Signaling and Communication in Plants</i> , 2011, , 65-98.	0.5	27
1023	Introduction to Root Genomics. , 2011, , 1-10.		3
1024	Stressed food â€™ The impact of abiotic environmental stresses on crop quality. <i>Agriculture, Ecosystems and Environment</i> , 2011, 141, 271-286.	2.5	303
1025	A viviparous mutant of maize exhibiting permanent water stress symptoms. <i>Plant Growth Regulation</i> , 2011, 64, 99-108.	1.8	2
1026	Evaluation of salinity tolerance in sorghum (<i>Sorghum bicolor</i> L.) using ion accumulation, proline and peroxidase criteria. <i>Plant Growth Regulation</i> , 2011, 64, 275-285.	1.8	42
1027	Calcium can moderate changes on membrane structure and lipid composition in cowpea plants under salt stress. <i>Plant Growth Regulation</i> , 2011, 65, 55-63.	1.8	60

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1028	Transgenic potato overproducing l-ascorbic acid resisted an increase in methylglyoxal under salinity stress via maintaining higher reduced glutathione level and glyoxalase enzyme activity. <i>Biotechnology Letters</i> , 2011, 33, 2297-2307.	1.1	95
1029	Physiological effects of exogenous nitric oxide on <i>Brassica juncea</i> seedlings under NaCl stress. <i>Biologia Plantarum</i> , 2011, 55, 345-348.	1.9	38
1030	Introduction of Osglyll gene into <i>Oryza sativa</i> for increasing salinity tolerance. <i>Biologia Plantarum</i> , 2011, 55, 536-540.	1.9	42
1031	An insight into the drought stress induced alterations in plants. <i>Biologia Plantarum</i> , 2011, 55, .	1.9	76
1032	Probing the roles of LRR RLK genes in <i>Arabidopsis thaliana</i> roots using a custom T-DNA insertion set. <i>Plant Molecular Biology</i> , 2011, 76, 69-83.	2.0	90
1033	The application of a treated sugar beet waste residue to soil modifies the responses of mycorrhizal and non mycorrhizal lettuce plants to drought stress. <i>Plant and Soil</i> , 2011, 346, 153-166.	1.8	19
1034	The Vacuolar Na ⁺ /H ⁺ Antiporter Gene SsNHX1 from the Halophyte <i>Salsola soda</i> Confers Salt Tolerance in Transgenic Alfalfa (<i>Medicago sativa</i> L.). <i>Plant Molecular Biology Reporter</i> , 2011, 29, 278-290.	1.0	85
1035	Cloning and Characterization of a Ca ²⁺ /H ⁺ Antiporter from Halophyte <i>Suaeda salsa</i> L.. <i>Plant Molecular Biology Reporter</i> , 2011, 29, 449-457.	1.0	45
1036	Isolation of Salt Stress Tolerance Genes from Roots of Mangrove Plant, <i>Rhizophora stylosa</i> Griff., Using PCR-Based Suppression Subtractive Hybridization. <i>Plant Molecular Biology Reporter</i> , 2011, 29, 533-543.	1.0	43
1037	Gene Expression Profiles in Response to Salt Stress in <i>Hibiscus Tiliaceus</i> . <i>Plant Molecular Biology Reporter</i> , 2011, 29, 609-617.	1.0	33
1038	Expression Profile of Early Responsive Genes Under Salt Stress in Upland Cotton (<i>Gossypium hirsutum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	70
1039	Over-expression of a Rab family GTPase from phreatophyte <i>Prosopis juliflora</i> confers tolerance to salt stress on transgenic tobacco. <i>Molecular Biology Reports</i> , 2011, 38, 1669-1674.	1.0	25
1040	Molecular characterization and functional analysis of a vacuolar Na ⁺ /H ⁺ antiporter gene (HcNHX1) from <i>Halostachys caspica</i> . <i>Molecular Biology Reports</i> , 2011, 38, 1889-1899.	1.0	66
1041	A DREB gene from the xero-halophyte <i>Atriplex halimus</i> is induced by osmotic but not ionic stress and shows distinct differences from glycophytic homologues. <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 106, 191-206.	1.2	29
1042	Overexpression of AtNHX5 improves tolerance to both salt and water stress in rice (<i>Oryza sativa</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2011, 107, 283-293.	1.2	35
1043	<i>Arabidopsis thaliana</i> transcriptional co-activators ADA2b and SGF29a are implicated in salt stress responses. <i>Planta</i> , 2011, 233, 749-762.	1.6	75
1044	Dynamic changes in the leaf proteome of a C3 xerophyte, <i>Citrullus lanatus</i> (wild watermelon), in response to water deficit. <i>Planta</i> , 2011, 233, 947-960.	1.6	25
1045	cGMP regulates hydrogen peroxide accumulation in calcium-dependent salt resistance pathway in <i>Arabidopsis thaliana</i> roots. <i>Planta</i> , 2011, 234, 709-722.	1.6	46

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1046	Increased tolerance to salt stress in the phosphate-accumulating <i>Arabidopsis</i> mutants <i>siz1</i> and <i>pho2</i> . <i>Planta</i> , 2011, 234, 1191-1199.	1.6	56
1047	Influence of arbuscular mycorrhiza on organic solutes in maize leaves under salt stress. <i>Mycorrhiza</i> , 2011, 21, 423-430.	1.3	157
1048	Role of nitric oxide in tolerance of plants to abiotic stress. <i>Protoplasma</i> , 2011, 248, 447-455.	1.0	293
1049	Metallothionein-like gene from <i>Cicer microphyllum</i> is regulated by multiple abiotic stresses. <i>Protoplasma</i> , 2011, 248, 839-847.	1.0	52
1050	Potassium chloride and rare earth elements improve plant growth and increase the frequency of the <i>Agrobacterium tumefaciens</i> -mediated plant transformation. <i>Plant Cell Reports</i> , 2011, 30, 505-518.	2.8	25
1051	Isolation and characterization of a rice glutathione S-transferase gene promoter regulated by herbicides and hormones. <i>Plant Cell Reports</i> , 2011, 30, 539-549.	2.8	22
1052	The <i>aba3-1</i> Mutant of <i>Arabidopsis thaliana</i> Withstands Moderate Doses of Salt Stress by Modulating Leaf Growth and Salicylic Acid Levels. <i>Journal of Plant Growth Regulation</i> , 2011, 30, 456-466.	2.8	22
1053	Response to saline stress and aquaporin expression in <i>Azospirillum</i> -inoculated barley seedlings. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1389-1397.	1.7	54
1054	Investigations on N-rich protein (NRP) of <i>Arabidopsis thaliana</i> under different stress conditions. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 293-302.	2.8	21
1055	The role of tocopherol cyclase in salt stress tolerance of rice (<i>Oryza sativa</i>). <i>Science China Life Sciences</i> , 2011, 54, 181-188.	2.3	56
1056	<i>Spartina alterniflora</i> Loisel., a halophyte grass model to dissect salt stress tolerance. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2011, 47, 441-457.	0.9	28
1057	Physiological changes and essential oil composition of clary sage (<i>Salvia sclarea</i> L.) rosette leaves as affected by salinity. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 153-162.	1.0	39
1058	Leaf water relations and ion concentrations of the halophyte <i>Atriplex hortensis</i> in response to salinity and water stress. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 335-342.	1.0	25
1059	Salinity tolerance of hydroponically grown <i>Pinus pinea</i> L. seedlings. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 765-775.	1.0	9
1060	Analysis of salinity effects on basil leaf surface area, photosynthetic activity, and growth. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 823-833.	1.0	30
1061	Salt tolerance is unrelated to carbohydrate metabolism in cowpea cultivars. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 887-896.	1.0	7
1062	Salt-induced modulation in growth, photosynthetic capacity, proline content and ion accumulation in sunflower (<i>Helianthus annuus</i> L.). <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1113-1122.	1.0	72
1063	Effect of salt stress on physiological and antioxidative responses in two species of <i>Salicornia</i> (S.) Tj ETQq1 1 0.784314 rgBT /Overlock 1.0 55	1.0	55

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1064	Physio-biochemical analysis and transcript profiling of <i>Saccharum officinarum</i> L. submitted to salt stress. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1411-1424.	1.0	13
1065	Osmotic adjustment, water relations and growth attributes of the xero-halophyte <i>Reaumuria vermiculata</i> L. (Tamaricaceae) in response to salt stress. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1425-1433.	1.0	11
1066	Different antioxidant responses to salt stress in two different provenances of <i>Carthamus tinctorius</i> L. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1435-1444.	1.0	36
1067	Varied tolerance to NaCl salinity is related to biochemical changes in two contrasting lettuce genotypes. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1613-1622.	1.0	34
1068	Growth stimulation and inhibition by salt in relation to Na ⁺ manipulating genes in xero-halophyte <i>Atriplex halimus</i> L.. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1769-1784.	1.0	16
1069	The effect of 24-epibrassinolide and clotrimazole on the adaptation of <i>Cajanus cajan</i> (L.) Millsp. to salinity. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 1887-1896.	1.0	35
1070	Expression of selected heat shock proteins after individually applied and combined drought and heat stress. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 2041-2049.	1.0	43
1071	Salt tolerance analysis of <i>Arabidopsis thaliana</i> NOK2 accession under saline conditions and potassium supply. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 2083-2090.	1.0	1
1072	Case study of a biological control: <i>Geobacillus caldxylosilyticus</i> (IRD) contributes to alleviate salt stress in maize (<i>Zea mays</i> L.) plants. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 2289-2299.	1.0	13
1073	The salt-responsive transcriptome of chickpea roots and nodules via deepSuperSAGE. <i>BMC Plant Biology</i> , 2011, 11, 31.	1.6	103
1074	Back to the sea twice: identifying candidate plant genes for molecular evolution to marine life. <i>BMC Evolutionary Biology</i> , 2011, 11, 8.	3.2	88
1075	Coordination of carbon fixation and nitrogen metabolism in <i>Salicornia europaea</i> under salinity: Comparative proteomic analysis on chloroplast proteins. <i>Proteomics</i> , 2011, 11, 4346-4367.	1.3	72
1076	Salt-induced modulation in inorganic nutrients, antioxidant enzymes, proline content and seed oil composition in safflower (<i>Carthamus tinctorius</i> L.). <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 2785-2793.	1.7	26
1077	Effects of spring drought on carbon sequestration, evapotranspiration and water use efficiency in the songnen meadow steppe in northeast China. <i>Ecohydrology</i> , 2011, 4, 211-224.	1.1	97
1078	Identification of NaCl stress-responsive apoplastic proteins in rice shoot stems by 2D-DIGE. <i>Journal of Proteomics</i> , 2011, 74, 1045-1067.	1.2	57
1079	NKS1, Na ⁺ - and K ⁺ -sensitive 1, regulates ion homeostasis in an SOS-independent pathway in <i>Arabidopsis</i> . <i>Phytochemistry</i> , 2011, 72, 330-336.	1.4	12
1080	Analysis of the grasspea proteome and identification of stress-responsive proteins upon exposure to high salinity, low temperature, and abscisic acid treatment. <i>Phytochemistry</i> , 2011, 72, 1293-1307.	1.4	85
1081	Physiological responses to salinity in the yellow-horned poppy, <i>Glaucium flavum</i> . <i>Plant Physiology and Biochemistry</i> , 2011, 49, 186-194.	2.8	25

#	ARTICLE	IF	CITATIONS
1082	An Arabidopsis mutant disrupted in ASN2 encoding asparagine synthetase 2 exhibits low salt stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 623-628.	2.8	27
1083	Transgenic Strategies Toward the Development of Salt-Tolerant Plants. , 2011, , 235-274.		4
1084	Salinity effect on mineral nutrient distribution along roots and shoots of rice (<i>Oryza sativa</i> L.) genotypes differing in salt tolerance. <i>Archives of Agronomy and Soil Science</i> , 2011, 57, 33-45.	1.3	11
1085	Marine Isolates of <i>Trichoderma</i> spp. as Potential Halotolerant Agents of Biological Control for Arid-Zone Agriculture. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5100-5109.	1.4	109
1086	Ion transport and osmotic adjustment in plants and bacteria. <i>Biomolecular Concepts</i> , 2011, 2, 407-419.	1.0	104
1087	Adjustment of mineral ratio and composition in rice genotypes under varied salinity regimes. <i>Archives of Agronomy and Soil Science</i> , 2011, 57, 251-259.	1.3	1
1088	Osmosensing. <i>Signaling and Communication in Plants</i> , 2011, , 225-240.	0.5	3
1089	Response of mitochondrial thioredoxin PsTrxo1, antioxidant enzymes, and respiration to salinity in pea (<i>Pisum sativum</i> L.) leaves. <i>Journal of Experimental Botany</i> , 2011, 62, 3863-3874.	2.4	89
1090	Photosynthetic responses of a salt secretor mangrove, <i>Avicennia germinans</i> , exposed to salinity stress. <i>Aquatic Ecosystem Health and Management</i> , 2011, 14, 285-290.	0.3	4
1091	Genome-scale transcriptome analysis of the desert poplar, <i>Populus euphratica</i> . <i>Tree Physiology</i> , 2011, 31, 452-461.	1.4	179
1092	Plant Responses to Saline and Sodic Conditions. , 2011, , 169-205.		32
1093	Ameliorative Effect of Foliar Nutrient Supply on Growth, Inorganic Ions, Membrane Permeability, and Leaf Relative Water Content of <i>Physalis</i> Plants under Salinity Stress. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 408-423.	0.6	12
1094	Overexpression of AtNHX5 improves tolerance to both salt and drought stress in <i>Broussonetia papyrifera</i> (L.) Vent. <i>Tree Physiology</i> , 2011, 31, 349-357.	1.4	54
1095	Mapping Salinity Tolerance during <i>Arabidopsis thaliana</i> Germination and Seedling Growth. <i>PLoS ONE</i> , 2011, 6, e22832.	1.1	66
1096	Sodium and chloride exclusion and retention by non-grafted and grafted melon and <i>Cucurbita</i> plants. <i>Journal of Experimental Botany</i> , 2011, 62, 177-184.	2.4	88
1097	TaABC1, a member of the activity of bc1 complex protein kinase family from common wheat, confers enhanced tolerance to abiotic stresses in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 1299-1311.	2.4	56
1098	Growth, Water Status, and Nutrient Accumulation of Seedlings of <i>Tamarindus indica</i> Linn. in Response to Soil Salinity. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 1675-1691.	0.6	2
1099	The impact of heat and water stress conditions on the growth of the biofuel plant <i>Jatropha curcas</i> . <i>International Journal of Environmental Studies</i> , 2012, 69, 273-288.	0.7	21

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1100	The oxidative stress caused by NaCl in <i>Azolla caroliniana</i> is mitigated by nitrate. <i>Journal of Plant Interactions</i> , 2012, 7, 356-366.	1.0	7
1101	The new understanding of <i>Arabidopsis thaliana</i> proteins associated with salinity. <i>Journal of Plant Interactions</i> , 2012, 7, 348-355.	1.0	4
1102	Comparison of the Influence of 28-Homobrassinolide and 24-Epibrassinolide on Nitrate Reductase Activity, Proline Content, and Antioxidative Enzymes of Tomato. <i>International Journal of Vegetable Science</i> , 2012, 18, 161-170.	0.6	8
1103	Growth and Physiological Responses of <i>Phaseolus</i> Species to Salinity Stress. <i>International Journal of Agronomy</i> , 2012, 2012, 1-13.	0.5	31
1104	Growth, photosynthetic activity, and potassium and sodium concentration in rice plants under salt stress. <i>Acta Scientiarum - Agronomy</i> , 2012, 34, .	0.6	19
1105	Effect of supplemental Ca ²⁺ on NaCl-stressed castor plants (<i>Ricinus communis</i> L.). <i>Acta Botanica Croatica</i> , 2012, 71, 13-29.	0.3	8
1106	Molecular Responses of Plants to Stress Conditions. <i>Turk Hijyen Ve Deneysel Biyoloji Dergisi Turkish Bulletin of Hygiene and Experimental Biology</i> , 2012, 69, 97-110.	0.1	38
1107	A comparison of hydroponic and soil-based screening methods to identify salt tolerance in the field in barley. <i>Journal of Experimental Botany</i> , 2012, 63, 3853-3867.	2.4	67
1108	Stress-Induced GSK3 Regulates the Redox Stress Response by Phosphorylating Glucose-6-Phosphate Dehydrogenase in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3380-3392.	3.1	151
1109	Exogenous glycine betaine and proline play a protective role in heat-stressed barley leaves (<i>Hordeum vulgare</i> L.): A chlorophyll fluorescence study. <i>Plant Biosystems</i> , 2012, 146, 1037-1043.	0.8	58
1110	The jasmonate pathway mediates salt tolerance in grapevines. <i>Journal of Experimental Botany</i> , 2012, 63, 2127-2139.	2.4	147
1111	Molecular Cloning and Identification of Genes Encoding Eukaryotic Initiation Factor Family 1 (LcelF1,) Tj ETQq1 1 0.784314 rgBT /Ove		
1112	Transcriptional profiling analysis in <i>Populus yunnanensis</i> provides insights into molecular mechanisms of sexual differences in salinity tolerance. <i>Journal of Experimental Botany</i> , 2012, 63, 3709-3726.	2.4	43
1113	<i>Paxillus involutus</i> Strains MAJ and NAU Mediate K ⁺ /Na ⁺ Homeostasis in Ectomycorrhizal <i>Populus canescens</i> under Sodium Chloride Stress. <i>Plant Physiology</i> , 2012, 159, 1771-1786.	2.3	69
1114	Ecophysiological responses of the salt marsh grass <i>Spartina maritima</i> to salinity. <i>African Journal of Aquatic Science</i> , 2012, 37, 81-88.	0.5	28
1115	Effect of NaCl stress on rice physiological properties. <i>Archives of Phytopathology and Plant Protection</i> , 2012, 45, 228-243.	0.6	5
1116	Caspase-like enzymatic activity and the ascorbate-glutathione cycle participate in salt stress tolerance of maize conferred by exogenously applied nitric oxide. <i>Plant Signaling and Behavior</i> , 2012, 7, 349-360.	1.2	45
1117	Effect of Aluminium Toxicity on Growth Responses and Antioxidant Activities In <i>Gmelina arborea</i> Roxb. Inoculated with am Fungi. <i>International Journal of Phytoremediation</i> , 2012, 14, 643-655.	1.7	23

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1118	Anti-oxidative responses of salt-tolerant and salt-sensitive pepper (<i>Capsicum annuum</i> L.) genotypes grown under salt stress. <i>Journal of Horticultural Science and Biotechnology</i> , 2012, 87, 360-366.	0.9	4
1119	Micorriza arbuscular e a tolerância das plantas ao estresse. <i>Revista Brasileira De Ciencia Do Solo</i> , 2012, 36, 1663-1679.	0.5	39
1120	Humic acid application alleviate salinity stress of bean (<i>Phaseolus vulgaris</i> L.) plants decreasing membrane leakage. <i>African Journal of Agricultural Research</i> Vol Pp, 2012, 7, .	0.2	86
1121	Effect of Electrical Conductivity and Silicate on Infection of Basil with <i>Colletotrichum gloeosporioides</i> in Soilless Culture. <i>Journal of Phytopathology</i> , 2012, 160, 655-660.	0.5	1
1122	Abiotic Stress Responses in Plants: An Overview. , 2012, , 1-28.		71
1123	The American Halophyte <i>Prosopis strombulifera</i> , a New Potential Source to Confer Salt Tolerance to Crops. , 2012, , 115-143.		5
1124	Salinity-induced changes in protein expression in the halophytic plant <i>Nitraria sphaerocarpa</i> . <i>Journal of Proteomics</i> , 2012, 75, 5226-5243.	1.2	25
1125	THE ROLE OF CALCIUM IN PLANTS' SALT TOLERANCE. <i>Journal of Plant Nutrition</i> , 2012, 35, 2037-2054.	0.9	74
1126	Comparative Study of Alkaline, Saline, and Mixed Saline "Alkaline Stresses with Regard to Their Effects on Growth, Nutrient Accumulation, and Root Morphology of <i>Lotus tenuis</i> . <i>Journal of Plant Growth Regulation</i> , 2012, 31, 448-459.	2.8	57
1127	Effects of exogenous glucose on seed germination and antioxidant capacity in wheat seedlings under salt stress. <i>Plant Growth Regulation</i> , 2012, 68, 177-188.	1.8	114
1128	Molecular cloning, characteristics and low temperature response of raffinose synthase gene in <i>Cucumis sativus</i> L.. <i>Journal of Plant Physiology</i> , 2012, 169, 1883-1891.	1.6	50
1129	Interaction Between Salt Stress and Angular Leaf Spot (<i>pseudomonas syringae</i> pv <i>lachrymans</i>) in Cucumber. <i>Vegetable Crops Research Bulletin</i> , 2012, 77, 5-16.	0.2	8
1130	Increasing Nitric Oxide Content in <i>Arabidopsis thaliana</i> by Expressing Rat Neuronal Nitric Oxide Synthase Resulted in Enhanced Stress Tolerance. <i>Plant and Cell Physiology</i> , 2012, 53, 344-357.	1.5	133
1131	INTERACTIVE EFFECTS OF SALINITY AND PHOSPHORUS NUTRITION ON PHYSIOLOGICAL RESPONSES OF TWO BARLEY SPECIES. <i>Journal of Plant Nutrition</i> , 2012, 35, 1411-1428.	0.9	18
1132	Transcriptome Characterization and Sequencing-Based Identification of Salt-Responsive Genes in <i>Millettia pinnata</i> , a Semi-Mangrove Plant. <i>DNA Research</i> , 2012, 19, 195-207.	1.5	68
1133	Mechanisms and models of the active transport of ions and the transformation of energy in intracellular compartments. <i>Progress in Biophysics and Molecular Biology</i> , 2012, 109, 33-57.	1.4	26
1134	An Insight into the Role of Salicylic Acid and Jasmonic Acid in Salt Stress Tolerance. , 2012, , 277-300.		54
1135	MicroRNAs and their diverse functions in plants. <i>Plant Molecular Biology</i> , 2012, 80, 17-36.	2.0	272

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1136	TsHKT1;2, a HKT1 Homolog from the Extremophile Arabidopsis Relative <i>Thellungiella salsuginea</i> , Shows K ⁺ Specificity in the Presence of NaCl. <i>Plant Physiology</i> , 2012, 158, 1463-1474.	2.3	161
1137	Studying Plant Salt Tolerance with the Voltage Clamp Technique. , 2012, 913, 19-33.		0
1138	Phospholipases C and D Modulate Proline Accumulation in <i>Thellungiella halophila/salsuginea</i> Differently According to the Severity of Salt or Hyperosmotic Stress. <i>Plant and Cell Physiology</i> , 2012, 53, 183-192.	1.5	53
1139	Uptake of Mineral Elements During Abiotic Stress. , 2012, , 267-281.		9
1140	Identification of SNP Mutations in DREB1, HKT1, and WRKY1 Genes Involved in Drought and Salt Stress Tolerance in Durum Wheat (<i>Triticum turgidum</i> L. var durum). <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 178-187.	1.0	42
1141	The vacuolar Na ⁺ - H ⁺ antiport gene TaNHX2 confers salt tolerance on transgenic alfalfa (<i>Medicago</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 39	1.1	39
1142	ABA signal transduction from ABA receptors to ion channels. <i>Genes and Genomics</i> , 2012, 34, 345-353.	0.5	12
1143	Optimizing parameters of salinity stress reduction function using the relationship between root-water-uptake and root nitrogen mass of winter wheat. <i>Agricultural Water Management</i> , 2012, 104, 142-152.	2.4	24
1144	SOS1 gene overexpression increased salt tolerance in transgenic tobacco by maintaining a higher K ⁺ /Na ⁺ ratio. <i>Journal of Plant Physiology</i> , 2012, 169, 255-261.	1.6	170
1145	Identification and profiling of salinity stress-responsive proteins in <i>Sorghum bicolor</i> seedlings. <i>Journal of Proteomics</i> , 2012, 75, 4139-4150.	1.2	90
1146	Identification of genes associated with adaptation to NaCl toxicity in perennial ryegrass (<i>Lolium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 39	2.9	17
1147	Identification and characterization of low temperature stress responsive genes in <i>Poncirus trifoliata</i> by suppression subtractive hybridization. <i>Gene</i> , 2012, 492, 220-228.	1.0	33
1148	Improvement of paper mulberry tolerance to abiotic stresses by ectopic expression of tall fescue FaDREB1. <i>Tree Physiology</i> , 2012, 32, 104-113.	1.4	19
1149	Endophytic fungal association via gibberellins and indole acetic acid can improve plant growth under abiotic stress: an example of <i>Paecilomyces formosus</i> LHL10. <i>BMC Microbiology</i> , 2012, 12, 3.	1.3	287
1150	Comparative proteomic analysis of early salt stress-responsive proteins in roots of SnRK2 transgenic rice. <i>Proteome Science</i> , 2012, 10, 25.	0.7	89
1151	Response of Onion (<i>Allium cepa</i> L.) Seed Germination and Early Seedling Development to Salt Level. <i>International Journal of Vegetable Science</i> , 2012, 18, 3-19.	0.6	3
1152	EFFECTS OF SALINE WATER ON WATER STATUS, YIELD AND FRUIT QUALITY OF WILD (<i>SOLANUM</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 39 TOMATOES. <i>Experimental Agriculture</i> , 2012, 48, 573-586.	0.4	20
1153	Effect of Micronutrient Deficiencies on Plants Stress Responses. , 2012, , 283-329.		61

#	ARTICLE	IF	CITATIONS
1154	Transcription Factors and Genes in Abiotic Stress. , 2012, , 317-357.		7
1155	Abiotic Stress Tolerant Crops: Genes, Pathways and Bottlenecks. , 2012, , 1-17.		0
1156	Transgenic plants for abiotic stress tolerance: current status. Archives of Agronomy and Soil Science, 2012, 58, 693-721.	1.3	31
1157	Occurrence of Pipecolic Acid and Pipecolic Acid Betaine (Homostachydrine) in Citrus Genus Plants. Journal of Agricultural and Food Chemistry, 2012, 60, 315-321.	2.4	42
1158	Genome-Wide Transcriptional Reprogramming Under Drought Stress. , 2012, , 273-289.		3
1159	Variation in Salt Tolerance of Wheat Cultivars: Role of Glycinebetaine and Ethylene. Pedosphere, 2012, 22, 746-754.	2.1	92
1160	Effect of Ascorbic Acid and Silicium on Photosynthesis, Antioxidant Enzyme Activity, and Fatty Acid Contents in Canola Exposure to Salt Stress. Journal of Integrative Agriculture, 2012, 11, 1610-1620.	1.7	67
1161	Interactive role of nitric oxide and calcium chloride in enhancing tolerance to salt stress. Nitric Oxide - Biology and Chemistry, 2012, 27, 210-218.	1.2	177
1162	Model analysing the antioxidant responses of leaves and roots of switchgrass to NaCl-salinity stress. Plant Physiology and Biochemistry, 2012, 58, 288-296.	2.8	62
1163	Calcium Signalling in Plant Cells Under Environmental Stress. , 2012, , 325-360.		18
1164	Proteomic studies of the abiotic stresses response in model moss " Physcomitrella patens. Frontiers in Plant Science, 2012, 3, 258.	1.7	24
1168	Effect of salt stress on growth parameters, enzymatic antioxidant system, and lipid peroxidation in wild chicory (Cichorium intybus L.). Acta Physiologiae Plantarum, 2012, 34, 2349-2358.	1.0	50
1169	Physiological and molecular aspects of salt stress in plants. Cytology and Genetics, 2012, 46, 302-318.	0.2	112
1171	Saline water irrigation effects on soil salinity distribution and some physiological responses of field grown Chemlali olive. Journal of Environmental Management, 2012, 113, 538-544.	3.8	69
1172	Isolation and Characterization of Maize PMP3 Genes Involved in Salt Stress Tolerance. PLoS ONE, 2012, 7, e31101.	1.1	49
1173	Analysis of the Secretomes of Paracoccidioides Mycelia and Yeast Cells. PLoS ONE, 2012, 7, e52470.	1.1	72
1174	Effect of Plant Growth-promoting Rhizobacteria (PGPRs) on plant growth, yield, and quality of tomato (Lycopersicon esculentum Mill.) under simulated seawater irrigation. Journal of General and Applied Microbiology, 2012, 58, 253-262.	0.4	39
1175	Effect of salinity and molybdenum application on photosynthesis, nitrogenase activity and yield of barley inoculated with Azospirillum brasilense. Cereal Research Communications, 2012, 40, 235-245.	0.8	3

#	ARTICLE	IF	CITATIONS
1176	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
1177	Effect of salt on the growth and metabolism of <i>Glycine max.</i> <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 809-817.	0.5	26
1178	Silicon mediated biochemical changes in wheat under salinized and non-salinized solution cultures. <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	6
1179	Physiological and biochemical responses to drought stress in Barbados cherry. <i>Brazilian Journal of Plant Physiology</i> , 2012, 24, 181-192.	0.5	30
1181	Application of Temperature Stress to Root Zone of Spinach III. Effective Method for Short Term Application of Low and High Temperature Stresses to Roots. <i>Environmental Control in Biology</i> , 2012, 50, 199-207.	0.3	8
1182	Relationship of leaf ultrastructure of mangrove <i>Kandelia candel</i> (L.) Druce to salt tolerance. <i>Journal of Forest Science</i> , 2005, 51, 476-480.	0.5	14
1183	Modulation of polyamine catabolism in pea seedlings by calcium during salinity stress. <i>Plant Protection Science</i> , 2012, 48, 53-64.	0.7	7
1184	Rationality of using various physiological and yield related traits in determining salt tolerance in wheat. <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	2
1185	Augmenting the salt tolerance in wheat (<i>Triticum aestivum</i>) through exogenously applied silicon. <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	4
1186	Effects of Salinity on Vegetable Growth and Nutrients Uptake. , 2012, , .		9
1187	Is salinity tolerance of rice lines concerned to endogenous ABA content or to the cellular ability for ABA synthesis under stress?. <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	0
1188	Supplemental Ca ²⁺ does not improve growth but it affects nutrient uptake in NaCl-stressed cowpea plants. <i>Brazilian Journal of Plant Physiology</i> , 2012, 24, 9-18.	0.5	9
1189	Efeito do estresse salino na absorçãõ de nutrientes em mangueira. <i>Revista Brasileira De Fruticultura</i> , 2012, 34, 297-308.	0.2	16
1190	Effect of Mannitol and Sodium Chloride on Some Total Secondary Metabolites of Fenugreek Calli Cultured In vitro. <i>Plant Tissue Culture and Biotechnology</i> , 2012, 21, 35-43.	0.1	16
1191	Accumulation of antioxidants and antioxidant activity in tomato, <i>Solanum lycopersicum</i> , are enhanced by the transcription factor SLICE1. <i>Plant Biotechnology</i> , 2012, 29, 261-269.	0.5	26
1192	Identification of mRNA transcript and screening of amino acids in response to interaction of salinity and nitrate in aquatic fern <i>Azolla caroliniana</i> . <i>Acta Biologica Hungarica</i> , 2012, 63, 250-267.	0.7	0
1193	Effect of salinity, salicylic acid, silicium and ascorbic acid on lipid peroxidation, antioxidant enzyme activity and fatty acid content of sunflower. <i>African Journal of Agricultural Research Vol Pp</i> , 2012, 7, .	0.2	7
1194	NADP-Dependent Isocitrate Dehydrogenase from <i>Arabidopsis</i> Roots Contributes in the Mechanism of Defence against the Nitro-Oxidative Stress Induced by Salinity. <i>Scientific World Journal, The</i> , 2012, 2012, 1-9.	0.8	51

#	ARTICLE	IF	CITATIONS
1195	Salt Tolerance Study of Six Cultivars of Rice (<i>Oryza sativa</i> L.) During Germination and Early Seedling Growth. <i>Journal of Agricultural Science</i> , 2012, 5, .	0.1	16
1196	Proteomic analysis of salt-responsive ubiquitin-related proteins in rice roots. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1649-1660.	0.7	58
1197	Characterization of a Novel Y2K-type Dehydrin VrDhn1 from <i>Vigna radiata</i> . <i>Plant and Cell Physiology</i> , 2012, 53, 930-942.	1.5	46
1198	Application of Non-invasive Microelectrode Flux Measurements in Plant Stress Physiology. , 2012, , 91-126.		8
1199	Osmoregulators proline and glycine betaine counteract salinity stress in canola. <i>Agronomy for Sustainable Development</i> , 2012, 32, 747-754.	2.2	32
1200	Water Deficit and Salt Stress Diagnosis Through LED Induced Chlorophyll Fluorescence Analysis in <i>Jatropha curcas</i> L.. <i>Journal of Fluorescence</i> , 2012, 22, 623-630.	1.3	11
1201	Use of trehalose metabolism as a biochemical marker in rice breeding. <i>Molecular Breeding</i> , 2012, 30, 469-477.	1.0	25
1202	Gene expression profiling of <i>Sinapis alba</i> leaves under drought stress and rewatering growth conditions with Illumina deep sequencing. <i>Molecular Biology Reports</i> , 2012, 39, 5851-5857.	1.0	21
1203	Dissection of genetic overlap of drought and low-temperature tolerance QTLs at the germination stage using backcross introgression lines in soybean. <i>Molecular Biology Reports</i> , 2012, 39, 6087-6094.	1.0	23
1204	Isolation, molecular characterization, and functional analysis of the vacuolar Na ⁺ /H ⁺ antiporter genes from the halophyte <i>Karelinia caspica</i> . <i>Molecular Biology Reports</i> , 2012, 39, 7193-7202.	1.0	19
1205	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
1206	Changes in physiology and protein abundance in salt-stressed wheat chloroplasts. <i>Molecular Biology Reports</i> , 2012, 39, 9059-9074.	1.0	93
1207	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
1208	Identification and characterization of differentially expressed genes in the halophyte <i>Halostachys caspica</i> under salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 1-12.	1.2	10
1209	Screening sugarcane (<i>Saccharum</i> sp.) genotypes for salt tolerance using multivariate cluster analysis. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 23-33.	1.2	32
1210	The effect of CO ₂ and salinity on the cultivation of <i>Scenedesmus obliquus</i> for biodiesel production. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 591-597.	1.4	102
1211	Transcriptional regulations of the genes of starch metabolism and physiological changes in response to salt stress rice (<i>Oryza sativa</i> L.) seedlings. <i>Physiology and Molecular Biology of Plants</i> , 2012, 18, 197-208.	1.4	21
1212	Tolerance of Mediterranean seagrasses (<i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i>) to hypersaline stress: water relations and osmolyte concentrations. <i>Marine Biology</i> , 2012, 159, 1129-1141.	0.7	49

#	ARTICLE	IF	CITATIONS
1213	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
1214	Protein and enzymes regulations towards salt tolerance of some Indian mangroves in relation to adaptation. <i>Trees - Structure and Function</i> , 2012, 26, 377-391.	0.9	19
1215	Overexpression of Arabidopsis thaliana Na ⁺ /H ⁺ antiporter gene enhanced salt resistance in transgenic poplar (<i>Populus trichocarpa</i> × <i>Populus euramericana</i> 'Neva'™). <i>Trees - Structure and Function</i> , 2012, 26, 685-694.	0.9	43
1216	New CuCl ₂ -induced glucoside esters and other constituents from <i>Portulaca oleracea</i> . <i>Carbohydrate Research</i> , 2012, 351, 68-73.	1.1	23
1217	Free amino acid profiling in grain Amaranth using LC-MS/MS. <i>Food Chemistry</i> , 2012, 134, 2565-2569.	4.2	72
1218	Impairment of maize seedling photosynthesis caused by a combination of potassium deficiency and salt stress. <i>Environmental and Experimental Botany</i> , 2012, 75, 134-141.	2.0	105
1219	Low stomatal density and reduced transpiration facilitate strawberry adaptation to salinity. <i>Environmental and Experimental Botany</i> , 2012, 81, 1-10.	2.0	90
1220	The mitigation effects of exogenous melatonin on salinity-induced stress in <i>Malus hupehensis</i> . <i>Journal of Pineal Research</i> , 2012, 53, 298-306.	3.4	444
1221	Identification at the species and symbiotype levels of strains nodulating <i>Phaseolus vulgaris</i> in saline soils of the Marrakech region (Morocco) and analysis of the <i>otsA</i> gene putatively involved in osmotolerance. <i>Systematic and Applied Microbiology</i> , 2012, 35, 156-164.	1.2	28
1222	Sodium instead of potassium and chloride is an important macronutrient to improve leaf succulence and shoot development for halophyte <i>Sesuvium portulacastrum</i> . <i>Plant Physiology and Biochemistry</i> , 2012, 51, 53-62.	2.8	66
1223	Multiple compartmentalization of sodium conferred salt tolerance in <i>Salicornia europaea</i> . <i>Plant Physiology and Biochemistry</i> , 2012, 51, 47-52.	2.8	128
1224	The tolerance of <i>Jatropha curcas</i> seedlings to NaCl: An ecophysiological analysis. <i>Plant Physiology and Biochemistry</i> , 2012, 54, 34-42.	2.8	50
1225	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
1226	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
1227	Comparison of salt stress resistance genes in transgenic <i>Arabidopsis thaliana</i> indicates that extent of transcriptomic change may not predict secondary phenotypic or fitness effects. <i>Plant Biotechnology Journal</i> , 2012, 10, 284-300.	4.1	34
1228	Enhanced salt stress tolerance of rice plants expressing a vacuolar H ⁺ -ATPase subunit <i>c1</i> (<i>SaVHAc1</i>) gene from the halophyte grass <i>Spartina alterniflora</i> L'Herit. <i>Plant Biotechnology Journal</i> , 2012, 10, 453-464.	4.1	128
1229	Manipulation of monoubiquitin improves salt tolerance in transgenic tobacco. <i>Plant Biology</i> , 2012, 14, 315-324.	1.8	15
1230	Impact of PGPR inoculation on growth and antioxidant status of wheat under saline conditions. <i>Plant Biology</i> , 2012, 14, 605-611.	1.8	330

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1231	Isolation and characterisation of <i>Chrysanthemum crassum</i> SOS1, encoding a putative plasma membrane Na ⁺ /H ⁺ antiporter. <i>Plant Biology</i> , 2012, 14, 706-713.	1.8	46
1232	Identification and characterization of a salt stress-inducible zinc finger protein from <i>Festuca arundinacea</i> . <i>BMC Research Notes</i> , 2012, 5, 66.	0.6	26
1233	Salicylic acid minimizes nickel and/or salinity-induced toxicity in Indian mustard (<i>Brassica juncea</i>) through an improved antioxidant system. <i>Environmental Science and Pollution Research</i> , 2012, 19, 8-18.	2.7	90
1234	Salinity Effects on Germination and Plant Growth of Prairie Cordgrass and Switchgrass. <i>Bioenergy Research</i> , 2012, 5, 225-235.	2.2	69
1235	Identification of drought stress-responsive genes from drought-tolerant groundnut cultivar (<i>Arachis hypogaea</i> L. cv K-134) through analysis of subtracted expressed sequence tags. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 361-377.	1.0	7
1236	Effect of NaCl on fatty acids, phenolics and antioxidant activity of <i>Nigella sativa</i> organs. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 379-386.	1.0	6
1237	Physiological and molecular responses of two <i>Arabidopsis</i> accessions to calcium amendment and salt constraint. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 439-450.	1.0	5
1238	<i>Arabidopsis</i> MKKK20 is involved in osmotic stress response via regulation of MPK6 activity. <i>Plant Cell Reports</i> , 2012, 31, 217-224.	2.8	71
1239	Overexpression of a vacuolar H ⁺ -pyrophosphatase and a B subunit of H ⁺ -ATPase cloned from the halophyte <i>Halostachys caspica</i> improves salt tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 108, 63-71.	1.2	34
1240	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
1241	Role of hydrogen peroxide in regulating glucose-6-phosphate dehydrogenase activity under salt stress. <i>Biologia Plantarum</i> , 2012, 56, 313-320.	1.9	15
1242	Signal transduction during cold, salt, and drought stresses in plants. <i>Molecular Biology Reports</i> , 2012, 39, 969-987.	1.0	719
1243	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
1244	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
1245	Molecular cloning of a stress-responsive aldehyde dehydrogenase gene ScALDH21 from the desiccation-tolerant moss <i>Syntrichia caninervis</i> and its responses to different stresses. <i>Molecular Biology Reports</i> , 2012, 39, 2645-2652.	1.0	26
1246	Isolation and functional characterization of a <i>Medicago sativa</i> L. gene, MsLEA3-1. <i>Molecular Biology Reports</i> , 2012, 39, 2883-2892.	1.0	17
1247	Cumulative effect of nitrogen and sulphur on <i>Brassica juncea</i> L. genotypes under NaCl stress. <i>Protoplasma</i> , 2012, 249, 139-153.	1.0	69
1248	Sodium transport and mechanism(s) of sodium tolerance in <i>Frankia</i> strains. <i>Journal of Basic Microbiology</i> , 2013, 53, 163-174.	1.8	11

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1249	Salt and genotype impact on antioxidative enzymes and lipid peroxidation in two rice cultivars during de-etiolation. <i>Protoplasma</i> , 2013, 250, 209-222.	1.0	77
1250	Generation and analysis of expressed sequence tags from the salt-tolerant eelgrass species, <i>Zostera marina</i> . <i>Acta Oceanologica Sinica</i> , 2013, 32, 68-78.	0.4	14
1251	<i>Sesuvium portulacastrum</i> , a plant for drought, salt stress, sand fixation, food and phytoremediation. A review. <i>Agronomy for Sustainable Development</i> , 2013, 33, 329-348.	2.2	67
1252	Characterization of the NADP-malic enzymes in the woody plant <i>Populus trichocarpa</i> . <i>Molecular Biology Reports</i> , 2013, 40, 1385-1396.	1.0	9
1253	Modulatory effects of <i>Mesorhizobium tianshanense</i> and <i>Glomus intraradices</i> on plant proline and polyamine levels during early plant response of <i>Lotus tenuis</i> to salinity. <i>Plant and Soil</i> , 2013, 364, 69-79.	1.8	20
1254	Molecular Characterization of <i>Chenopodium album</i> Chloroplast Small Heat Shock Protein and Its Expression in Response to Different Abiotic Stresses. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 1230-1241.	1.0	19
1255	Progress in Botany. <i>Progress in Botany Fortschritte Der Botanik</i> , 2013, , .	0.1	0
1256	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
1257	Regulation of some carbohydrate metabolism-related genes, starch and soluble sugar contents, photosynthetic activities and yield attributes of two contrasting rice genotypes subjected to salt stress. <i>Protoplasma</i> , 2013, 250, 1157-1167.	1.0	105
1258	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
1259	Differential salt-stress response during germination and vegetative growth in in vitro selected somaclonal mutants of <i>Cenchrus ciliaris</i> L.. <i>South African Journal of Botany</i> , 2013, 87, 157-163.	1.2	13
1260	Comparison Between the Water and Salt Stress Effects on Plant Growth and Development. , 0, , .		86
1261	Cloning, functional characterisation and transgenic manipulation of vitamin E biosynthesis genes of wheat. <i>Functional Plant Biology</i> , 2013, 40, 1129.	1.1	8
1262	Role of Silicon in Alleviating Salt-Induced Toxicity in White Clover. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 213-216.	1.3	17
1264	How the Nucleus and Mitochondria Communicate in Energy Production During Stress: Nuclear MtATP6, an Early-Stress Responsive Gene, Regulates the Mitochondrial F1FO-ATP Synthase Complex. <i>Molecular Biotechnology</i> , 2013, 54, 756-769.	1.3	26
1265	Comparative Study of SOS2 and a Novel PMP3-1 Gene Expression in Two Sunflower (<i>Helianthus annuus</i>) Tj ETQq1 1 0.784314 rgBT / Ov 1.4 8		
1266	Molecular characterization of cold stress-related transcription factors, CaEREBP-C1, -C2, -C3, and CaWRKY1A from <i>Capsicum annuum</i> L.. <i>Journal of Plant Biology</i> , 2013, 56, 106-114.	0.9	3
1267	Different relative humidity conditions combined with chloride and sulfate salinity treatments modify abscisic acid and salicylic acid levels in the halophyte <i>Prosopis strombulifera</i> . <i>Plant Growth Regulation</i> , 2013, 70, 247-256.	1.8	42

#	ARTICLE	IF	CITATIONS
1268	GmPOI gene encoding a Pollen_Ole_e_I conserved domain is involved in response of soybean to various stresses. <i>Biologia Plantarum</i> , 2013, 57, 85-90.	1.9	4
1269	Factors involved in the rise of phosphoenolpyruvate carboxylase-kinase activity caused by salinity in sorghum leaves. <i>Planta</i> , 2013, 237, 1401-1413.	1.6	31
1270	Co-treatment effect of triadimefon and salt stress on antioxidant responses, NHX1 and LEA expression in two alfalfa cultivars (<i>Medicago sativa</i> L.) under in vitro culture. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2013, 56, 409-417.	0.9	0
1271	Jasmonate signaling in plant development and defense response to multiple (a)biotic stresses. <i>Plant Cell Reports</i> , 2013, 32, 1085-1098.	2.8	263
1272	Glucose-6-phosphate dehydrogenase plays a pivotal role in tolerance to drought stress in soybean roots. <i>Plant Cell Reports</i> , 2013, 32, 415-429.	2.8	71
1273	Salt stress, signalling and redox control in seeds. <i>Functional Plant Biology</i> , 2013, 40, 848.	1.1	33
1274	Balancing salinity stress responses in halophytes and non-halophytes: a comparison between <i>Thellungiella</i> and <i>Arabidopsis thaliana</i> . <i>Functional Plant Biology</i> , 2013, 40, 819.	1.1	63
1275	Abscisic acid, indole-3-acetic acid and mineral nutrient changes induced by drought and salinity in longan (<i>Dimocarpus longan</i> Lour.) plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3137-3146.	1.0	7
1276	Physiological adaptive mechanisms of plants grown in saline soil and implications for sustainable saline agriculture in coastal zone. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2867-2878.	1.0	159
1277	Regulation of the inward rectifying K ⁺ channel MIRK and ion distribution in two melon cultivars (<i>Cucumis melo</i> L.) under NaCl salinity stress. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2789-2800.	1.0	8
1278	Inductive responses of some organic metabolites for osmotic homeostasis in peanut (<i>Arachis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342	1.0	47
1279	Increased Na ⁺ and Cl ⁻ accumulation induced by NaCl salinity inhibits cotyledonary reserve mobilization and alters the source-sink relationship in establishing dwarf cashew seedlings. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2171-2182.	1.0	21
1280	Influence of inorganic nitrogen sources on K ⁺ /Na ⁺ homeostasis and salt tolerance in sorghum plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 841-852.	1.0	21
1281	Combination of ammonium nitrate, cerium chloride and potassium chloride salts improves <i>Agrobacterium tumefaciens</i> -mediated transformation of <i>Nicotiana tabacum</i> . <i>Plant Biotechnology Reports</i> , 2013, 7, 147-154.	0.9	0
1282	Salt-induced modulation in growth, photosynthesis and antioxidant system in two varieties of <i>Brassica juncea</i> . <i>Saudi Journal of Biological Sciences</i> , 2013, 20, 183-193.	1.8	74
1283	Expression of a <i>Medicago falcata</i> small GTPase gene, MfARL1 enhanced tolerance to salt stress in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 63, 227-235.	2.8	17
1284	Effects of Salt Stress on Photosynthesis Under Ambient and Elevated Atmospheric CO ₂ Concentration. , 2013, , 377-413.		4
1285	ΔAminobutyric acid transaminase deficiency impairs central carbon metabolism and leads to cell wall defects during salt stress in <i>Arabidopsis</i> roots. <i>Plant, Cell and Environment</i> , 2013, 36, 1009-1018.	2.8	109

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1286	Ameliorating effects of hormone and Cu on salt stressed <i>Brassica nigra</i> (L.) Koch with reference to growth and biochemical characteristics. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 613-626.	0.6	0
1287	LcSAIN1, a Novel Salt-Induced Gene from Sheep Grass, Confers Salt Stress Tolerance in Transgenic <i>Arabidopsis</i> and Rice. <i>Plant and Cell Physiology</i> , 2013, 54, 1172-1185.	1.5	32
1288	Moisture stress induced increases in the activity of enzymes of osmolytes biosynthesis are associated with stress tolerance in wheat genotypes. <i>Indian Journal of Plant Physiology</i> , 2013, 18, 223-230.	0.8	6
1289	In vitro screening for NaCl tolerance of some soybean genotypes. <i>Indian Journal of Plant Physiology</i> , 2013, 18, 367-371.	0.8	3
1290	Effect of salt stress on seedling growth and antioxidant enzymes in two contrasting rice introgression lines. <i>Indian Journal of Plant Physiology</i> , 2013, 18, 360-366.	0.8	7
1292	Genotypic differentiation in the stomatal response to salinity and contrasting photosynthetic and photoprotection responses in five olive (<i>Olea europaea</i> L.) cultivars. <i>Scientia Horticulturae</i> , 2013, 160, 129-138.	1.7	18
1296	Full spectrum X-ray mapping reveals differential localization of salt in germinating seeds of differing salt tolerance. <i>Botanical Journal of the Linnean Society</i> , 2013, 173, 129-142.	0.8	19
1297	De novo characterization of the <i>Anthurium</i> transcriptome and analysis of its digital gene expression under cold stress. <i>BMC Genomics</i> , 2013, 14, 827.	1.2	78
1298	Effect of drought and combined drought and heat stress on polyamine metabolism in proline-over-producing tobacco plants. <i>Plant Physiology and Biochemistry</i> , 2013, 73, 7-15.	2.8	118
1299	Multiple stressors in periphyton – comparison of observed and predicted tolerance responses to high ionic loads and herbicide exposure. <i>Journal of Applied Ecology</i> , 2013, 50, 1459-1468.	1.9	28
1300	Salt tolerance of halophytes, research questions reviewed in the perspective of saline agriculture. <i>Environmental and Experimental Botany</i> , 2013, 92, 83-95.	2.0	180
1301	Physiological and Biochemical Responses Reveal the Drought Tolerance Efficacy of the Halophyte <i>Salicornia brachiata</i> . <i>Journal of Plant Growth Regulation</i> , 2013, 32, 342-352.	2.8	45
1302	Effects of Salinity on Ion Transport, Water Relations and Oxidative Damage. , 2013, , 89-114.		19
1303	Halotolerance in Lichens: Symbiotic Coalition Against Salt Stress. , 2013, , 115-148.		14
1304	Crop breeding for salt tolerance in the era of molecular markers and marker-assisted selection. <i>Plant Breeding</i> , 2013, 132, 10-20.	1.0	164
1305	Plant Response to Salt Stress and Role of Exogenous Protectants to Mitigate Salt-Induced Damages. , 2013, , 25-87.		250
1306	Polyamines: potent modulators of plant responses to stress. <i>Journal of Plant Interactions</i> , 2013, 8, 1-16.	1.0	84
1307	Salt crystal deposition as a reversible mechanism to enhance photoprotection in black mangrove. <i>Trees - Structure and Function</i> , 2013, 27, 229-237.	0.9	17

#	ARTICLE	IF	CITATIONS
1308	Ultrastructural evidence for AMF mediated salt stress mitigation in <i>Trigonella foenum-graecum</i> . <i>Mycorrhiza</i> , 2013, 23, 71-86.	1.3	130
1309	Sensitivity of Translation Initiation Factor eIF1 as a Molecular Target of Salt Toxicity to Sodic-Alkaline Stress in the Halophytic Grass <i>Leymus chinensis</i> . <i>Biochemical Genetics</i> , 2013, 51, 101-118.	0.8	15
1310	Estimation of salt tolerance in <i>Andrographis paniculata</i> accessions using multiple regression model. <i>Euphytica</i> , 2013, 189, 147-160.	0.6	29
1311	A novel δ^1 -pyrroline-5-carboxylate synthetase gene of <i>Medicago truncatula</i> plays a predominant role in stress-induced proline accumulation during symbiotic nitrogen fixation. <i>Journal of Plant Physiology</i> , 2013, 170, 291-302.	1.6	83
1312	Overexpression of tomato enhancer of SOS3-1 (LeENH1) in tobacco enhanced salinity tolerance by excluding Na ⁺ from the cytosol. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 150-158.	2.8	18
1313	Comparative Proteomics of <i>Thellungiella halophila</i> Leaves from Plants Subjected to Salinity Reveals the Importance of Chloroplastic Starch and Soluble Sugars in Halophyte Salt Tolerance. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2174-2195.	2.5	136
1314	Molecular cloning and the expression of the Na ⁺ /H ⁺ -antiporter in the monocot halophyte <i>Leptochloa fusca</i> (L.) Kunth. <i>Njas - Wageningen Journal of Life Sciences</i> , 2013, 64-65, 87-93.	7.9	14
1315	Investigation of the koala (<i>Phascolarctos cinereus</i>) hindgut microbiome via 16S pyrosequencing. <i>Veterinary Microbiology</i> , 2013, 167, 554-564.	0.8	51
1316	Selenium (Se) Seed Priming Induced Growth and Biochemical Changes in Wheat Under Water Deficit Conditions. <i>Biological Trace Element Research</i> , 2013, 151, 284-293.	1.9	87
1317	Quantitative Expression Analysis of TaSOS1 and TaSOS4 Genes in Cultivated and Wild Wheat Plants Under Salt Stress. <i>Molecular Biotechnology</i> , 2013, 53, 189-197.	1.3	36
1318	Abiotic and Biotic Stress Tolerance in Plants. , 2013, , 1-20.		15
1319	Biomass, lipid content, and fatty acid composition of freshwater <i>Chlamydomonas mexicana</i> and <i>Scenedesmus obliquus</i> grown under salt stress. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 827-833.	1.7	177
1320	Responses of the Mediterranean seagrass <i>Posidonia oceanica</i> to hypersaline stress duration and recovery. <i>Marine Environmental Research</i> , 2013, 84, 60-75.	1.1	58
1321	Improving Salt Tolerance in Rice: Looking Beyond the Conventional. , 2013, , 219-260.		23
1322	Enhancing Plant Productivity Under Salt Stress: Relevance of Poly-omics. , 2013, , 113-156.		61
1323	ABA: Role in Plant Signaling Under Salt Stress. , 2013, , 175-196.		13
1324	Salt Tolerance in Cereals: Molecular Mechanisms and Applications. , 2013, , 133-154.		10
1325	Salt Stress: A Biochemical and Physiological Adaptation of Some Indian Halophytes of Sundarbans. , 2013, , 155-177.		4

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1326	UBIQUITIN-SPECIFIC PROTEASE16 Modulates Salt Tolerance in <i>Arabidopsis</i> by Regulating Na ⁺ /H ⁺ Antiport Activity and Serine Hydroxymethyltransferase Stability. <i>Plant Cell</i> , 2013, 24, 5106-5122.	3.1	83
1327	Quaternary ammonium compounds can be abundant in some soils and are taken up as intact molecules by plants. <i>New Phytologist</i> , 2013, 198, 476-485.	3.5	89
1328	EFFECTS OF SODIUM CHLORIDE ON PHYSIOLOGICAL ASPECTS OF <i>SALICORNIA PERSICA</i> GROWTH. <i>Journal of Plant Nutrition</i> , 2013, 36, 401-414.	0.9	17
1329	EFFECT OF POTASSIUM NUTRITION ON SOLUTE ACCUMULATION, ION COMPOSITION AND YIELD OF MAIZE HYBRIDS GROWN UNDER SALINE CONDITIONS. <i>Journal of Plant Nutrition</i> , 2013, 36, 143-163.	0.9	3
1330	Bioprospecting and Genetic Engineering of Mangrove Genes to Enhance Salinity Tolerance in Crop Plants. , 2013, , 385-456.		5
1331	Salt tolerance mechanisms in quinoa (<i>Chenopodium quinoa</i> Willd.). <i>Environmental and Experimental Botany</i> , 2013, 92, 43-54.	2.0	263
1332	Salt tolerance in the halophyte <i>Salicornia dolichostachya</i> Moss: Growth, morphology and physiology. <i>Environmental and Experimental Botany</i> , 2013, 92, 32-42.	2.0	100
1333	Protein Contribution to Plant Salinity Response and Tolerance Acquisition. <i>International Journal of Molecular Sciences</i> , 2013, 14, 6757-6789.	1.8	170
1334	Role of salicylic acid on physiological and biochemical mechanism of salinity stress tolerance in plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 2345-2353.	1.0	71
1335	Sodium (Na ⁺) homeostasis and salt tolerance of plants. <i>Environmental and Experimental Botany</i> , 2013, 92, 19-31.	2.0	367
1336	Salt Stress: Causes, Types and Responses of Plants. , 2013, , 1-24.		74
1337	Role of Nitric Oxide in Improving Plant Resistance Against Salt Stress. , 2013, , 413-424.		7
1338	Arbuscular Mycorrhiza: Approaches for Abiotic Stress Tolerance in Crop Plants for Sustainable Agriculture. , 2013, , 359-401.		58
1339	Expression analysis of LeNHX1 gene in mycorrhizal tomato under salt stress. <i>Journal of Microbiology</i> , 2013, 51, 100-104.	1.3	18
1340	MicroRNAs and Their Role in Salt Stress Response in Plants. , 2013, , 15-46.		17
1341	The waterlogging/salinity interaction in higher plants revisited – focusing on the hypoxia-induced disturbance to K ⁺ homeostasis. <i>Functional Plant Biology</i> , 2013, 40, 872.	1.1	92
1342	Identification and characterization of salt-responsive microRNAs in <i>Populus tomentosa</i> by high-throughput sequencing. <i>Biochimie</i> , 2013, 95, 743-750.	1.3	48
1343	Overexpression of GsCBRLK from Glycine soja enhances tolerance to salt stress in transgenic alfalfa (<i>Medicago sativa</i>). <i>Functional Plant Biology</i> , 2013, 40, 1048.	1.1	21

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1344	The <i>Hordeum vulgare</i> signalling protein MAP kinase 4 is a regulator of biotic and abiotic stress responses. <i>Journal of Plant Physiology</i> , 2013, 170, 1353-1359.	1.6	23
1345	Different Omics Approaches in Cereals and Their Possible Implications for Developing a System Biology Approach to Study the Mechanism of Abiotic Stress Tolerance. , 2013, , 177-214.		0
1346	Effects of salinity on the transcriptome of growing maize leaf cells point at cell-age specificity in the involvement of the antioxidative response in cell growth restriction. <i>BMC Genomics</i> , 2013, 14, 24.	1.2	53
1347	Plant-Microorganism Interactions: Effects on the Tolerance of Plants to Biotic and Abiotic Stresses. , 2013, , 209-238.		6
1348	Association mapping of salt tolerance in barley (<i>Hordeum vulgare</i> L.). <i>Theoretical and Applied Genetics</i> , 2013, 126, 2335-2351.	1.8	124
1349	Salt tolerant screening in eucalypt genotypes (<i>Eucalyptus</i> spp.) using photosynthetic abilities, proline accumulation, and growth characteristics as effective indices. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 611-619.	0.9	19
1350	Response of Sorghum to Abiotic Stresses: A Review. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 264-274.	1.7	109
1351	A <i>Populus euphratica</i> NAC protein regulating Na ⁺ /K ⁺ homeostasis improves salt tolerance in <i>Arabidopsis thaliana</i> . <i>Gene</i> , 2013, 521, 265-273.	1.0	23
1352	Hydrogen peroxide is involved in the regulation of rice (<i>Oryza sativa</i> L.) tolerance to salt stress. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 891-900.	1.0	24
1353	OsRMC, a negative regulator of salt stress response in rice, is regulated by two AP2/ERF transcription factors. <i>Plant Molecular Biology</i> , 2013, 82, 439-455.	2.0	73
1354	High diversity of small organic N observed in soil water. <i>Soil Biology and Biochemistry</i> , 2013, 57, 444-450.	4.2	70
1355	Stachydrine ameliorates high-glucose induced endothelial cell senescence and SIRT1 downregulation. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 2522-2530.	1.2	46
1356	Nitric oxide enhances salt tolerance in cucumber seedlings by regulating free polyamine content. <i>Environmental and Experimental Botany</i> , 2013, 86, 52-59.	2.0	95
1357	Salinity-induced modulation of growth and antioxidant activity in the callus cultures of miswak (<i>Salvadora persica</i>). <i>3 Biotech</i> , 2013, 3, 11-17.	1.1	22
1358	Exploration of the antioxidative defense system to characterize chickpea genotypes showing differential response towards water deficit conditions. <i>Plant Growth Regulation</i> , 2013, 70, 49-60.	1.8	36
1359	AM fungi ameliorates growth, yield and nutrient uptake in <i>Cicer arietinum</i> L. Under salt stress. <i>Russian Agricultural Sciences</i> , 2013, 39, 321-329.	0.1	12
1360	Plasma membrane permeability as an indicator of salt tolerance in plants. <i>Biologia Plantarum</i> , 2013, 57, 1-10.	1.9	116
1361	Gene expression profiling of soybean leaves and roots under salt, saline-alkali and drought stress by high-throughput illumina sequencing. <i>Gene</i> , 2013, 512, 392-402.	1.0	104

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1362	Signal regulation of proline metabolism in callus of the halophyte <i>Nitraria tangutorum</i> Bobr. grown under salinity stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 112, 33-42.	1.2	38
1363	A Nuclear Calcium-Sensing Pathway Is Critical for Gene Regulation and Salt Stress Tolerance in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2013, 9, e1003755.	1.5	67
1364	The Critical Role of Potassium in Plant Stress Response. <i>International Journal of Molecular Sciences</i> , 2013, 14, 7370-7390.	1.8	1,096
1365	A Genome-Wide Expression Profile of Salt-Responsive Genes in the Apple Rootstock <i>Malus zumi</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 21053-21070.	1.8	25
1366	Drought Stress Acclimation Imparts Tolerance to <i>Sclerotinia sclerotiorum</i> and <i>Pseudomonas syringae</i> in <i>Nicotiana benthamiana</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 9497-9513.	1.8	95
1367	Solute accumulation and elastic modulus changes in six <i>radiata</i> pine breeds exposed to drought. <i>Tree Physiology</i> , 2013, 33, 69-80.	1.4	66
1368	Role of Arbuscular Mycorrhiza in Amelioration of Salinity. , 2013, , 301-354.		48
1369	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
1370	Contrasting physiological responses to high salinity between two varieties of corn 'Luteo' (salt) and 'Overlock 10' (non-salt). <i>Journal of Agronomy and Crop Science</i> , 2013, 293, 10-15.	0.4	5
1371	Agronomic and physiological responses of pearl millet ecotype (<i>Pennisetum glaucum</i> (L.) R. Br.). <i>Journal of Agronomy and Crop Science</i> , 2013, 293, 16-21.	1.0	11
1372	The Salt Overly Sensitive (SOS) Pathway: Established and Emerging Roles. <i>Molecular Plant</i> , 2013, 6, 275-286.	3.9	528
1373	The influence of genes regulating transmembrane transport of Na ⁺ on the salt resistance of <i>Aeluropus lagopoides</i> . <i>Functional Plant Biology</i> , 2013, 40, 860.	1.1	40
1374	Changes in Secondary Metabolite Production in <i>Jatropha curcas</i> Calluses Treated with NaCl. <i>Analytical Chemistry Letters</i> , 2013, 3, 359-369.	0.4	1
1375	Effects of Soil Salinity on Growth, Ion Relations, and Compatible Solute Accumulation of Two Sumac Species: <i>Rhus glabra</i> and <i>Rhus trilobata</i> . <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 3187-3204.	0.6	2
1376	Salt-induced perturbation in growth, physiological attributes, activities of antioxidant enzymes and organic solutes in mungbean (<i>Vigna radiata</i> (L.) cv. L.) cultivars differing in salinity tolerance. <i>Archives of Agronomy and Soil Science</i> , 2013, 59, 1695-1712.	1.3	9
1377	Effects of Exogenous Abscisic Acid on Carbohydrate Metabolism and the Expression Levels of Correlative Key Enzymes in Winter Wheat under Low Temperature. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 516-525.	0.6	45
1378	Salt Overly Sensitive pathway members are influenced by diurnal rhythm in rice. <i>Plant Signaling and Behavior</i> , 2013, 8, e24738.	1.2	28
1379	Characterization of Ion Contents and Metabolic Responses to Salt Stress of Different <i>Arabidopsis</i> AtHKT1;1 Genotypes and Their Parental Strains. <i>Molecular Plant</i> , 2013, 6, 350-368.	3.9	61

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1380	A9C sensitive Cl ⁻ accumulation in <i>A. thaliana</i> root cells during salt stress is controlled by internal and external calcium. <i>Plant Signaling and Behavior</i> , 2013, 8, e24259.	1.2	13
1381	Consequences of salinity and freezing stress for two populations of <i>Quercus virginiana</i> Mill. (Fagaceae) grown in a common garden ¹ . <i>Journal of the Torrey Botanical Society</i> , 2013, 140, 145-156.	0.1	6
1382	Role of HKT1 in <i>Thellungiella salsuginea</i> , a model extremophile plant. <i>Plant Signaling and Behavior</i> , 2013, 8, e25196.	1.2	31
1384	Omics-Based Approaches for Rice Improvement. , 2013, , 1-46.		1
1385	Nod Factor Production and Abiotic Stress in <i>Rhizobium</i> . , 2013, , 71-98.		1
1386	<sc>MALDI</sc> mass spectrometry-assisted molecular imaging of metabolites during nitrogen fixation in the <i>M</i>edicago truncatula</i>â€™<i>S</i>inorhizobium meliloti</i> symbiosis. <i>Plant Journal</i> , 2013, 75, 130-145.	2.8	119
1387	Effects of Branch Pruning and Seedling Size on Total Transpiration and Tissue Na and Cl Accumulation in <i>Pinus leiophylla</i> Seedlings Exposed to Salinity. <i>Forest Science</i> , 2013, 59, 407-415.	0.5	6
1388	Differences in Growth and Physiology of Rice in Response to Different Saline-Alkaline Stress Factors. <i>Agronomy Journal</i> , 2013, 105, 1119-1128.	0.9	55
1389	Effects of NaCl addition to the growing medium on plant hydraulics and water relations of tomato. <i>Functional Plant Biology</i> , 2013, 40, 459.	1.1	9
1390	Abiotic Stress in Plants. , 0, , .		2
1391	Extreme Temperature Responses, Oxidative Stress and Antioxidant Defense in Plants. , 0, , .		112
1393	Abiotic Stress Tolerance in Plants with Emphasizing on Drought and Salinity Stresses in Walnut. , 2013, , .		9
1394	A Study on Germination Rate, Dry Matter Weight and Amylase Activity of <i>Medicago sativa</i> L. (alfalfa) under Induced NaCl Stress. <i>Advances in Crop Science and Technology</i> , 2013, 01, .	0.4	1
1395	Overexpression of a specific OsGSTL2 isoenzyme improves glyphosate and chlorsulfuron tolerance of transgenic rice plants. <i>African Journal of Agricultural Research Vol Pp</i> , 2013, 8, 1520-1527.	0.2	3
1396	Effect of Nitrogen Nutritional Stress on some Mineral Nutrients and Photosynthetic Apparatus of <i>Zea mays</i> L. and <i>Vigna unguiculata</i> L.. <i>Notulae Scientia Biologicae</i> , 2013, 5, 376-382.	0.1	0
1397	Influence Of Calcium On Water Relation Of Two Cultivars Of Wheat Under Salt Stress. <i>Journal of Chitwan Medical College</i> , 2013, 2, 1-8.	0.1	14
1398	Emergência, crescimento e produção da mamoneira sob estresse salino e adubação nitrogenada. <i>Revista Ciencia Agronomica</i> , 2013, 44, 76-85.	0.1	27
1399	mRNA-seq Analysis of the <i>Gossypium arboreum</i> transcriptome Reveals Tissue Selective Signaling in Response to Water Stress during Seedling Stage. <i>PLoS ONE</i> , 2013, 8, e54762.	1.1	45

#	ARTICLE	IF	CITATIONS
1400	Genome and Transcriptome Analyses Provide Insight into the Euryhaline Adaptation Mechanism of <i>Crassostrea gigas</i> . PLoS ONE, 2013, 8, e58563.	1.1	145
1401	Salt Stress Encourages Proline Accumulation by Regulating Proline Biosynthesis and Degradation in Jerusalem Artichoke Plantlets. PLoS ONE, 2013, 8, e62085.	1.1	124
1402	Isolation and Characterization of a Conserved Domain in the Eremophyte H ⁺ -PPase Family. PLoS ONE, 2013, 8, e70099.	1.1	3
1403	The E3 Ligase AtRDUF1 Positively Regulates Salt Stress Responses in <i>Arabidopsis thaliana</i> . PLoS ONE, 2013, 8, e71078.	1.1	23
1404	Use of MSAP Markers to Analyse the Effects of Salt Stress on DNA Methylation in Rapeseed (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.1	84
1405	A Wheat WRKY Transcription Factor TaWRKY10 Confers Tolerance to Multiple Abiotic Stresses in Transgenic Tobacco. PLoS ONE, 2013, 8, e65120.	1.1	212
1406	Physiological limitations in two sugarcane varieties under water suppression and after recovering. Theoretical and Experimental Plant Physiology, 2013, 25, 213-222.	1.1	55
1407	Salt-Induced Changes in Antioxidative Enzyme Activities in Shoot Tissues of Two <i>Atriplex</i> Varieties. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2013, 41, 115.	0.5	25
1408	Salinity Tolerance Turfgrass: History and Prospects. Scientific World Journal, The, 2013, 2013, 1-6.	0.8	27
1409	Antioxidant Capacity as a Marker for Assessing the In Vitro Performance of the Endangered <i>Cistus heterophyllus</i> . Scientific World Journal, The, 2013, 2013, 1-10.	0.8	15
1410	Mitigation of the Adverse Effects of Salt Stress on Maize (<i>Zea Mays</i> L.) Through Organic Amendments. International Journal of Applied Sciences and Biotechnology, 2013, 1, 233-239.	0.4	6
1411	Ecophysiology of Wild Plants and Conservation Perspectives in the State of Qatar. , 0, , .		4
1412	Oxidative stress of maize roots caused by a combination of both salt stress and manganese deprivation. Cereal Research Communications, 2014, 42, 568-577.	0.8	8
1413	Differential Response of Bean (<i>Phaseolus vulgaris</i> L.) Roots and Leaves to Salinity in Soil and Hydroponic Culture. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2014, 42, .	0.5	2
1414	Synergistic and Antagonistic Effects of Salinity and pH on Germination in Switchgrass (<i>Panicum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	1.1	31
1415	Effects of Salinity and Nutrient Addition on Mangrove <i>Excoecaria agallocha</i> . PLoS ONE, 2014, 9, e93337.	1.1	40
1416	Mineral Content and Biochemical Variables of <i>Aloe vera</i> L. under Salt Stress. PLoS ONE, 2014, 9, e94870.	1.1	28
1417	AtRD22 and AtUSPL1, Members of the Plant-Specific BURP Domain Family Involved in <i>Arabidopsis thaliana</i> Drought Tolerance. PLoS ONE, 2014, 9, e110065.	1.1	74

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1418	Transcriptome-Wide Profiling and Expression Analysis of Diploid and Autotetraploid <i>Paulownia tomentosa</i> – <i>Paulownia fortunei</i> under Drought Stress. <i>PLoS ONE</i> , 2014, 9, e113313.	1.1	23
1419	Detection of drought tolerant sugarcane genotypes (<i>Saccharum officinarum</i>) using lipid peroxidation, antioxidant activity, glycine-betaine and proline contents. <i>Journal of Soil Science and Plant Nutrition</i> , 2014, , 0-0.	1.7	22
1420	The Wheat E Subunit of V-Type H ⁺ -ATPase Is Involved in the Plant Response to Osmotic Stress. <i>International Journal of Molecular Sciences</i> , 2014, 15, 16196-16210.	1.8	26
1421	Comparison of Different Treatment Methods of Salicylic acid on Some Physiological Traits of White Bean Under Salinity Stress. <i>Cercetari Agronomice in Moldova</i> , 2014, 47, 97-105.	0.3	3
1422	Salinity Effects on Germination, Growth, Photosynthesis, and Ion Accumulation in Wild <i>Miscanthus sinensis</i> Anderss. Populations. <i>Crop Science</i> , 2014, 54, 2760-2771.	0.8	12
1423	Gibberellic Acid and Salinity Affected Growth and Antioxidant Enzyme Activities in Castor Bean Plants at Early Growth Stage. <i>Agronomy Journal</i> , 2014, 106, 1340-1348.	0.9	13
1424	Effects of Salinity and Nutrients in Seawater on Hydroponic Culture of Red Leaf Lettuce. <i>Environmental Control in Biology</i> , 2014, 52, 189-195.	0.3	26
1425	Exogenous Proline and Betaine-induced Upregulation of Glutathione Transferase and Glyoxalase I in Lentil (<i>Lens culinaris</i>) under Drought Stress. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2014, 42, .	0.5	28
1426	Estimaci3n de la salinidad en suelos del delta del r3o Sin3 en Colombia, mediante modelos de regresi3n lineal m3ltiple. <i>Idesia</i> , 2014, 32, 81-90.	0.1	1
1427	Effects of exogenous 5-aminolevulinic acid on PIP1 and NIP aquaporin gene expression in seedlings of cucumber cultivars subjected to salinity stress. <i>Genetics and Molecular Research</i> , 2014, 13, 2563-2573.	0.3	11
1428	Growth and Photosynthetic Response of Two Persimmon Rootstocks (<i>Diospyros kaki</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Agrobotanici Cluj-Napoca, 2014, 42, 386-391.	0.5	11
1429	Does foliar application of salicylic acid protects nitrate reductase and enhances resistance in virus infected maize?. <i>African Journal of Biotechnology</i> , 2014, 13, 2330-2335.	0.3	0
1430	Effects of potassium application and soil moisture on the growth of <i>Corymbia citriodora</i> plants. <i>Cerne</i> , 2014, 20, 645-651.	0.9	11
1431	Ponto de murcha permanente fisiol3gico e potencial osm3tico de feij3o caupi cultivado em solos salinizados. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2014, 18, 708-713.	0.4	9
1432	Reactive Nitrogen Species and the Role of NO in Abiotic Stress. , 2014, , 249-266.		5
1433	Effect of Salinity on Plants and the Role of Arbuscular Mycorrhizal Fungi and Plant Growth-Promoting Rhizobacteria in Alleviation of Salt Stress. , 2014, , 115-144.		30
1434	Effect of sodium carbonate-induced salinity3alkalinity on some key osmoprotectants, protein profile, antioxidant enzymes, and lipid peroxidation in two mulberry (<i>Morus alba</i> L.) cultivars. <i>Journal of Plant Interactions</i> , 2014, 9, 460-467.	1.0	77
1435	Melatonin promotes seed germination under high salinity by regulating antioxidant systems, <sc>ABA</sc> and <sc>GA</sc> ₄ interaction in cucumber (<i>Cucumis</i>) Tj ETQq1 13078431448BT /Ove	1.0	77

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1436	Effects of Soil Alkalinization on Osmotic Adjustment and Ion Balance in Sorghum (<i>Sorghum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 742	0.9	2
1437	The effects of salinity on the growth and biochemical properties of <i>Chlamydomonas mexicana</i> GU732420 cultivated in municipal wastewater. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	10
1438	Seed halopriming outdo hydropriming in enhancing seedling vigor and osmotic stress tolerance potential of rice varieties. Journal of Crop Science and Biotechnology, 2014, 17, 209-219.	0.7	26
1439	Comprehensive analysis of differentially expressed genes and transcriptional regulation induced by salt stress in two contrasting cotton genotypes. BMC Genomics, 2014, 15, 760.	1.2	166
1440	Vacuolar proton pumps regulation during development of <i>Vigna unguiculata</i> seedlings under salt stress. Theoretical and Experimental Plant Physiology, 2014, 26, 167-175.	1.1	2
1441	Evaluation of some rice cultivars'™ response to salinity stress using resistance indices. Archives of Agronomy and Soil Science, 2014, 60, 1303-1314.	1.3	6
1442	Deciphering the Role of various cis-acting regulatory elements in controlling SamDC gene expression in Rice. Plant Signaling and Behavior, 2014, 9, e28391.	1.2	17
1443	Scanning ion-selective electrode technique and X-ray microanalysis provide direct evidence of contrasting Na ⁺ transport ability from root to shoot in salt-sensitive cucumber and salt-tolerant pumpkin under NaCl stress. Physiologia Plantarum, 2014, 152, 738-748.	2.6	30
1444	Mitigation of salt-induced oxidative damage in Chinese kale (<i>Brassica alboglabra</i> L.) using ascorbic acid. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2014, 64, 13-23.	0.3	1
1445	High NaHCO ₃ stress causes direct injury to <i>Nicotiana tabacum</i> roots. Journal of Plant Interactions, 2014, 9, 56-61.	1.0	3
1446	Growth and Physiological Effects of Model Acid Rain and Lead Contamination to Tall Fescue Seedlings. Applied Mechanics and Materials, 0, 665, 543-546.	0.2	0
1447	Mechanism of Salinity Tolerance in Plants: Physiological, Biochemical, and Molecular Characterization. International Journal of Genomics, 2014, 2014, 1-18.	0.8	1,261
1448	Genome-based analysis of the transcriptome from mature chickpea root nodules. Frontiers in Plant Science, 2014, 5, 325.	1.7	18
1449	Modulation of osmotic adjustment and enzymatic antioxidant profiling in <i>Apera intermedia</i> exposed to salt stress. Turkish Journal of Botany, 2014, 38, 99-111.	0.5	7
1450	Nitric Oxide: Role in Plants Under Abiotic Stress. , 2014, , 137-159.		20
1451	Effect of saline water on seed germination and early seedling growth of the halophyte quinoa. AoB PLANTS, 2014, 6, plu047-plu047.	1.2	156
1452	Salt stress tolerance in cowpea is poorly related to the ability to cope with oxidative stress. Acta Botanica Croatica, 2014, 73, 78-89.	0.3	6
1453	Exogenous trehalose largely alleviates ionic unbalance, ROS burst, and PCD occurrence induced by high salinity in <i>Arabidopsis</i> seedlings. Frontiers in Plant Science, 2014, 5, 570.	1.7	65

#	ARTICLE	IF	CITATIONS
1454	Soil and foliar application of potassium enhances fruit yield and quality of tomato under salinity. Turkish Journal of Biology, 2014, 38, 208-218.	2.1	44
1455	Expression Analysis of Salt Stress on Carotenoid Pathway Genes in Watermelon. Advanced Materials Research, 0, 1073-1076, 1061-1066.	0.3	2
1456	De Novo Transcriptome Sequence Assembly and Identification of AP2/ERF Transcription Factor Related to Abiotic Stress in Parsley (<i>Petroselinum crispum</i>). PLoS ONE, 2014, 9, e108977.	1.1	21
1457	Physiological responses of transgenic tobacco plants expressing the dehydration-responsive RD22 gene of <i>Vitis vinifera</i> to salt stress. Turkish Journal of Botany, 2014, 38, 268-280.	0.5	20
1458	Overexpression of the <i>Arabidopsis</i> vacuolar H ⁺ -pyrophosphatase <i>AVP1</i> gene in rice plants improves grain yield under paddy field conditions. Journal of Agricultural Science, 2014, 152, 941-953.	0.6	10
1459	Expression profiles of <i>Pr5CS1</i> and <i>Pr5CS2</i> genes and proline accumulation under salinity stress in perennial ryegrass (<i>Lolium perenne</i> L.). Plant Breeding, 2014, 133, 243-249.	1.0	8
1460	A Wheat Allene Oxide Cyclase Gene Enhances Salinity Tolerance via Jasmonate Signaling. Plant Physiology, 2014, 164, 1068-1076.	2.3	198
1462	Manipulating Osmolytes for Breeding Salinity-Tolerant Plants. , 2014, , 385-404.		6
1463	Effects of Salinity and Copper on Growth and Chemical Composition of Pistachio Seedlings. Journal of Plant Nutrition, 2014, 37, 1063-1079.	0.9	5
1464	Response of warm-season grasses to N fertilization and salinity. Scientia Horticulturae, 2014, 177, 92-98.	1.7	19
1465	Gene expression and phenotypic analyses of transgenic Chinese cabbage over-expressing the cold tolerance gene, BrCSR. Horticulture Environment and Biotechnology, 2014, 55, 415-422.	0.7	4
1466	Tolerance to drought and salt stress in plants: Unraveling the signaling networks. Frontiers in Plant Science, 2014, 5, 151.	1.7	897
1467	Trichoderma Species as Abiotic Stress Relievers in Plants. , 2014, , 515-525.		24
1468	Effects of salinity on removal of nitrogen and phosphorus from eutrophic saline water in planted <i>Lythrum salicaria</i> L. microcosm systems. Desalination and Water Treatment, 2014, 52, 6655-6663.	1.0	10
1469	Comparative transcriptome analysis of the Asteraceae halophyte <i>Karelinia caspica</i> under salt stress. BMC Research Notes, 2014, 7, 927.	0.6	21
1470	COR15B expression is affected by chloroplast functionality and its role in response to salt stress in <i>Arabidopsis thaliana</i> . Biologia Plantarum, 2014, 58, 667-675.	1.9	4
1471	Drought and Salt Stress Mitigation by Seed Priming with KNO ₃ and Urea in Various Maize Hybrids: An Experimental Approach Based on Enhancing Antioxidant Responses. Journal of Plant Nutrition, 2014, 37, 674-689.	0.9	27
1473	Plant Abiotic Stress: Salt. , 2014, , 313-329.		3

#	ARTICLE	IF	CITATIONS
1474	Differential tolerance of two wheat cultivars to NaCl is related to antioxidant potentialities. <i>Revista Brasileira De Botanica</i> , 2014, 37, 207-215.	0.5	4
1475	Anti-oxidative Potential and Biocompounds of Five Lamiaceae Family Herbal Species. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2014, 17, 1308-1316.	0.7	4
1476	Cloning and Functional Characterization of a Vacuolar Na ⁺ /H ⁺ Antiporter Gene from Mungbean (VrNHX1) and Its Ectopic Expression Enhanced Salt Tolerance in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2014, 9, e106678.	1.1	44
1477	Progeny analysis of transgenic rice variety transformed with Glyoxalase I gene. <i>International Journal of Agriculture Environment and Biotechnology</i> , 2014, 7, 769.	0.1	0
1478	Salinity stress and sustainable agriculture-A review. <i>Agricultural Reviews</i> , 2014, 35, 34.	0.1	6
1479	The combined effect of salinity and heat reveals a specific physiological, biochemical and molecular response in tomato plants. <i>Plant, Cell and Environment</i> , 2014, 37, 1059-1073.	2.8	309
1480	Response of osmolytes in soil to drying and rewetting. <i>Soil Biology and Biochemistry</i> , 2014, 70, 22-32.	4.2	149
1481	Silicon Application to Rice Root Zone Influenced the Phytohormonal and Antioxidant Responses Under Salinity Stress. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 137-149.	2.8	184
1482	Salinity mediated biochemical changes towards differential adaptability of three mangroves from Indian Sundarbans. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2014, 23, 31-41.	0.9	5
1483	Differential growth responses to sodium salts involve different abscisic acid metabolism and transport in <i>Prosopis strobilifera</i> . <i>Biologia Plantarum</i> , 2014, 58, 80-88.	1.9	27
1484	CarNAC2, a novel NAC transcription factor in chickpea (<i>Cicer arietinum</i> L.), is associated with drought-response and various developmental processes in transgenic arabidopsis. <i>Journal of Plant Biology</i> , 2014, 57, 55-66.	0.9	24
1485	Proline and its metabolism enzymes in cucumber cell cultures during acclimation to salinity. <i>Protoplasma</i> , 2014, 251, 201-209.	1.0	22
1486	Salt-induced photoinhibition of PSII is alleviated in halophyte <i>Thellungiella halophila</i> by increases of unsaturated fatty acids in membrane lipids. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 983-992.	1.0	113
1487	The influence of salinity on cell ultrastructures and photosynthetic apparatus of barley genotypes differing in salt stress tolerance. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1261-1269.	1.0	30
1488	Effect of exogenous application of nitric oxide on salt stress responses of soybean. <i>South African Journal of Botany</i> , 2014, 90, 131-136.	1.2	68
1489	CPPU elevates photosynthetic abilities, growth performances and yield traits in salt stressed rice (<i>Oryza sativa</i> L. spp. indica) via free proline and sugar accumulation. <i>Pesticide Biochemistry and Physiology</i> , 2014, 108, 27-33.	1.6	9
1490	<i>SbHKT1;4</i> , a member of the high-affinity potassium transporter gene family from <i>Sorghum bicolor</i> , functions to maintain optimal Na ⁺ /K ⁺ balance under Na ⁺ stress. <i>Journal of Integrative Plant Biology</i> , 2014, 56, 315-332.	4.1	70
1491	The over-expression of <i>Chrysanthemum crassum</i> CcSOS1 improves the salinity tolerance of chrysanthemum. <i>Molecular Biology Reports</i> , 2014, 41, 4155-4162.	1.0	38

#	ARTICLE	IF	CITATIONS
1492	Changes in the proteome of pea (<i>Pisum sativum</i> L.) seeds germinating under optimal and osmotic stress conditions and subjected to post-stress recovery. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 795-807.	1.0	14
1493	Free radical scavenging and antioxidant potential of mangrove plants: a review. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 561-579.	1.0	65
1494	The <i>Gossypium hirsutum</i> WRKY gene GhWRKY39-1 promotes pathogen infection defense responses and mediates salt stress tolerance in transgenic <i>Nicotiana benthamiana</i> . <i>Plant Cell Reports</i> , 2014, 33, 483-498.	2.8	111
1495	Identification of QTLs for salt tolerance at germination and seedling stage of <i>Sorghum bicolor</i> L. Moench. <i>Euphytica</i> , 2014, 196, 117-127.	0.6	32
1496	Organic N molecules in the soil solution: what is known, what is unknown and the path forwards. <i>Plant and Soil</i> , 2014, 375, 1-19.	1.8	103
1497	Plasma membrane and cell wall properties of an aspen hybrid (<i>Populus tremula</i> — <i>Populus tremuloides</i>) parenchyma cells under the influence of salt stress. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1155-1165.	1.0	24
1498	The oxidative stress and antioxidant systems in cucumber cells during acclimation to salinity. <i>Biologia Plantarum</i> , 2014, 58, 47-54.	1.9	25
1499	GhWRKY39, a member of the WRKY transcription factor family in cotton, has a positive role in disease resistance and salt stress tolerance. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 17-32.	1.2	73
1500	Alkaline, saline and mixed saline—alkaline stresses induce physiological and morpho—anatomical changes in <i>Cotinus tenuis</i> shoots. <i>Plant Biology</i> , 2014, 16, 1042-1049.	1.8	33
1501	Biochemical and physiological responses of two grapevine rootstock genotypes to drought and salt treatments. <i>Australian Journal of Grape and Wine Research</i> , 2014, 20, 310-323.	1.0	76
1502	Life and death under salt stress: same players, different timing?. <i>Journal of Experimental Botany</i> , 2014, 65, 2963-2979.	2.4	240
1503	The constitutive expression of a two transgene construct enhances the abiotic stress tolerance of chrysanthemum. <i>Plant Physiology and Biochemistry</i> , 2014, 80, 114-120.	2.8	31
1504	Glutathione transferase supergene family in tomato: Salt stress-regulated expression of representative genes from distinct GST classes in plants primed with salicylic acid. <i>Plant Physiology and Biochemistry</i> , 2014, 78, 15-26.	2.8	159
1505	Understanding the complex nature of salinity and drought—stress response in cereals using proteomics technologies. <i>Proteomics</i> , 2014, 14, 611-621.	1.3	41
1506	Cloning of a cytosolic ascorbate peroxidase gene from <i>Lycium chinense</i> Mill. and enhanced salt tolerance by overexpressing in tobacco. <i>Gene</i> , 2014, 543, 85-92.	1.0	22
1507	Redox and nitric oxide homeostasis are affected in tomato (<i>Solanum lycopersicum</i>) roots under salinity-induced oxidative stress. <i>Journal of Plant Physiology</i> , 2014, 171, 1028-1035.	1.6	101
1508	Overexpression of GmDREB1 improves salt tolerance in transgenic wheat and leaf protein response to high salinity. <i>Crop Journal</i> , 2014, 2, 120-131.	2.3	51
1509	Comparative proteomic analysis of early salt stress responsive proteins in roots and leaves of rice. <i>Proteomics</i> , 2014, 14, 1759-1775.	1.3	68

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1510	Ecophysiological and species-specific responses to seasonal variations in halophytic species of the chenopodiaceae in a Mediterranean salt marsh. <i>African Journal of Ecology</i> , 2014, 52, 163-172.	0.4	12
1511	Genetic Engineering of Crop Plants for Abiotic Stress Tolerance. , 2014, , 99-123.		7
1512	Genomic Approaches and Abiotic Stress Tolerance in Plants. , 2014, , 1-37.		6
1513	Diverse functional interactions between nitric oxide and abscisic acid in plant development and responses to stress. <i>Journal of Experimental Botany</i> , 2014, 65, 907-921.	2.4	114
1514	Potassium uptake in the halophyte <i>Halimione portulacoides</i> L. Aellen. <i>Environmental and Experimental Botany</i> , 2014, 107, 15-24.	2.0	6
1515	Enzymes of the glutathione-ascorbate cycle in leaves and roots of rhizobia-inoculated faba bean plants (<i>Vicia faba</i> L.) under salinity stress. <i>European Journal of Soil Biology</i> , 2014, 60, 98-103.	1.4	17
1516	Exogenous application of free polyamines enhance salt tolerance of pistachio (<i>Pistacia vera</i> L.) seedlings. <i>Plant Growth Regulation</i> , 2014, 72, 257-268.	1.8	65
1518	Salt adaptation requires efficient fine-tuning of jasmonate signalling. <i>Protoplasma</i> , 2014, 251, 881-898.	1.0	41
1519	Cell Signaling During Drought and Salt Stress. , 2014, , 227-239.		4
1520	Effect of Salts (NaCl and Na ₂ CO ₃) on Callus and Suspension Culture of <i>Stevia rebaudiana</i> for Steviol glycoside Production. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2894-2906.	1.4	50
1521	Quantitative proteomics of <i>Sesuvium portulacastrum</i> leaves revealed that ion transportation by V-ATPase and sugar accumulation in chloroplast played crucial roles in halophyte salt tolerance. <i>Journal of Proteomics</i> , 2014, 99, 84-100.	1.2	52
1522	Drought Tolerance: Role of Organic Osmolytes, Growth Regulators, and Mineral Nutrients. , 2014, , 25-55.		85
1523	Environmentally responsive genome-wide accumulation of de novo <i>Arabidopsis thaliana</i> mutations and epimutations. <i>Genome Research</i> , 2014, 24, 1821-1829.	2.4	194
1524	Poplar calcineurin <i>B</i> -like proteins <i>PtCBL10A</i> and <i>PtCBL10B</i> regulate shoot salt tolerance through interaction with <i>PtSOS2</i> in the vacuolar membrane. <i>Plant, Cell and Environment</i> , 2014, 37, 573-588.	2.8	69
1525	EFFECTS OF SALINITY STRESS ON PHYSIOLOGICAL PERFORMANCE OF VARIOUS WHEAT AND BARLEY CULTIVARS. <i>Journal of Plant Nutrition</i> , 2014, 37, 520-531.	0.9	36
1526	Choline but not its derivative betaine blocks slow vacuolar channels in the halophyte <i>Chenopodium quinoa</i> : Implications for salinity stress responses. <i>FEBS Letters</i> , 2014, 588, 3918-3923.	1.3	26
1527	Evaluation of Salinity Effects on Ionic Balance and Compatible Solute Contents in Nine Grape (<i>Vitis</i> L.) Genotypes. <i>Journal of Plant Nutrition</i> , 2014, 37, 1817-1836.	0.9	9
1528	The Redox-Sensitive Chloroplast Trehalose-6-Phosphate Phosphatase <i>AtTPPD</i> Regulates Salt Stress Tolerance. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1289-1304.	2.5	80

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1529	Genotype Influences Sulfur Metabolism in Broccoli (<i>Brassica oleracea</i> L.) Under Elevated CO ₂ and NaCl Stress. <i>Plant and Cell Physiology</i> , 2014, 55, 2047-2059.	1.5	23
1530	Response to drought and salt stress in leaves of poplar (<i>Populus alba</i> — <i>Populus glandulosa</i>): Expression profiling by oligonucleotide microarray analysis. <i>Plant Physiology and Biochemistry</i> , 2014, 84, 158-168.	2.8	33
1531	Multiple signaling networks of extracellular ATP, hydrogen peroxide, calcium, and nitric oxide in the mediation of root ion fluxes in secretor and non-secretor mangroves under salt stress. <i>Aquatic Botany</i> , 2014, 119, 33-43.	0.8	44
1532	Response of organic N monomers in a sub-alpine soil to a dry-wet cycle. <i>Soil Biology and Biochemistry</i> , 2014, 77, 233-242.	4.2	22
1533	Salt tolerance in <i>Populus</i> : Significance of stress signaling networks, mycorrhization, and soil amendments for cellular and whole-plant nutrition. <i>Environmental and Experimental Botany</i> , 2014, 107, 113-124.	2.0	72
1534	Accumulation and distribution of potassium and its association with water balance in the skin of Cardinal table grapes during storage. <i>Scientia Horticulturae</i> , 2014, 175, 223-228.	1.7	6
1535	Improvement of Crops in the Era of Climatic Changes. , 2014, , .		7
1536	EFFECTS OF SALINITY AND THE INTERACTION BETWEEN <i>THYMUS VULGARIS</i> AND <i>LAVANDULA ANGUSTIFOLIA</i> ON GROWTH, ETHYLENE PRODUCTION AND ESSENTIAL OIL CONTENTS. <i>Journal of Plant Nutrition</i> , 2014, 37, 875-888.	0.9	30
1537	Molecular and physiological responses to abiotic stress in forest trees and their relevance to tree improvement. <i>Tree Physiology</i> , 2014, 34, 1181-1198.	1.4	144
1538	Ectopic overexpression of a mungbean vacuolar Na ⁺ /H ⁺ antiporter gene (<i>VrNHX1</i>) leads to increased salinity stress tolerance in transgenic <i>Vigna unguiculata</i> L. Walp. <i>Molecular Breeding</i> , 2014, 34, 1345-1359.	1.0	27
1539	A stress responsive gene of <i>Fortunella crassifolia</i> FcSISP functions in salt stress resistance. <i>Plant Physiology and Biochemistry</i> , 2014, 83, 10-19.	2.8	8
1540	Diverse expression pattern of wheat transcription factors against abiotic stresses in wheat species. <i>Gene</i> , 2014, 550, 117-122.	1.0	41
1541	Function of wheat Ta-UnP gene in enhancing salt tolerance in transgenic <i>Arabidopsis</i> and rice. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 794-801.	1.0	37
1542	24-epibrassinolide and/or putrescine trigger physiological and biochemical responses for the salt stress mitigation in <i>Cucumis sativus</i> L.. <i>Photosynthetica</i> , 2014, 52, 464-474.	0.9	52
1543	The differences in physiological responses, ultrastructure changes, and Na ⁺ subcellular distribution under salt stress among the barley genotypes differing in salt tolerance. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2397-2407.	1.0	13
1544	Genome-wide analysis of alternative splicing of pre-mRNA under salt stress in <i>Arabidopsis</i> . <i>BMC Genomics</i> , 2014, 15, 431.	1.2	234
1545	Growth attenuation under saline stress is mediated by the heterotrimeric G protein complex. <i>BMC Plant Biology</i> , 2014, 14, 129.	1.6	65
1546	The role of antioxidant responses on the tolerance range of extreme halophyte <i>Salsola crassa</i> grown under toxic salt concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 21-30.	2.9	31

#	ARTICLE	IF	CITATIONS
1547	Transcriptome dynamics of a desert poplar (<i>Populus pruinosa</i>) in response to continuous salinity stress. <i>Plant Cell Reports</i> , 2014, 33, 1565-1579.	2.8	42
1548	Not all anthocyanins are born equal: distinct patterns induced by stress in <i>Arabidopsis</i> . <i>Planta</i> , 2014, 240, 931-940.	1.6	129
1549	Growth, physiological, biochemical and ionic responses of pistachio seedlings to mild and high salinity. <i>Trees - Structure and Function</i> , 2014, 28, 1065-1078.	0.9	54
1550	A review on transporters in salt tolerant mangroves. <i>Trees - Structure and Function</i> , 2014, 28, 957-960.	0.9	14
1551	Increased cucumber salt tolerance by grafting on pumpkin rootstock and after application of calcium. <i>Biologia Plantarum</i> , 2014, 58, 179-184.	1.9	19
1552	Functional analyses of a putative plasma membrane Na ⁺ /H ⁺ antiporter gene isolated from salt tolerant <i>Helianthus tuberosus</i> . <i>Molecular Biology Reports</i> , 2014, 41, 5097-5108.	1.0	24
1553	Vegetative growth, compatible solute accumulation, ion partitioning and chlorophyll fluorescence of 'Malas-e-Saveh' and 'Shishe-Kab' pomegranates in response to salinity stress. <i>Photosynthetica</i> , 2014, 52, 301-312.	0.9	29
1554	Transgenic <i>Arabidopsis</i> expressing osmolyte glycine betaine synthesizing enzymes from halophilic methanogen promote tolerance to drought and salt stress. <i>Plant Molecular Biology</i> , 2014, 85, 429-441.	2.0	31
1555	Salinity-induced accumulation of organic osmolytes in barley and wheat leaves correlates with increased oxidative stress tolerance: In <i>Planta</i> evidence for cross-tolerance. <i>Plant Physiology and Biochemistry</i> , 2014, 83, 32-39.	2.8	90
1556	Salt Marsh Halophyte Services to Metalloids: Metalloid Remediation: Assessment of the Processes and Underlying Mechanisms. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 2038-2106.	6.6	58
1557	Role of root hydrophobic barriers in salt exclusion of a mangrove plant <i>Sonneratia apetala</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 1656-1671.	2.8	103
1558	Characterization of salt-tolerance mechanisms in mycorrhizal (<i>Claroideoglobus etunicatum</i>) halophytic grass, <i>Puccinellia distans</i> . <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1713-1726.	1.0	24
1559	NAC transcription factor expression, amino acid concentration and growth of elite rice cultivars upon salt stress. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1927-1936.	1.0	16
1560	Effects of salt stress and exogenous Ca ²⁺ on Na ⁺ compartmentalization, ion pump activities of tonoplast and plasma membrane in <i>Nitraria tangutorum</i> Bobr. leaves. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2183-2193.	1.0	19
1561	Adventitious sprouting of <i>Pinus leiophylla</i> in response to salt stress. <i>Annals of Forest Science</i> , 2014, 71, 811-819.	0.8	10
1562	The strategy of Na ⁺ compartmentation and growth of <i>Atriplex centralasiatica</i> in adaptation to saline environments. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 238-245.	0.5	6
1563	Transcriptome differences between two sister desert poplar species under salt stress. <i>BMC Genomics</i> , 2014, 15, 337.	1.2	50
1564	Evaluating contribution of ionic, osmotic and oxidative stress components towards salinity tolerance in barley. <i>BMC Plant Biology</i> , 2014, 14, 113.	1.6	152

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1565	Differential proteomics of <i>Picrorhiza kurroa</i> Royle ex Benth. in response to dark stress. <i>Molecular Biology Reports</i> , 2014, 41, 6051-6062.	1.0	8
1566	Elicitation. <i>Advances in Agronomy</i> , 2014, , 201-230.	2.4	93
1567	Physiological and molecular characterization of the enhanced salt tolerance induced by low-dose gamma irradiation in <i>Arabidopsis</i> seedlings. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1010-1015.	1.0	31
1568	Comparative Study of Substrate-Based and Commercial Formulations of Arbuscular Mycorrhizal Fungi in Romaine Lettuce Subjected to Salt Stress. <i>Journal of Plant Nutrition</i> , 2014, 37, 1717-1731.	0.9	10
1569	Identification of trans-acting factors regulating SamDC expression in <i>Oryza sativa</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 398-403.	1.0	21
1570	Spermidine alleviates the growth of saline-stressed ginseng seedlings through antioxidative defense system. <i>Gene</i> , 2014, 537, 70-78.	1.0	88
1571	Lessons from crop plants struggling with salinity. <i>Plant Science</i> , 2014, 226, 2-13.	1.7	129
1572	Transcriptome analysis of salinity responsiveness in contrasting genotypes of finger millet (<i>Eleusine Tj ETQq1 1 0.784314 rgBT /Over</i>	2.0	899
1573	Plant-growth-promoting rhizobacteria to improve crop growth in saline soils: a review. <i>Agronomy for Sustainable Development</i> , 2014, 34, 737-752.	2.2	344
1574	Quantitative gene expression analysis of some sodium ion transporters under salinity stress in <i>Aeluropus litoralis</i> . <i>Saudi Journal of Biological Sciences</i> , 2014, 21, 394-399.	1.8	17
1575	Comparative physiological analysis of lotus (<i>Nelumbo nucifera</i>) cultivars in response to salt stress and cloning of NnCIPK genes. <i>Scientia Horticulturae</i> , 2014, 173, 29-36.	1.7	11
1576	Physiological parameters of salt tolerance during germination and seedling growth of <i>Sorghum bicolor</i> cultivars of the same subtropical origin. <i>Saudi Journal of Biological Sciences</i> , 2014, 21, 300-304.	1.8	22
1577	Overexpression of Glycine soja WRKY20 enhances both drought and salt tolerance in transgenic alfalfa (<i>Medicago sativa</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 77-86.	1.2	90
1578	Bcl-2 suppresses activation of VPEs by inhibiting cytosolic Ca ²⁺ level with elevated K ⁺ efflux in NaCl-induced PCD in rice. <i>Plant Physiology and Biochemistry</i> , 2014, 80, 168-175.	2.8	47
1579	Molecular indicators of chronic seagrass stress: A new era in the management of seagrass ecosystems?. <i>Ecological Indicators</i> , 2014, 38, 279-281.	2.6	33
1580	Differential response of antioxidative systems of maize (<sc>Z</sc>ea mays <sc>L</sc>.) roots cell walls to osmotic and heavy metal stress. <i>Plant Biology</i> , 2014, 16, 88-96.	1.8	24
1581	The role of water use and uptake on two Mediterranean shrubs' interaction in a brackish coastal dune ecosystem. <i>Ecohydrology</i> , 2014, 7, 783-793.	1.1	6
1582	Changes in Sugar Content and Antioxidant Activity of Allium Vegetables by Salinity-stress. <i>Food Science and Technology Research</i> , 2014, 20, 705-710.	0.3	4

#	ARTICLE	IF	CITATIONS
1583	A Multistep Screening Method to Identify Genes Using Evolutionary Transcriptome of Plants. <i>Evolutionary Bioinformatics</i> , 2014, 10, EBO.S14823.	0.6	4
1584	Manipulating the antioxidant capacity of halophytes to increase their cultural and economic value through saline cultivation. <i>AoB PLANTS</i> , 2014, 6, plu046-plu046.	1.2	68
1585	Genome-wide analysis of salt-responsive and novel microRNAs in <i>Populus euphratica</i> by deep sequencing. <i>BMC Genetics</i> , 2014, 15, S6.	2.7	43
1586	Potassium fertiliser enhances the salt-tolerance of common bean (<i>Phaseolus vulgaris</i> L.). <i>Journal of Horticultural Science and Biotechnology</i> , 2014, 89, 185-192.	0.9	31
1588	Selection of reliable reference genes for quantitative real-time RT-PCR in alfalfa. <i>Genes and Genetic Systems</i> , 2015, 90, 175-180.	0.2	35
1591	Exogenous Î±-tocopherol has a beneficial effect on <i>Glycine max</i> (L.) plants irrigated with diluted sea water. <i>Journal of Horticultural Science and Biotechnology</i> , 2015, 90, 195-202.	0.9	54
1592	Nuclear-localized AtHSPR links abscisic acid-dependent salt tolerance and antioxidant defense in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 84, 1274-1294.	2.8	51
1593	Plant-water relations of intertidal and subtidal seagrasses. <i>Marine Ecology</i> , 2015, 36, 1294-1310.	0.4	8
1594	Vesicular trafficking and salinity responses in plants. <i>IUBMB Life</i> , 2015, 67, 677-686.	1.5	50
1595	Neoproterozoic peritidal phosphorite from the Sete Lagoas Formation (Brazil) and the Precambrian phosphorus cycle. <i>Sedimentology</i> , 2015, 62, 1978-2008.	1.6	46
1596	Glutathione-induced drought stress tolerance in mung bean: coordinated roles of the antioxidant defence and methylglyoxal detoxification systems. <i>AoB PLANTS</i> , 2015, 7, plv069.	1.2	149
1598	Expression profiling of PAP3, BZIP, and P5CS genes in soybean under drought stress conditions. <i>Turkish Journal of Botany</i> , 2015, 39, 952-961.	0.5	2
1599	Effect of Salt Stress on Three Green Bean (<i>Phaseolus vulgaris</i> L.) Cultivars. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, 113-118.	0.5	11
1600	Antioxidant activity of heme oxygenase 1 in <i>Brassica juncea</i> (L.) Czern.(Indian mustard) under salt stress. <i>Turkish Journal of Biology</i> , 2015, 39, 540-549.	2.1	19
1601	VDAC2 involvement in the stress response pathway in <i>Arabidopsis thaliana</i> . <i>Genetics and Molecular Research</i> , 2015, 14, 15511-15519.	0.3	11
1602	Relative Salt Tolerance of Seven Strawberry Cultivars. <i>Horticulturae</i> , 2015, 1, 27-43.	1.2	30
1603	AMF Inoculation Enhances Growth and Improves the Nutrient Uptake Rates of Transplanted, Salt-Stressed Tomato Seedlings. <i>Sustainability</i> , 2015, 7, 15967-15981.	1.6	115
1604	Effect of Salinity and Temperature on Seed Germination and Seed Vigor Index of Chicory (<i>chichoriumintynus</i> L.), Cumin (<i>CuminumCyminium</i> L.) and Fennel (<i>Foeniculum Vulgare</i>). <i>Indian Journal of Science and Technology</i> , 2015, 8, .	0.5	6

#	ARTICLE	IF	CITATIONS
1605	bHLH106 Integrates Functions of Multiple Genes through Their G-Box to Confer Salt Tolerance on Arabidopsis. <i>PLoS ONE</i> , 2015, 10, e0126872.	1.1	53
1606	Expression and Functional Analysis of WRKY Transcription Factors in Chinese Wild Hazel, <i>Corylus heterophylla</i> Fisch. <i>PLoS ONE</i> , 2015, 10, e0135315.	1.1	11
1607	Single cell-type comparative metabolomics of epidermal bladder cells from the halophyte <i>Mesembryanthemum crystallinum</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 435.	1.7	43
1608	Proteomics, metabolomics, and ionomics perspectives of salinity tolerance in halophytes. <i>Frontiers in Plant Science</i> , 2015, 6, 537.	1.7	226
1609	Physio-biochemical and morphological characters of halophyte legume shrub, <i>Acacia ampliceps</i> seedlings in response to salt stress under greenhouse. <i>Frontiers in Plant Science</i> , 2015, 6, 630.	1.7	25
1610	Silicon enhanced salt tolerance by improving the root water uptake and decreasing the ion toxicity in cucumber. <i>Frontiers in Plant Science</i> , 2015, 6, 759.	1.7	111
1611	High temperature and vapor pressure deficit aggravate architectural effects but ameliorate non-architectural effects of salinity on dry mass production of tomato. <i>Frontiers in Plant Science</i> , 2015, 6, 887.	1.7	17
1612	Hypothesis: NDL proteins function in stress responses by regulating microtubule organization. <i>Frontiers in Plant Science</i> , 2015, 6, 947.	1.7	16
1613	Exploring Jasmonates in the Hormonal Network of Drought and Salinity Responses. <i>Frontiers in Plant Science</i> , 2015, 6, 1077.	1.7	221
1614	Calcium Mitigates Arsenic Toxicity in Rice Seedlings by Reducing Arsenic Uptake and Modulating the Antioxidant Defense and Glyoxalase Systems and Stress Markers. <i>BioMed Research International</i> , 2015, 1-12.	0.9	84
1615	The effect of salt stress on the germination of maize (<i>Zea mays</i> L.) seeds and photosynthetic pigments. <i>Acta Agriculturae Slovenica</i> , 2015, , 105, .	0.2	34
1617	Identification and Fine Mapping of a Mutation Conferring Salt Sensitivity in Rice (<i>Oryza sativa</i>) Tj ETQq1 1,0,784314,rgBT/Ole	0.8	11
1618	Rootstock breeding in <i>Prunus</i> species: Ongoing efforts and new challenges. <i>Chilean Journal of Agricultural Research</i> , 0, 75, 6-16.	0.4	42
1619	Molecular characterization of salinity tolerance in wheat (<i>Triticum aestivum</i> L.). <i>Archives of Agronomy and Soil Science</i> , 2015, , 1-8.	1.3	2
1620	Sequence and expression variations suggest an adaptive role for the DA1-like gene family in the evolution of soybeans. <i>BMC Plant Biology</i> , 2015, 15, 120.	1.6	14
1621	Legume-Rhizobia Symbiosis Under Stress. , 2015, , 241-258.		26
1622	Role of Nitric Oxide in Salt Stress-induced Programmed Cell Death and Defense Mechanisms. , 2015, , 193-219.		3
1623	Crop Plant Hormones and Environmental Stress. <i>Sustainable Agriculture Reviews</i> , 2015, , 371-400.	0.6	196

#	ARTICLE	IF	CITATIONS
1624	Effect of phosphogypsum on growth, physiology, and the antioxidative defense system in sunflower seedlings. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14829-14840.	2.7	43
1625	Salt Adaptation Mechanisms of Halophytes: Improvement of Salt Tolerance in Crop Plants. , 2015, , 243-279.		36
1626	Salt Stress in Higher Plants: Mechanisms of Toxicity and Defensive Responses. , 2015, , 1-33.		9
1627	Signal Perception and Mechanism of Salt Toxicity/Tolerance in Photosynthetic Organisms: Cyanobacteria to Plants. , 2015, , 79-113.		3
1628	Response of Wheat Seedlings to Combined Effect of Drought and Salinity. , 2015, , 159-198.		3
1629	Chrysanthemum WRKY gene CmWRKY17 negatively regulates salt stress tolerance in transgenic chrysanthemum and Arabidopsis plants. <i>Plant Cell Reports</i> , 2015, 34, 1365-1378.	2.8	87
1630	Effects of salinity stress on water desalination, olive tree (<i>Olea europaea</i> L. cvs "Picholine"™, "Meski"™ and "Tj ETQq0,0 0 rgBT /	4.0	41
1631	Trends in genetic engineering of plants with (Na ⁺ /H ⁺) antiporters for salt stress tolerance. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 815-825.	0.5	17
1632	The Positive Effects of Silicon on Rice Seedlings Under Saline-Alkali Mixed Stress. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 2127-2138.	0.6	9
1633	The role of putrescine against the long terminal repeat (LTR) retrotransposon polymorphisms induced by salinity stress in <i>Triticum aestivum</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	18
1634	RNA-Seq Transcriptome Analysis in Date Palm Suggests Multi-Dimensional Responses to Salinity Stress. <i>Tropical Plant Biology</i> , 2015, 8, 74-86.	1.0	25
1635	Molecular cloning and characterization of salt inducible dehydrin gene from the C4 plant <i>Pennisetum glaucum</i> . <i>Plant Gene</i> , 2015, 4, 55-63.	1.4	30
1636	The effects of salinity stress on morphological characteristics, mineral nutrient accumulation and essential oil yield and composition in <i>Mentha canadensis</i> L.. <i>Scientia Horticulturae</i> , 2015, 197, 579-583.	1.7	52
1637	HKT transporters mediate salt stress resistance in plants: from structure and function to the field. <i>Current Opinion in Biotechnology</i> , 2015, 32, 113-120.	3.3	195
1638	AtDsPTP1 acts as a negative regulator in osmotic stress signalling during <i>Arabidopsis</i> seed germination and seedling establishment. <i>Journal of Experimental Botany</i> , 2015, 66, 1339-1353.	2.4	31
1639	Arbuscular mycorrhizal inoculation improves growth and antioxidative response of <i>Jatropha curcas</i> (L.) under Na ₂ SO ₄ salt stress. <i>Plant Biosystems</i> , 2015, 149, 260-269.	0.8	40
1640	Salt stress induced modulation of chlorophyll biosynthesis during de-etiolation of rice seedlings. <i>Physiologia Plantarum</i> , 2015, 153, 477-491.	2.6	81
1641	Physiological factors involved in positive effects of elevated carbon dioxide concentration on Bermudagrass tolerance to salinity stress. <i>Environmental and Experimental Botany</i> , 2015, 115, 20-27.	2.0	50

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1642	Biodiversity in Saline and Non-Saline Soils Along the Bohai Sea Coast, China. <i>Pedosphere</i> , 2015, 25, 307-315.	2.1	14
1643	Salt stress in maize: effects, resistance mechanisms, and management. A review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 461-481.	2.2	459
1644	Influence of Exogenous Application of Silicon and Potassium on Physiological Responses, Yield, and Yield Components of Salt-Stressed Wheat. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 109-122.	0.6	22
1645	Response of broomcorn millet (<i>Panicum miliaceum</i> L.) genotypes from semiarid regions of China to salt stress. <i>Crop Journal</i> , 2015, 3, 57-66.	2.3	23
1646	Salicylic acid in plant salinity stress signalling and tolerance. <i>Plant Growth Regulation</i> , 2015, 76, 25-40.	1.8	186
1647	Male poplars have a stronger ability to balance growth and carbohydrate accumulation than do females in response to a short-term potassium deficiency. <i>Physiologia Plantarum</i> , 2015, 155, 400-413.	2.6	18
1648	Over-expression of SIWRKY39 leads to enhanced resistance to multiple stress factors in tomato. <i>Journal of Plant Biology</i> , 2015, 58, 52-60.	0.9	77
1649	Adaptations of Chloroplastic Metabolism in Halophytic Plants. <i>Progress in Botany Fortschritte Der Botanik</i> , 2015, , 177-193.	0.1	12
1650	Overexpression of the <i>PtSOS2</i> gene improves tolerance to salt stress in transgenic poplar plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 962-973.	4.1	51
1651	Linking osmotic adjustment and stomatal characteristics with salinity stress tolerance in contrasting barley accessions. <i>Functional Plant Biology</i> , 2015, 42, 252.	1.1	43
1652	Induction of salt tolerance and up-regulation of aquaporin genes in tropical corn by rhizobacterium <i>Pantoea agglomerans</i> . <i>Letters in Applied Microbiology</i> , 2015, 60, 392-399.	1.0	97
1653	Diversity, distribution and roles of osmoprotective compounds accumulated in halophytes under abiotic stress. <i>Annals of Botany</i> , 2015, 115, 433-447.	1.4	703
1654	Molecular Characterization and Identification of Target Protein of an Important Vesicle Trafficking Gene <i>AlRab7</i> from a Salt Excreting Halophyte <i>Aeluropus lagopoides</i> . <i>DNA and Cell Biology</i> , 2015, 34, 83-91.	0.9	12
1655	Deciphering the protective role of spermidine against saline-alkaline stress at physiological and proteomic levels in tomato. <i>Phytochemistry</i> , 2015, 110, 13-21.	1.4	40
1656	<i>HYPERSENSITIVE RESPONSE-LIKE LESIONS 1</i> Codes for AtPPT1 and Regulates Accumulation of ROS and Defense Against Bacterial Pathogen <i>Pseudomonas syringae</i> in <i>Arabidopsis thaliana</i> . <i>Antioxidants and Redox Signaling</i> , 2015, 22, 785-796.	2.5	17
1657	The Sophora Alopecuroid H ⁺ -PPase Gene SaVP1 Confers Multiple Abiotic Stress Tolerance in <i>Arabidopsis</i> . <i>Plant Molecular Biology Reporter</i> , 2015, 33, 923-930.	1.0	3
1658	Accumulation of high contents of free amino acids in the leaves of <i>Nicotiana benthamiana</i> by the co-suppression of NbClpC1 and NbClpC2 genes. <i>Plant Cell Reports</i> , 2015, 34, 355-365.	2.8	14
1659	bZIP17 and bZIP60 Regulate the Expression of BiP3 and Other Salt Stress Responsive Genes in an UPR-Independent Manner in <i>Arabidopsis thaliana</i> . <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1638-1645.	1.2	57

#	ARTICLE	IF	CITATIONS
1660	Arabidopsis Qc-SNARE gene AtSFT12 is involved in salt and osmotic stress responses and Na ⁺ accumulation in vacuoles. <i>Plant Cell Reports</i> , 2015, 34, 1127-1138.	2.8	26
1661	AtHKT1;1 and AtHAK5 mediate low-affinity Na ⁺ uptake in <i>Arabidopsis thaliana</i> under mild salt stress. <i>Plant Growth Regulation</i> , 2015, 75, 615-623.	1.8	36
1662	The RING finger E3 ligase STRF1 is involved in membrane trafficking and modulates salt stress response in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2015, 82, 81-92.	2.8	61
1663	Genome-wide identification and characterization of the DREB transcription factor gene family in mulberry. <i>Biologia Plantarum</i> , 2015, 59, 253-265.	1.9	42
1664	Industrial dust sulphate and its effects on biochemical and morphological characteristics of <i>Morus</i> (<i>Morus alba</i>) plant in NCR Delhi. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 67.	1.3	29
1665	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
1666	Genome-wide identification of galactinol synthase (GolS) genes in <i>Solanum lycopersicum</i> and <i>Brachypodium distachyon</i> . <i>Computational Biology and Chemistry</i> , 2015, 58, 149-157.	1.1	17
1667	Exogenous proline reduces NaCl-induced damage by mediating ionic and osmotic adjustment and enhancing antioxidant defense in <i>Eurya emarginata</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	36
1668	Recombinant glycinebetaine improves metabolic activities, ionic balance and salt tolerance in diazotrophic freshwater cyanobacteria. <i>Algal Research</i> , 2015, 11, 194-203.	2.4	11
1669	Role of the Plasma Membrane in Saline Conditions: Lipids and Proteins. <i>Botanical Review</i> , The, 2015, 81, 416-451.	1.7	53
1670	Is salt stress tolerance in <i>Casuarina glauca</i> Sieb. ex Spreng. associated with its nitrogen-fixing root-nodule symbiosis? An analysis at the photosynthetic level. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 97-109.	2.8	34
1671	Determination of Mannitol Sorbitol and Myo-Inositol in Olive Tree Roots and Rhizospheric Soil by Gas Chromatography and Effect of Severe Drought Conditions on Their Profiles. <i>Journal of Chromatographic Science</i> , 2015, 53, 1631-1638.	0.7	29
1672	Proline synthesis in barley under iron deficiency and salinity. <i>Journal of Plant Physiology</i> , 2015, 183, 121-129.	1.6	36
1673	Photosynthetic characteristics of the benthic diatom species <i>Nitzschia frustulum</i> (Kützting) Grunow isolated from a soda pan along temperature-, sulfate- and chloride gradients. <i>Aquatic Ecology</i> , 2015, 49, 401-416.	0.7	19
1674	<i>Azospirillum brasilense</i> increased salt tolerance of jojoba during in vitro rooting. <i>Industrial Crops and Products</i> , 2015, 76, 41-48.	2.5	50
1675	Small and Large G Proteins in Biotic and Abiotic Stress Responses in Plants. , 2015, , 231-270.		6
1676	Construction and analysis of an <i>Oryza sativa</i> (cv. MR219) salinity-related cDNA library. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	3
1677	Overexpression of a <i>Populus trichocarpa</i> H ⁺ -pyrophosphatase gene PtVP1.1 confers salt tolerance on transgenic poplar. <i>Tree Physiology</i> , 2015, 35, 663-677.	1.4	45

#	ARTICLE	IF	CITATIONS
1678	Heterologous expression of the halophyte <i>Zoysia matrella</i> H ⁺ -pyrophosphatase gene improved salt tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 91, 49-55.	2.8	32
1679	The heterotrimeric G β -protein γ^2 subunit, AGB1, plays multiple roles in the <i>Arabidopsis</i> salinity response. <i>Plant, Cell and Environment</i> , 2015, 38, 2143-2156.	2.8	37
1680	Seed priming stimulate germination and early seedling growth of Chinese cabbage under drought stress. <i>South African Journal of Botany</i> , 2015, 99, 88-92.	1.2	86
1681	Effects of water-stress on growth and physiological changes in <i>Pterocarya stenoptera</i> seedlings. <i>Scientia Horticulturae</i> , 2015, 190, 11-23.	1.7	13
1682	Fast responses of metabolites in <i>Vicia faba</i> L. to moderate NaCl stress. <i>Plant Physiology and Biochemistry</i> , 2015, 92, 19-29.	2.8	19
1683	Screening inland halophytes from the central Balkan for their antioxidant activity in relation to total phenolic compounds and flavonoids: Are there any prospective medicinal plants?. <i>Journal of Arid Environments</i> , 2015, 120, 26-32.	1.2	57
1684	Protective effect of spermidine on salt stress induced oxidative damage in two Kentucky bluegrass (<i>Poa pratensis</i> L.) cultivars. <i>Ecotoxicology and Environmental Safety</i> , 2015, 117, 96-106.	2.9	100
1685	Bistability of mangrove forests and competition with freshwater plants. <i>Agricultural and Forest Meteorology</i> , 2015, 213, 283-290.	1.9	8
1686	Plant water relations and ion homeostasis of Mediterranean seagrasses (<i>Posidonia oceanica</i> and <i>Thalassia testudinum</i>). <i>Journal of Experimental Botany</i> , 2015, 56, 107-115.	0.7	35
1687	Overexpression of maize chloride channel gene ZmCLC-d in <i>Arabidopsis thaliana</i> improved its stress resistance. <i>Biologia Plantarum</i> , 2015, 59, 55-64.	1.9	26
1688	Nitric oxide mediates hydrogen peroxide- and salicylic acid-induced salt tolerance in rice (<i>Oryza sativa</i>). <i>Plant Physiology</i> , 2015, 168, 98-108.	1.8	98
1689	Sodium chloride induced changes in photosynthetic performance and biochemical components of <i>Salvia macrosiphon</i> . <i>Indian Journal of Plant Physiology</i> , 2015, 20, 79-85.	0.8	3
1690	Salt Stress Reduces Root Meristem Size by Nitric Oxide-Mediated Modulation of Auxin Accumulation and Signaling in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 168, 343-356.	2.3	310
1691	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
1692	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
1693	Endophytic bacteria (<i>Sphingomonas</i> sp. LK11) and gibberellin can improve <i>Solanum lycopersicum</i> growth and oxidative stress under salinity. <i>Journal of Plant Interactions</i> , 2015, 10, 117-125.	1.0	113
1694	Jasmonate-induced tolerance of Hassawi okra seedlings to salinity in brackish water. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	34
1696	A Novel U-Box Protein Gene from <i>Zuoshany</i> Grapevine (<i>Vitis amurensis</i> Rupr. cv.) Involved in Cold Responsive Gene Expression in <i>Arabidopsis thaliana</i> . <i>Plant Molecular Biology Reporter</i> , 2015, 33, 557-568.	1.0	9

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1697	Phenotyping for Problem Soils. , 2015, , 129-146.		3
1698	Influence of exogenous application of glycinebetaine on antioxidative system and growth of salt-stressed soybean seedlings (<i>Glycine max</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 225-232.	1.4	74
1699	SKIP Confers Osmotic Tolerance during Salt Stress by Controlling Alternative Gene Splicing in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2015, 8, 1038-1052.	3.9	140
1700	A chimeric vacuolar Na ⁺ /H ⁺ antiporter gene evolved by DNA family shuffling confers increased salt tolerance in yeast. <i>Journal of Biotechnology</i> , 2015, 203, 1-8.	1.9	13
1701	Pea lectin receptor-like kinase functions in salinity adaptation without yield penalty, by alleviating osmotic and ionic stresses and upregulating stress-responsive genes. <i>Plant Molecular Biology</i> , 2015, 88, 193-206.	2.0	58
1702	Insights into the physiological responses of the facultative halophyte <i>Aeluropus litoralis</i> to the combined effects of salinity and phosphorus availability. <i>Journal of Plant Physiology</i> , 2015, 189, 1-10.	1.6	17
1703	<i>Nicotiana sylvestris</i> calcineurin B-like protein NsYL10 enhances salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2015, 34, 2053-2063.	2.8	17
1704	Screening Six Varieties of Rice (<i>Oryza sativa</i>) for Salinity Tolerance. <i>Procedia Environmental Sciences</i> , 2015, 28, 78-87.	1.3	20
1705	Wheat TaSP gene improves salt tolerance in transgenic <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 97, 187-195.	2.8	12
1706	Influence of NaCl on photosynthesis and nitrogen metabolism of cyanobacterium <i>Nostoc calcicola</i> . <i>Applied Biochemistry and Microbiology</i> , 2015, 51, 720-725.	0.3	7
1707	Drought stress tolerance mediated by zinc-induced antioxidative defense and osmotic adjustment in cotton (<i>Gossypium hirsutum</i>). <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	63
1708	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
1709	Influence of arbuscular mycorrhizal fungi and treated wastewater on water relations and leaf structure alterations of <i>Viburnum tinus</i> L. plants during both saline and recovery periods. <i>Journal of Plant Physiology</i> , 2015, 188, 96-105.	1.6	22
1710	Identification and transcriptomic profiling of genes involved in increasing sugar content during salt stress in sweet sorghum leaves. <i>BMC Genomics</i> , 2015, 16, 534.	1.2	144
1711	Increasing cyclic electron flow is related to Na ⁺ sequestration into vacuoles for salt tolerance in soybean. <i>Journal of Experimental Botany</i> , 2015, 66, 6877-6889.	2.4	73
1712	Wheat mitogen-activated protein kinase gene TaMPK4 improves plant tolerance to multiple stresses through modifying root growth, ROS metabolism, and nutrient acquisitions. <i>Plant Cell Reports</i> , 2015, 34, 2081-2097.	2.8	42
1713	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
1714	The mechanism of the acclimation of <i>Nannochloropsis oceanica</i> to freshwater deduced from its transcriptome profiles. <i>Journal of Ocean University of China</i> , 2015, 14, 922-930.	0.6	7

#	ARTICLE	IF	CITATIONS
1715	Salt stress response in the halophyte <i>Limoniastrum guyonianum</i> Boiss. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2015, 217, 1-9.	0.6	19
1716	Two alternative splicing variants of maize HKT1;1 confer salt tolerance in transgenic tobacco plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 123, 569-578.	1.2	22
1717	Genotypic variability in physiological, biomass and yield response to drought stress in pigeonpea. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 541-549.	1.4	7
1718	Choline priming-induced plasma membrane lipid alterations contributed to improved wheat salt tolerance. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	47
1719	Isolation and detection of transcript-derived fragments (TDFs) in NaCl-stressed black locust (<i>Robinia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tj	1.0	10
1720	Salt stress-induced protein pattern associated with photosynthetic parameters and andrographolide content in <i>Andrographis paniculata</i> Nees. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 51-58.	0.6	13
1721	The pepper late embryogenesis abundant protein <i>CaLEA1</i> acts in regulating abscisic acid signaling, drought and salt stress response. <i>Physiologia Plantarum</i> , 2015, 154, 526-542.	2.6	33
1722	Intrinsic stability of Brassicaceae plasma membrane in relation to changes in proteins and lipids as a response to salinity. <i>Journal of Plant Physiology</i> , 2015, 175, 148-156.	1.6	48
1723	Proteomic analysis of changes in the <i>Kandelia candel</i> chloroplast proteins reveals pathways associated with salt tolerance. <i>Plant Science</i> , 2015, 231, 159-172.	1.7	50
1724	Sodium, but not potassium, enhances root to leaf nitrate translocation in Swiss chard (<i>Beta vulgaris</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 14	2.0	14
1725	Exogenous glutathione confers high temperature stress tolerance in mung bean (<i>Vigna radiata</i> L.) by modulating antioxidant defense and methylglyoxal detoxification system. <i>Environmental and Experimental Botany</i> , 2015, 112, 44-54.	2.0	205
1726	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
1727	Effects of salinity and nitrogen supply on the quality and health-related compounds of strawberry fruits (<i>Fragaria</i> – <i>ananassa</i> cv. Primoris). <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 2924-2930.	1.7	46
1728	Heat shock factors in carrot: genome-wide identification, classification, and expression profiles response to abiotic stress. <i>Molecular Biology Reports</i> , 2015, 42, 893-905.	1.0	54
1729	Improved callus induction, shoot regeneration, and salt stress tolerance in <i>Arabidopsis</i> overexpressing superoxide dismutase from <i>Potentilla atrosanguinea</i> . <i>Protoplasma</i> , 2015, 252, 41-51.	1.0	24
1730	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
1731	Abiotic Stress Responses in Legumes: Strategies Used to Cope with Environmental Challenges. <i>Critical Reviews in Plant Sciences</i> , 2015, 34, 237-280.	2.7	212
1732	Some aspects of salinity responses in peppermint (<i>Mentha piperita</i> L.) to NaCl treatment. <i>Protoplasma</i> , 2015, 252, 885-899.	1.0	15

#	ARTICLE	IF	CITATIONS
1733	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
1734	Functional biology of halophytes in the phytoremediation of heavy metal contaminated soils. <i>Environmental and Experimental Botany</i> , 2015, 111, 135-146.	2.0	172
1735	Comparative expression of candidate genes involved in sodium transport and compartmentation in citrus. <i>Environmental and Experimental Botany</i> , 2015, 111, 52-62.	2.0	29
1736	Enhanced root hydraulic conductance by aquaporin regulation accounts for silicon alleviated salt-induced osmotic stress in <i>Sorghum bicolor</i> L. <i>Environmental and Experimental Botany</i> , 2015, 111, 42-51.	2.0	188
1737	The selective breeding of the freshwater microalga <i>Chlamydomonas reinhardtii</i> for growth in salinity. <i>Bioresource Technology</i> , 2015, 184, 18-22.	4.8	33
1738	Selection of salt tolerant purple nonsulfur bacteria producing 5-aminolevulinic acid (ALA) and reducing methane emissions from microbial rice straw degradation. <i>Applied Soil Ecology</i> , 2015, 86, 113-120.	2.1	32
1739	Cloning and characterization of a novel vacuolar Na ⁺ /H ⁺ antiporter gene (VuNHX1) from drought hardy legume, cowpea for salt tolerance. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 19-33.	1.2	18
1740	The development of halophyte-based agriculture: past and present. <i>Annals of Botany</i> , 2015, 115, 529-540.	1.4	203
1741	Adaptation involved in nitrogen metabolism in sea ice alga <i>Chlamydomonas</i> sp. ICE-L to Antarctic extreme environments. <i>Journal of Applied Phycology</i> , 2015, 27, 787-796.	1.5	6
1742	Anatomical and physiological adaptations of mangroves. <i>Wetlands Ecology and Management</i> , 2015, 23, 357-370.	0.7	33
1743	Effects of Salinity and Mycorrhizal Inoculation (<i>Glomus fasciculatum</i>) on Growth Responses of Grape Rootstocks (<i>Vitis</i> spp.). <i>South African Journal of Enology and Viticulture</i> , 2016, 31, .	0.8	6
1744	Phytochemical, nutritional and anti-nutritional properties of leaves, stems bark and roots of trees used in popular medicine for the treatment of malaria in South Eastern Nigeria. <i>Journal of Medicinal Plants Research</i> , 2016, 10, 662-668.	0.2	3
1745	Proteomic analysis of halotolerant proteins under high and low salt stress in <i>Dunaliella salina</i> using two-dimensional differential in-gel electrophoresis. <i>Genetics and Molecular Biology</i> , 2016, 39, 239-247.	0.6	10
1746	Rootstock Breeding for Abiotic Stress Tolerance in Citrus. , 0, , .		22
1747	In-Silico Prediction and Functional Analysis of Salt Stress Responsive Genes in Rice (<i>Oryza sativa</i>). <i>Rice Research Open Access</i> , 2016, 4, .	0.4	7
1748	Exploration and Utilization of Drought-Tolerant Barley Germplasm. , 2016, , 115-152.		3
1749	Advances in Plant Tolerance to Abiotic Stresses. , 0, , .		30
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#	ARTICLE	IF	CITATIONS
1751	Effect of salicylic acid (SA) seeds soaking on the NaCl salt stress induced changes in soluble sugar and protein accumulation in organs of two genotypes of okra plants. <i>African Journal of Plant Science</i> , 2016, 10, 105-110.	0.4	4
1752	Halophyte Transcriptomics. , 2016, , 157-175.		5
1753	Salinity and High Temperature Tolerance in Mungbean [<i>Vigna radiata</i> (L.) Wilczek] from a Physiological Perspective. <i>Frontiers in Plant Science</i> , 2016, 7, 957.	1.7	120
1754	Salinity Differentially Affects Growth and Ecophysiology of Two Mastic Tree (<i>Pistacia lentiscus</i> L.) Accessions. <i>Forests</i> , 2016, 7, 156.	0.9	12
1755	De Novo Transcriptome Sequencing of Desert Herbaceous <i>Achnatherum splendens</i> (<i>Achnatherum</i>) Seedlings and Identification of Salt Tolerance Genes. <i>Genes</i> , 2016, 7, 12.	1.0	20
1756	ABA Is Required for Plant Acclimation to a Combination of Salt and Heat Stress. <i>PLoS ONE</i> , 2016, 11, e0147625.	1.1	267
1757	Overexpression of an <i>Apocynum venetum</i> DEAD-Box Helicase Gene (<i>AvDH1</i>) in Cotton Confers Salinity Tolerance and Increases Yield in a Saline Field. <i>Frontiers in Plant Science</i> , 2015, 6, 1227.	1.7	22
1758	Coordinated Changes in Antioxidative Enzymes Protect the Photosynthetic Machinery from Salinity Induced Oxidative Damage and Confer Salt Tolerance in an Extreme Halophyte <i>Salvadora persica</i> L. <i>Frontiers in Plant Science</i> , 2016, 7, 50.	1.7	105
1759	Improved Shoot Regeneration, Salinity Tolerance and Reduced Fungal Susceptibility in Transgenic Tobacco Constitutively Expressing PR-10a Gene. <i>Frontiers in Plant Science</i> , 2016, 7, 217.	1.7	22
1760	Physiological, Anatomical and Metabolic Implications of Salt Tolerance in the Halophyte <i>Salvadora persica</i> under Hydroponic Culture Condition. <i>Frontiers in Plant Science</i> , 2016, 7, 351.	1.7	84
1761	A SNARE-Like Superfamily Protein <i>SbSLS</i> 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
1762	The Photosynthesis, Na ⁺ /K ⁺ Homeostasis and Osmotic Adjustment of <i>Atriplex canescens</i> in Response to Salinity. <i>Frontiers in Plant Science</i> , 2016, 7, 848.	1.7	74
1763	Genome-Wide Association Study Identifies Loci for Salt Tolerance during Germination in Autotetraploid Alfalfa (<i>Medicago sativa</i> L.) Using Genotyping-by-Sequencing. <i>Frontiers in Plant Science</i> , 2016, 7, 956.	1.7	75
1764	Rice Stress Associated Protein 1 (<i>OsSAP1</i>) Interacts with Aminotransferase (<i>OsAMTR1</i>) and Pathogenesis-Related 1a Protein (<i>OsSCP</i>) and Regulates Abiotic Stress Responses. <i>Frontiers in Plant Science</i> , 2016, 7, 1057.	1.7	75
1765	Proteomic Studies on the Effects of Lipo-Chitooligosaccharide and Thuricin 17 under Unstressed and Salt Stressed Conditions in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1314.	1.7	50
1766	Physiological Basis and Transcriptional Profiling of Three Salt-Tolerant Mutant Lines of Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 1462.	1.7	13
1767	Assessment of Stress Tolerance, Productivity, and Forage Quality in T1 Transgenic Alfalfa Co-overexpressing <i>ZxNHX</i> and <i>ZxVP1-1</i> from <i>Zygophyllum xanthoxylum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1598.	1.7	26
1768	A Halotolerant Bacterium <i>Bacillus licheniformis</i> HSW-16 Augments Induced Systemic Tolerance to Salt Stress in Wheat Plant (<i>Triticum aestivum</i>). <i>Frontiers in Plant Science</i> , 2016, 7, 1890.	1.7	131

#	ARTICLE	IF	CITATIONS
1769	Plant growth promoting rhizobacteria to alleviate soybean growth under abiotic and biotic stresses. , 2016, , 131-155.		7
1770	Recent Advances in Seed Enhancements. , 0, , .		17
1771	Molecular and Morphophysiological Analysis of Drought Stress in Plants. , 0, , .		20
1772	Salinity Tolerance Mechanism of Economic Halophytes From Physiological to Molecular Hierarchy for Improving Food Quality. Current Genomics, 2016, 17, 207-214.	0.7	51
1773	Genomics of Salinity Tolerance in Plants. , 0, , .		9
1774	Static magnetic field treatment of seeds improves carbon and nitrogen metabolism under salinity stress in soybean. Bioelectromagnetics, 2016, 37, 455-470.	0.9	45
1775	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. Physiologia Plantarum, 2016, 158, 168-179.	2.6	31
1776	Function of Heat-Shock Proteins in Drought Tolerance Regulation of Plants. , 2016, , 163-185.		30
1777	Multiwalled carbon nanotubes enter broccoli cells enhancing growth and water uptake of plants exposed to salinity. Journal of Nanobiotechnology, 2016, 14, 42.	4.2	167
1778	Joint genetic and network analyses identify loci associated with root growth under NaCl stress in <i>Arabidopsis thaliana</i> . Plant, Cell and Environment, 2016, 39, 918-934.	2.8	53
1779	Effect of Foliar Application of GA3, Kinetin, and Salicylic Acid on Ions Content, Membrane Permeability and Photosynthesis under Salt stress of Sweet Sorghum. Canadian Journal of Plant Science, 0, , .	0.3	5
1780	Osmolyte cooperation affects turgor dynamics in plants. Scientific Reports, 2016, 6, 30139.	1.6	17
1781	Effects of salt stress on some physiological parameters and mineral element contents of onion (<i>Allium cepa</i> L.) plants. Acta Horticulturae, 2016, , 179-186.	0.1	5
1782	Regulation of ion homeostasis by aminolevulinic acid in salt-stressed wheat seedlings. AIP Conference Proceedings, 2016, , .	0.3	0
1783	Sodium uptake of <i>Iris wilsonii</i> and its photosynthetic responses to high-salinity stress in microcosm submerged beds. Water Science and Technology, 2016, 74, 2185-2191.	1.2	0
1784	Diurnal and circadian regulation of salt tolerance in <i>Arabidopsis</i> . Journal of Plant Biology, 2016, 59, 569-578.	0.9	18
1785	The relationship between salt gland density and sodium accumulation/secretion in a wide selection from three <i>Zoysia</i> species. Australian Journal of Botany, 2016, 64, 277.	0.3	16
1786	Water deficit stress tolerance in chickpea is mediated by the contribution of integrative defence systems in different tissues of the plant. Functional Plant Biology, 2016, 43, 903.	1.1	6

#	ARTICLE	IF	CITATIONS
1787	Proteomic responses in shoots of the facultative halophyte <i>Aeluropus litoralis</i> (Poaceae) under NaCl salt stress. <i>Functional Plant Biology</i> , 2016, 43, 1028.	1.1	12
1788	Hyperosmosis and its combination with nutrient-limitation are novel environmental stressors for induction of triacylglycerol accumulation in cells of <i>Chlorella kessleri</i> . <i>Scientific Reports</i> , 2016, 6, 25825.	1.6	18
1789	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
1790	Is foliar spray of proline sufficient for mitigation of salt stress in <i>Brassica juncea</i> cultivars?. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13413-13423.	2.7	35
1791	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
1792	Molecular cloning and characterization of drought stress responsive abscisic acid-stress-ripening (Asr 1) gene from wild jujube, <i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn. <i>Molecular Biology Reports</i> , 2016, 43, 849-859.	1.0	30
1793	Wheat WRKY Type Transcription Factor Gene TaWRKY1 is Essential in Mediating Drought Tolerance Associated with an ABA-Dependent Pathway. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 1111-1126.	1.0	40
1794	Allantoin accumulation mediated by allantoinase downregulation and transport by Ureide Permease 5 confers salt stress tolerance to <i>Arabidopsis</i> plants. <i>Plant Molecular Biology</i> , 2016, 91, 581-595.	2.0	67
1795	Do microbial osmolytes or extracellular depolymerisation products accumulate as soil dries?. <i>Soil Biology and Biochemistry</i> , 2016, 98, 54-63.	4.2	48
1796	Analysis of salt-induced physiological and proline changes in 46 switchgrass (<i>Panicum virgatum</i>) lines indicates multiple response modes. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 203-212.	2.8	54
1797	Exploring novel genetic sources of salinity tolerance in rice through molecular and physiological characterization. <i>Annals of Botany</i> , 2016, 117, 1083-1097.	1.4	102
1798	The <i>Hevea brasiliensis</i> XIP aquaporin subfamily: genomic, structural and functional characterizations with relevance to intensive latex harvesting. <i>Plant Molecular Biology</i> , 2016, 91, 375-396.	2.0	16
1799	Effect of abiotic stress on growth parameters and steviol glycoside content in <i>Stevia rebaudiana</i> (Bertoni) raised in vitro. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2016, 3, 160-167.	0.9	25
1800	Halophytes as a source of salt tolerance genes and mechanisms: a case study for the Salt Lake area, Turkey. <i>Functional Plant Biology</i> , 2016, 43, 575.	1.1	21
1801	<i>Arabidopsis</i> CALCINEURIN B-LIKE10 Functions Independently of the SOS Pathway during Reproductive Development in Saline Conditions. <i>Plant Physiology</i> , 2016, 171, 369-379.	2.3	31
1802	Plasticity to salinity and transgenerational effects in the nonnative shrub <i>Baccharis halimifolia</i> : Insights into an estuarine invasion. <i>American Journal of Botany</i> , 2016, 103, 808-820.	0.8	22
1803	Treatment with spermidine protects chrysanthemum seedlings against salinity stress damage. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 260-270.	2.8	15
1804	Salt stress induces internalization of plasma membrane aquaporin into the vacuole in <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 742-746.	1.0	71

#	ARTICLE	IF	CITATIONS
1805	<i>Bioinspiration and Biomimetics</i> , 2016, 11, 041001.	1.5	21
1806	Exploring lipid 2H/1H fractionation mechanisms in response to salinity with continuous cultures of the diatom <i>Thalassiosira pseudonana</i> . <i>Organic Geochemistry</i> , 2016, 101, 154-165.	0.9	26
1807	Oxidative defense metabolites induced by salinity stress in roots of <i>Salicornia herbacea</i> . <i>Journal of Plant Physiology</i> , 2016, 206, 133-142.	1.6	26
1808	Competition, salinity, and clonal growth in native and introduced irises. <i>American Journal of Botany</i> , 2016, 103, 1575-1581.	0.8	20
1809	Grapevine RD22a constitutive expression in tobacco enhances stomatal adjustment and confers drought tolerance. <i>Theoretical and Experimental Plant Physiology</i> , 2016, 28, 395-413.	1.1	4
1810	Comparative analysis of microRNAs and putative target genes in hybrid clone <i>Paulownia 'yuza 1'</i> under drought stress. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	3
1811	Effects of salt stress on the expression of key genes related to nitrogen assimilation and transport in the roots of the cultivated tomato and its wild salt-tolerant relative. <i>Scientia Horticulturae</i> , 2016, 211, 70-78.	1.7	30
1812	Different forms of osmotic stress evoke qualitatively different responses in rice. <i>Journal of Plant Physiology</i> , 2016, 202, 45-56.	1.6	25
1813	Degraded Soils: Origin, Types and Management. , 2016, , 23-65.		9
1814	Boron Toxicity in Salt-Affected Soils and Effects on Plants. , 2016, , 259-286.		1
1815	Salt tolerance traits in <i>Deschampsia antarctica</i> Desv.. <i>Antarctic Science</i> , 2016, 28, 462-472.	0.5	7
1816	Effect of salt stress on ion concentration, proline content, antioxidant enzyme activities and gene expression in tomato cultivars. <i>AoB PLANTS</i> , 2016, 8, .	1.2	172
1817	Manganese-induced salt stress tolerance in rice seedlings: regulation of ion homeostasis, antioxidant defense and glyoxalase systems. <i>Physiology and Molecular Biology of Plants</i> , 2016, 22, 291-306.	1.4	112
1818	Microbially Mediated Plant Salt Tolerance and Microbiome-based Solutions for Saline Agriculture. <i>Biotechnology Advances</i> , 2016, 34, 1245-1259.	6.0	315
1819	Ion concentrations in seagrass: A comparison of results from field and controlled-environment studies. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 181, 209-217.	0.9	9
1820	Plant Interactomics Under Salt and Drought Stress. , 2016, , 493-514.		0
1822	Physiological and Molecular Insights into Mechanisms for Salt Tolerance in Plants. , 2016, , 321-349.		3
1823	Impact of potassium sulfate salinity on growth and development of cranberry plants subjected to overhead and subirrigation ¹ . <i>Canadian Journal of Soil Science</i> , 0, , 1-11.	0.5	5

#	ARTICLE	IF	CITATIONS
1824	Mitigating Abiotic Stresses in Crop Plants by Arbuscular Mycorrhizal Fungi. Signaling and Communication in Plants, 2016, , 341-400.	0.5	26
1825	Physiological property and yield of the sweet sorghum mutants induced by heavy ion irradiation. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	1.3	3
1826	Role of Genetics and Genomics in Mitigating Abiotic Stresses in Soybeans. , 2016, , 205-228.		2
1827	Phosphofructokinase and glucose-6-phosphate dehydrogenase in response to drought and bicarbonate stress at transcriptional and functional levels in mulberry. Russian Journal of Plant Physiology, 2016, 63, 235-242.	0.5	35
1828	Differential gene expression of salt-stressed Peganum harmala L.. Journal of Genetic Engineering and Biotechnology, 2016, 14, 319-326.	1.5	8
1829	Arabidopsis YL1/BPG2 Is Involved in Seedling Shoot Response to Salt Stress through ABI4. Scientific Reports, 2016, 6, 30163.	1.6	23
1830	In Vitro Regeneration of Salt-Tolerant Plants. , 2016, , 299-307.		1
1831	Na ⁺ compartmentalization related to salinity stress tolerance in upland cotton (<i>Gossypium hirsutum</i>) seedlings. Scientific Reports, 2016, 6, 34548.	1.6	88
1832	Physiological and oxidative stress responses of baldcypress in response to elevated salinity: linking and identifying biomarkers of stress in a keystone species. Acta Physiologiae Plantarum, 2016, 38, 1.	1.0	3
1833	Reactive Nitrogen Species (RNS) in Plants Under Physiological and Adverse Environmental Conditions: Current View. Progress in Botany Fortschritte Der Botanik, 2016, , 97-119.	0.1	8
1835	Expression of an arctic chickweed dehydrin, CarDHN, enhances tolerance to abiotic stress in tobacco plants. Plant Growth Regulation, 2016, 80, 323-334.	1.8	18
1836	Eucalyptus spp. and Populus spp. coping with salinity stress: an approach on growth, physiological and molecular features in the context of short rotation coppice (SRC). Trees - Structure and Function, 2016, 30, 1873-1891.	0.9	18
1837	Phosphoenolpyruvate carboxylase (PEPC) and PEPC-kinase (PEPC-k) isoenzymes in Arabidopsis thaliana: role in control and abiotic stress conditions. Planta, 2016, 244, 901-913.	1.6	34
1838	Insights into root structure and function of <i>Bassia indica</i> : water redistribution and element dispersion. Functional Plant Biology, 2016, 43, 620.	1.1	8
1839	Salt stress responses in a geographically diverse collection of <i>Eutrema/Thellungiella</i> spp. accessions. Functional Plant Biology, 2016, 43, 590.	1.1	17
1841	Effect of salinity on 2H/1H fractionation in lipids from continuous cultures of the coccolithophorid <i>Emiliania huxleyi</i> . Geochimica Et Cosmochimica Acta, 2016, 189, 96-109.	1.6	41
1842	Antioxidative ability and membrane integrity in salt-induced responses of <i>Casuarina glauca</i> Sieber ex Spreng. in symbiosis with N ₂ -fixing <i>Frankia</i> Thr or supplemented with mineral nitrogen. Journal of Plant Physiology, 2016, 196-197, 60-69.	1.6	20
1843	Salt tolerance function of the novel C ₂ H ₂ -type zinc finger protein TaZNF in wheat. Plant Physiology and Biochemistry, 2016, 106, 129-140.	2.8	36

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1844	Bottom-up GGM algorithm for constructing multilayered hierarchical gene regulatory networks that govern biological pathways or processes. <i>BMC Bioinformatics</i> , 2016, 17, 132.	1.2	19
1845	Using grafted vegetables to increase tolerance to salt and toxic elements. <i>Israel Journal of Plant Sciences</i> , 2016, 64, 1-18.	0.3	12
1846	The impact of UV-B irradiation applied at different phases of somatic embryo development in Norway spruce on polyamine metabolism. <i>Trees - Structure and Function</i> , 2016, 30, 113-124.	0.9	6
1847	Antiporter NHX2 differentially induced in <i>Mesembryanthemum crystallinum</i> natural genetic variant under salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 361-375.	1.2	4
1848	Evaluating relative contribution of osmotolerance and tissue tolerance mechanisms toward salinity stress tolerance in three <i>Brassica</i> species. <i>Physiologia Plantarum</i> , 2016, 158, 135-151.	2.6	58
1849	Morphophysiology and Biochemistry of <i>Prosopis strombulifera</i> Under Salinity. Are Halophytes Tolerant to All Salts?. <i>Tasks for Vegetation Science</i> , 2016, , 57-71.	0.6	2
1850	Availability and Utilization of Pigments from Microalgae. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 2209-2222.	5.4	214
1851	Salinity thresholds and genotypic variability of cabbage (<i>Brassica oleracea</i> L.) grown under saline stress. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 319-330.	1.7	32
1852	Redox halopriming: A Promising Strategy for Inducing Salt Tolerance in Bread Wheat. <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 37-50.	1.7	19
1853	Partial repair of salinity-induced damage to sprouting sugarcane buds by proline and glycinebetaine pretreatment. <i>Protoplasma</i> , 2016, 253, 803-813.	1.0	8
1854	Quinoa – a Model Crop for Understanding Salt-tolerance Mechanisms in Halophytes. <i>Plant Biosystems</i> , 2016, 150, 357-371.	0.8	119
1855	A reliable method for spectrophotometric determination of glycine betaine in cell suspension and other systems. <i>Analytical Biochemistry</i> , 2016, 498, 47-52.	1.1	29
1856	The impact of salinity on the symbiosis between <i>Casuarina glauca</i> Sieb. ex Spreng. and N ₂ -fixing <i>Frankia</i> bacteria based on the analysis of Nitrogen and Carbon metabolism. <i>Plant and Soil</i> , 2016, 398, 327-337.	1.8	28
1857	Physiological and biochemical responses of the forage legume <i>Trifolium alexandrinum</i> to different saline conditions and nitrogen levels. <i>Journal of Plant Research</i> , 2016, 129, 423-434.	1.2	8
1858	Effects of spatiotemporal variation of soil salinity on fine root distribution in different plant configuration modes in new reclamation coastal saline field. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6639-6650.	2.7	3
1859	Salt and drought stresses in safflower: a review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	143
1860	Neutral lipid production in <i>Dunaliella salina</i> during osmotic stress and adaptation. <i>Journal of Applied Phycology</i> , 2016, 28, 2167-2175.	1.5	12
1861	Quantitative proteomics reveals an important role of GsCBRLK in salt stress response of soybean. <i>Plant and Soil</i> , 2016, 402, 159-178.	1.8	12

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1862	MAPK-mediated regulation of growth and essential oil composition in a salt-tolerant peppermint (<i>Mentha piperita</i> L.) under NaCl stress. <i>Protoplasma</i> , 2016, 253, 1541-1556.	1.0	26
1863	Effect of vermicompost on some morphological, physiological and biochemical traits of bean (<i>Phaseolus vulgaris</i> L.) under salinity stress. <i>Journal of Plant Nutrition</i> , 2016, 39, 883-893.	0.9	31
1864	Hexaconazole-Cu complex improves the salt tolerance of <i>Triticum aestivum</i> seedlings. <i>Pesticide Biochemistry and Physiology</i> , 2016, 127, 90-94.	1.6	4
1865	CarNAC4, a NAC-type chickpea transcription factor conferring enhanced drought and salt stress tolerances in <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2016, 35, 613-627.	2.8	91
1866	Somatic Embryogenesis in Broad-Leaf Woody Plants: What We Can Learn from Proteomics. <i>Methods in Molecular Biology</i> , 2016, 1359, 117-129.	0.4	11
1867	Responses of grass pea seedlings to salinity stress in in vitro culture conditions. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 227-240.	1.2	37
1868	Improving salinity resilience in <i>Swertia chirayita</i> clonal line with <i>Lactobacillus plantarum</i> . <i>Canadian Journal of Plant Science</i> , 2016, 96, 117-127.	0.3	9
1869	TabHLH1, a bHLH-type transcription factor gene in wheat, improves plant tolerance to Pi and N deprivation via regulation of nutrient transporter gene transcription and ROS homeostasis. <i>Plant Physiology and Biochemistry</i> , 2016, 104, 99-113.	2.8	47
1870	Agronomic performance of early segregating generations of rice under salt stress in Niger. <i>South African Journal of Plant and Soil</i> , 2016, 33, 195-200.	0.4	0
1871	Elucidation of salt-tolerance metabolic pathways in contrasting rice genotypes and their segregating progenies. <i>Plant Cell Reports</i> , 2016, 35, 1273-1286.	2.8	24
1872	Kresoxim-methyl primes <i>Medicago truncatula</i> plants against abiotic stress factors via altered reactive oxygen and nitrogen species signalling leading to downstream transcriptional and metabolic readjustment. <i>Journal of Experimental Botany</i> , 2016, 67, 1259-1274.	2.4	33
1873	Wheat stem reserves and salinity tolerance: molecular dissection of fructan biosynthesis and remobilization to grains. <i>Planta</i> , 2016, 244, 191-202.	1.6	16
1874	Cytokinin-mitigation of salt-induced leaf senescence in perennial ryegrass involving the activation of antioxidant systems and ionic balance. <i>Environmental and Experimental Botany</i> , 2016, 125, 1-11.	2.0	60
1875	Effects of salinity on activity and expression of enzymes involved in ionic, osmotic, and antioxidant responses in <i>Eurya emarginata</i> . <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	6
1876	Over-expression of a DUF1644 protein gene, SIDP361, enhances tolerance to salt stress in transgenic rice. <i>Journal of Plant Biology</i> , 2016, 59, 62-73.	0.9	28
1877	Effects of high salinity and the exogenous application of an osmolyte on growth, photosynthesis, and mineral composition in two ornamental shrubs. <i>Journal of Horticultural Science and Biotechnology</i> , 2016, 91, 14-22.	0.9	34
1878	Supplementary Calcium and Potassium Improve the Response of Tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 107 Td (ly Science and Plant Analysis, 0, , 1-7.	0.6	15
1879	SUMO Is a Critical Regulator of Salt Stress Responses in Rice. <i>Plant Physiology</i> , 2016, 170, 2378-2391.	2.3	63

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1880	Tolerance mechanisms of three potted ornamental plants grown under moderate salinity. <i>Scientia Horticulturae</i> , 2016, 201, 84-91.	1.7	42
1881	A positive transcription factor in osmotic stress tolerance, ZAT10, is regulated by MAP kinases in <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2016, 59, 55-61.	0.9	25
1882	Salt acclimation processes in wheat. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 68-75.	2.8	44
1883	Rearrangement of nitrogen metabolism in rice (<i>Oryza sativa</i> L.) under salt stress. <i>Plant Signaling and Behavior</i> , 2016, 11, e1138194.	1.2	8
1884	Transcriptome profiling of Kentucky bluegrass (<i>Poa pratensis</i> L.) accessions in response to salt stress. <i>BMC Genomics</i> , 2016, 17, 48.	1.2	33
1885	Ectopic expression of phloem motor protein <i>pea forisome PsSEO-F1</i> enhances salinity stress tolerance in tobacco. <i>Plant Cell Reports</i> , 2016, 35, 1021-1041.	2.8	13
1886	Towards efficient photosynthesis: overexpression of <i>Zea mays</i> phosphoenolpyruvate carboxylase in <i>Arabidopsis thaliana</i> . <i>Photosynthesis Research</i> , 2016, 130, 47-72.	1.6	45
1887	<i>Oryza sativa</i> protein phosphatase 1a (OsPP1a) involved in salt stress tolerance in transgenic rice. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	49
1888	Does Salicylic Acid (SA) Improve Tolerance to Salt Stress in Plants? A Study of SA Effects On Tomato Plant Growth, Water Dynamics, Photosynthesis, and Biochemical Parameters. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 180-190.	1.0	72
1889	Impact and pollution indices of urban dust on selected plant species for green belt development: mitigation of the air pollution in NCR Delhi, India. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	53
1890	External potassium (K ⁺) application improves salinity tolerance by promoting Na ⁺ -exclusion, K ⁺ -accumulation and osmotic adjustment in contrasting peanut cultivars. <i>Plant Physiology and Biochemistry</i> , 2016, 103, 143-153.	2.8	114
1891	<i>Na⁺</i> loci affect SOS1-like Na ⁺ /H ⁺ exchanger expression and activity in wheat. <i>Journal of Experimental Botany</i> , 2016, 67, 835-844.	2.4	95
1892	Long-distance plant signaling pathways in response to multiple stressors: the gap in knowledge. <i>Journal of Experimental Botany</i> , 2016, 67, 2063-2079.	2.4	148
1893	Transcriptome analysis reveals salt-stress-regulated biological processes and key pathways in roots of peanut (<i>Arachis hypogaea</i> L.). <i>Genes and Genomics</i> , 2016, 38, 493-507.	0.5	10
1894	Gibberellins in <i>Penicillium</i> strains: Challenges for endophyte-plant host interactions under salinity stress. <i>Microbiological Research</i> , 2016, 183, 8-18.	2.5	77
1895	A chickpea stress-responsive NAC transcription factor, CarNAC5, confers enhanced tolerance to drought stress in transgenic <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2016, 79, 187-197.	1.8	9
1896	Salinity Tolerance: Growth, Mineral Nutrients, and Roles of Organic Osmolytes, Case of <i>Lygeum spartum</i> L., A Review. , 2016, , 27-35.		2
1897	Polyamines: Osmoprotectants in Plant Abiotic Stress Adaptation. , 2016, , 97-127.		24

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1898	Assessment of Antioxidant Enzyme Activity and Mineral Nutrients in Response to NaCl Stress and its Amelioration Through Glutathione in Chickpea. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 267-284.	1.4	18
1899	Growth responses and physiological traits of seashore paspalum subjected to short-term salinity stress and recovery. <i>Agricultural Water Management</i> , 2016, 163, 57-65.	2.4	30
1900	Salt-tolerant genes from halophytes are potential key players of salt tolerance in glycophytes. <i>Environmental and Experimental Botany</i> , 2016, 124, 39-63.	2.0	142
1901	Analysis of genomic region spanning Saltol using SSR markers in rice genotypes showing differential seedlings stage salt tolerance. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2016, 25, 331-336.	0.9	20
1902	Cyanobacterial Phycobilins: Production, Purification, and Regulation. , 2016, , 45-69.		16
1903	Silicon: a duo synergy for regulating crop growth and hormonal signaling under abiotic stress conditions. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 1099-1109.	5.1	75
1904	Evaluation of Elemental Composition of <i>Avicennia marina</i> and Associated Soil, Karachi Coast, Pakistan. <i>Journal of Coastal Research</i> , 2016, 321, 1142-1148.	0.1	0
1905	Identification of a regulatory element responsible for salt induction of rice OsRAV2 through ex situ and in situ promoter analysis. <i>Plant Molecular Biology</i> , 2016, 90, 49-62.	2.0	135
1906	Salt intolerance in <i>Arabidopsis</i> : shoot and root sodium toxicity, and inhibition by sodium-plus-potassium overaccumulation. <i>Planta</i> , 2016, 243, 97-114.	1.6	36
1907	Plant abiotic stress: a prospective strategy of exploiting promoters as alternative to overcome the escalating burden. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2016, 9, 52-63.	1.1	66
1908	De novo transcriptome sequencing of <i>Acer palmatum</i> and comprehensive analysis of differentially expressed genes under salt stress in two contrasting genotypes. <i>Molecular Genetics and Genomics</i> , 2016, 291, 575-586.	1.0	16
1909	MAPK-mediated enhanced expression of vacuolar H ⁺ -ATPase confers the improved adaption to NaCl stress in a halotolerant peppermint (<i>Mentha piperita</i> L.). <i>Protoplasma</i> , 2016, 253, 553-569.	1.0	15
1910	Characterization of drought- and heat-responsive microRNAs in switchgrass. <i>Plant Science</i> , 2016, 242, 214-223.	1.7	81
1911	Modulation of superoxide dismutase (SOD) isozymes by organ development and high long-term salinity in the halophyte <i>Cakile maritima</i> . <i>Protoplasma</i> , 2016, 253, 885-894.	1.0	58
1912	Selenium (Se) improves drought tolerance in crop plants – a myth or fact?. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 372-380.	1.7	63
1913	Stress memory induced transcriptional and metabolic changes of perennial ryegrass (<i>Lolium</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10 2.6 44		
1914	Seed priming with BABA (β-amino butyric acid): a cost-effective method of abiotic stress tolerance in <i>Vigna radiata</i> (L.) Wilczek. <i>Protoplasma</i> , 2016, 253, 277-289.	1.0	80
1915	Ectopic expression of PgRab7 in rice plants (<i>Oryza sativa</i> L.) results in differential tolerance at the vegetative and seed setting stage during salinity and drought stress. <i>Protoplasma</i> , 2017, 254, 109-124.	1.0	29

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1916	Salinity-induced inhibition of growth in the aquatic pteridophyte <i>Azolla microphylla</i> primarily involves inhibition of photosynthetic components and signaling molecules as revealed by proteome analysis. <i>Protoplasma</i> , 2017, 254, 303-313.	1.0	22
1917	The impact of arbuscular mycorrhizal fungi in mitigating salt-induced adverse effects in sweet basil (<i>Ocimum basilicum</i> L.). <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 170-179.	1.8	138
1918	Tolerance of <i>Mitragyna parvifolia</i> (Roxb.) Korth. seedlings to NaCl salinity. <i>Photosynthetica</i> , 2017, 55, 231-239.	0.9	10
1919	Phytoextraction Potential of <i>Atriplex Nummularia</i> Plants under Nitrogen and Phosphate Fertilization. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 20-36.	0.6	2
1920	Different physiobiochemical and transcriptomic reactions of rice (<i>Oryza sativa</i> L.) cultivars differing in terms of salt sensitivity under salinity stress. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7184-7196.	2.7	21
1921	A glucuronokinase gene in <i>Arabidopsis</i> , <i>AtGlcAK</i> , is involved in drought tolerance by modulating sugar metabolism. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 298-311.	1.0	22
1922	Glycinebetaine in saline conditions: an assessment of the current state of knowledge. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	35
1923	Overexpression of Glycine soja <i>WRKY20</i> enhances drought tolerance and improves plant yields under drought stress in transgenic soybean. <i>Molecular Breeding</i> , 2017, 37, 1.	1.0	49
1924	Genomics, Physiology, and Molecular Breeding Approaches for Improving Salt Tolerance. <i>Annual Review of Plant Biology</i> , 2017, 68, 405-434.	8.6	359
1925	Mitigating the adverse effects of drought stress on the morpho-physiological traits and anti-oxidative enzyme activities of <i>Prunus avium</i> through β -amino butyric acid drenching. <i>Scientia Horticulturae</i> , 2017, 218, 156-163.	1.7	31
1926	Impact of Panchagavya on <i>Oryza sativa</i> L. Grown Under Saline Stress. <i>Journal of Plant Growth Regulation</i> , 2017, 36, 702-713.	2.8	12
1927	miRNAs: Major modulators for crop growth and development under abiotic stresses. <i>Biotechnology Letters</i> , 2017, 39, 685-700.	1.1	77
1928	Brassinosteroid (BR) and arbuscular mycorrhizal (AM) fungi alleviate salinity in wheat. <i>Journal of Plant Nutrition</i> , 2017, 40, 1091-1098.	0.9	13
1929	Physiological and antioxidant response of wheat (<i>Triticum aestivum</i>) seedlings to fluoroquinolone antibiotics. <i>Chemosphere</i> , 2017, 177, 250-257.	4.2	87
1930	Lectin Protein Kinase Is Induced in Plant Roots in Response to the Endophytic Fungus, <i>Piriformospora indica</i> . <i>Plant Molecular Biology Reporter</i> , 2017, 35, 323-332.	1.0	8
1931	Identification of up-regulated genes provides integrated insight into salt-induced tolerance mechanisms in <i>Sesuvium portulacastrum</i> roots. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	3
1932	Effects of salt water immersion caused by a tsunami on $\delta^{13}C$ and $\delta^{18}O$ values of <i>Pinus thunbergii</i> tree-ring cellulose. <i>Ecological Research</i> , 2017, 32, 271-277.	0.7	13
1933	Halophytic NHXs confer salt tolerance by altering cytosolic and vacuolar K^+ and Na^+ in <i>Arabidopsis</i> root cell. <i>Plant Growth Regulation</i> , 2017, 82, 333-351.	1.8	37

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1934	Overexpression of a cytosolic ascorbate peroxidase from <i>Panax ginseng</i> enhanced salt tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 129, 337-350.	1.2	10
1935	Heterologous expression and biochemical characterization of assimilatory nitrate and nitrite reductase reveals adaption and potential of <i>Bacillus megaterium</i> NCT-2 in secondary salinization soil. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 1019-1028.	3.6	34
1936	Proteomic analysis reveals a role of melatonin in promoting cucumber seed germination under high salinity by regulating energy production. <i>Scientific Reports</i> , 2017, 7, 503.	1.6	112
1937	Transcriptional regulation of salinity stress in plants: A short review. <i>Plant Gene</i> , 2017, 11, 160-169.	1.4	69
1938	Overexpression of a tartary buckwheat R2R3-MYB transcription factor gene, FtMYB9, enhances tolerance to drought and salt stresses in transgenic <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2017, 214, 81-90.	1.6	68
1939	The Stenohaline Seagrass <i>Posidonia oceanica</i> Can Persist in Natural Environments Under Fluctuating Hypersaline Conditions. <i>Estuaries and Coasts</i> , 2017, 40, 1688-1704.	1.0	18
1940	Biodegradation and metabolic fate of levofloxacin via a freshwater green alga, <i>Scenedesmus obliquus</i> in synthetic saline wastewater. <i>Algal Research</i> , 2017, 25, 54-61.	2.4	98
1941	Responses of wheat plants to interactions of 24-epibrassinolide and <i>Glomus mosseae</i> in saline condition. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 557-564.	1.4	18
1942	Interactive effects of salt and alkali stresses on growth, physiological responses and nutrient (N, P) removal performance of <i>Ruppia maritima</i> . <i>Ecological Engineering</i> , 2017, 104, 177-183.	1.6	24
1943	Evaluation of proline functions in saline conditions. <i>Phytochemistry</i> , 2017, 140, 52-68.	1.4	229
1944	Signal transduction and biotechnology in response to environmental stresses. <i>Biologia Plantarum</i> , 2017, 61, 401-416.	1.9	17
1945	Effects, tolerance mechanisms and management of salt stress in grain legumes. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 199-217.	2.8	171
1946	Genetic analysis of microsatellite markers for salt stress in two contrasting maize parental lines and their RIL population. <i>Acta Botanica Croatica</i> , 2017, 76, 55-63.	0.3	3
1947	Modulation of Protein Aggregation/Fibrillation by Osmolytes. , 2017, , 121-142.		0
1948	Osmolyte System and Its Biological Significance. , 2017, , 1-34.		2
1949	Two-Step Salt Stress Acclimatization Confers Marked Salt Tolerance Improvement in Four Rice Genotypes Differing in Salt Tolerance. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 2191-2200.	1.7	1
1950	Seed Priming to Improve Seedling Growth of Pepper Cultivars Exposed to Salt Concentrations. <i>International Journal of Vegetable Science</i> , 2017, 23, 489-507.	0.6	8
1951	De novo assembly and analysis of the <i>Pugionium cornutum</i> (L.) Gaertn. transcriptome and identification of genes involved in the drought response. <i>Gene</i> , 2017, 626, 290-297.	1.0	16

#	ARTICLE	IF	CITATIONS
1952	Effect of salt stress on photosynthesis and related physiological characteristics of <i>Lycium ruthenicum</i> Murr. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2017, 67, 680-692.	0.3	7
1953	Effects of Silicon Application on Wheat Growth and Some Physiological Characteristics under Different Levels and Sources of Salinity. Communications in Soil Science and Plant Analysis, 2017, 48, 1114-1122.	0.6	16
1954	Antioxidant Defense Mechanisms of Salinity Tolerance in Rice Genotypes. Rice Science, 2017, 24, 155-162.	1.7	125
1955	Bio-amelioration of Salt-Affected Soils Through Halophyte Plant Species. , 2017, , 71-85.		4
1956	Comprehensive analysis of differentially expressed genes under salt stress in pear (<i>Pyrus betulaefolia</i>) using RNA-Seq. Plant Growth Regulation, 2017, 82, 409-420.	1.8	13
1957	iTRAQ-based quantitative proteomic analysis reveals proteomic changes in three fenoxaprop-P-ethyl-resistant <i>Beckmannia syzigachne</i> biotypes with differing ACCase mutations. Journal of Proteomics, 2017, 160, 47-54.	1.2	3
1959	NaCl alleviates iron deficiency through facilitating root cell wall iron reutilization and its translocation to the shoot in <i>Arabidopsis thaliana</i> . Plant and Soil, 2017, 417, 155-167.	1.8	15
1960	Why do plants lack sodium pumps and would they benefit from having one?. Functional Plant Biology, 2017, 44, 473.	1.1	23
1961	The ecological adaptability of <i>Phragmites australis</i> to interactive effects of water level and salt stress in the Yellow River Delta. Aquatic Ecology, 2017, 51, 107-116.	0.7	33
1962	Plant Stress Signaling Through Corresponding Nanobiotechnology. , 2017, , 381-391.		1
1963	The plant perceptron connects environment to development. Nature, 2017, 543, 337-345.	13.7	120
1964	Different acclimatization mechanisms of two grass pea cultivars to osmotic stress in in vitro culture. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	17
1965	<i>Lavandula multifida</i> response to salinity: Growth, nutrient uptake, and physiological changes. Journal of Plant Nutrition and Soil Science, 2017, 180, 96-104.	1.1	27
1966	Plant Responses to Salinity Through an Antioxidative Metabolism and Proteomic Point of View. , 2017, , 173-200.		6
1967	The sodium transporter encoded by the <i>HKT1</i> ; <i>2</i> gene modulates sodium/potassium homeostasis in tomato shoots under salinity. Plant, Cell and Environment, 2017, 40, 658-671.	2.8	56
1968	Ectopic expression of specific <i>GA</i> ² oxidase mutants promotes yield and stress tolerance in rice. Plant Biotechnology Journal, 2017, 15, 850-864.	4.1	97
1969	TRANSPARENT TESTA GLABRA 1 ubiquitously regulates plant growth and development from <i>Arabidopsis</i> to foxtail millet (<i>Setaria italica</i>). Plant Science, 2017, 254, 60-69.	1.7	22
1970	Na ⁺ induces the tolerance to water stress in white clover associated with osmotic adjustment and aquaporins-mediated water transport and balance in root and leaf. Environmental and Experimental Botany, 2017, 144, 11-24.	2.0	18

#	ARTICLE	IF	CITATIONS
1972	Interactive effects of soil salinity and boron on growth, mineral composition and CO ₂ assimilation of pistachio seedlings. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	10
1973	The effect of N and NaCl on growth, yield, and nitrate content of salad rocket (<i>Eruca sativa</i> Mill.). <i>Journal of Plant Nutrition</i> , 2017, 40, 2611-2618.	0.9	19
1974	Ameliorating Salt Stress in Crops Through Plant Growth-Promoting Bacteria. , 2017, , 549-575.		3
1975	Legume-Microbe Interactions Under Stressed Environments. , 2017, , 301-339.		5
1976	Research Advances on Tall Fescue Salt Tolerance: From Root Signaling to Molecular and Metabolic Adjustment. <i>Journal of the American Society for Horticultural Science</i> , 2017, 142, 337-345.	0.5	5
1977	Transcriptome-wide profiling and expression analysis of two accessions of <i>Paulownia australis</i> under salt stress. <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	0.6	8
1978	The role of floridoside in osmoadaptation of coral-associated algal endosymbionts to high-salinity conditions. <i>Science Advances</i> , 2017, 3, e1602047.	4.7	52
1980	Transcriptomics analysis of salt stress tolerance in the roots of the mangrove <i>Avicennia officinalis</i> . <i>Scientific Reports</i> , 2017, 7, 10031.	1.6	77
1981	<i>Bacillus safensis</i> with plant-derived smoke stimulates rice growth under saline conditions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23850-23863.	2.7	22
1982	Physiological, photochemical and ionic responses of sunflower seedlings to exogenous selenium supply under salt stress. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	35
1983	Salt tolerance response revealed by RNA-Seq in a diploid halophytic wild relative of sweet potato. <i>Scientific Reports</i> , 2017, 7, 9624.	1.6	22
1984	<i>Populus euphratica</i> J3 mediates root K ⁺ /Na ⁺ homeostasis by activating plasma membrane H ⁺ -ATPase in transgenic <i>Arabidopsis</i> under NaCl salinity. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 75-88.	1.2	35
1985	Enhanced values of various physiological traits and VvNAC1 gene expression showing better salinity stress tolerance in some grapevine cultivars as well as rootstocks. <i>Scientia Horticulturae</i> , 2017, 225, 317-326.	1.7	22
1986	Inorganic solutes contribute more than organic solutes to the osmotic adjustment in <i>Salicornia brachiata</i> (Roxb.) under natural saline conditions. <i>Aquatic Botany</i> , 2017, 142, 78-86.	0.8	23
1987	The Fundamental Role of Reactive Oxygen Species in Plant Stress Response. <i>Methods in Molecular Biology</i> , 2017, 1631, 23-39.	0.4	13
1988	Higher Novel L-Cys Degradation Activity Results in Lower Organic-S and Biomass in <i>Sarcocornia</i> than the Related Saltwort, <i>Salicornia</i> . <i>Plant Physiology</i> , 2017, 175, 272-289.	2.3	12
1989	Moderate salinity improves stomatal functioning in rose plants grown at high relative air humidity. <i>Environmental and Experimental Botany</i> , 2017, 143, 1-9.	2.0	6
1990	Development and evaluation of a glassy carbon electrode modified with silver and mercury nanoparticles for quantification of cysteine rich peptides. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 1170-1179.	4.0	8

#	ARTICLE	IF	CITATIONS
1991	Salt stress resilience potential of a fungal inoculant isolated from tea cultivation area in maize. <i>Biologia (Poland)</i> , 2017, 72, 619-627.	0.8	5
1992	Endophytic bacterial diversity of <i>Avicennia marina</i> helps to confer resistance against salinity stress in <i>Solanum lycopersicum</i> . <i>Journal of Plant Interactions</i> , 2017, 12, 312-322.	1.0	29
1993	Chrysanthemum WRKY gene DgWRKY5 enhances tolerance to salt stress in transgenic chrysanthemum. <i>Scientific Reports</i> , 2017, 7, 4799.	1.6	86
1994	Amelioration of Environmental Stress for Sustainable Crop Productivity. , 2017, , 327-348.		3
1995	MdMYB4 enhances apple callus salt tolerance by increasing MdNHX1 expression levels. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 283-293.	1.2	19
1996	Salt stress tolerance; what do we learn from halophytes?. <i>Journal of Plant Biology</i> , 2017, 60, 431-439.	0.9	45
1997	Seedling emergence and activity of some antioxidant enzymes of canola (<i>Brassica napus</i>) can be increased by seed priming. <i>Journal of Agricultural Science</i> , 2017, 155, 1541-1552.	0.6	6
1998	Effects of <i>Bacillus subtilis</i> on some physiological and biochemical parameters of <i>Triticum aestivum</i> L. (wheat) under salinity. <i>Plant Physiology and Biochemistry</i> , 2017, 121, 80-88.	2.8	88
1999	Arbuscular mycorrhiza effects on plant performance under osmotic stress. <i>Mycorrhiza</i> , 2017, 27, 639-657.	1.3	113
2000	A comparative analysis of cytosolic Na ⁺ changes under salinity between halophyte quinoa (<i>Chenopodium quinoa</i>) and glycophyte pea (<i>Pisum sativum</i>). <i>Environmental and Experimental Botany</i> , 2017, 141, 154-160.	2.0	30
2001	UBIQUITIN-SPECIFIC PROTEASES function in plant development and stress responses. <i>Plant Molecular Biology</i> , 2017, 94, 565-576.	2.0	55
2002	Plant-Microbe Interactions in Adaptation of Agricultural Crops to Abiotic Stress Conditions. , 2017, , 163-200.		91
2003	<i>Trichoderma lixii</i> ID11D seed bioprimering mitigates dose dependent salt toxicity in maize. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	34
2004	Growth Parameter and These Ratio Ionics Responses of Three Cultivars Pistachio to Low and High Salinity. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1369-1377.	0.6	0
2005	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
2007	GC-TOF-MS analysis reveals salt stress-responsive primary metabolites in <i>Casuarina glauca</i> tissues. <i>Metabolomics</i> , 2017, 13, 1.	1.4	36
2008	The influence of salinity on growth, morphology, leaf ultrastructure, and cell viability of the seagrass <i>Halodule wrightii</i> Ascherson. <i>Protoplasma</i> , 2017, 254, 1529-1537.	1.0	9
2009	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

#	ARTICLE	IF	CITATIONS
2010	Effects of paclobutrazol on cultivars of Chinese bayberry (<i>Myrica rubra</i>) under salinity stress. <i>Photosynthetica</i> , 2017, 55, 443-453.	0.9	13
2011	Na ⁺ Retention in the Root is a Key Adaptive Mechanism to Low and High Salinity in the Glycophyte, <i>Talinum paniculatum</i> (Jacq.) Gaertn. (Portulacaceae). <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 56-67.	1.7	33
2012	PsCYP1 of marine red alga <i>Pyropia seriata</i> (Bangiales, Rhodophyta) confers salt and heat tolerance in <i>Chlamydomonas</i> . <i>Journal of Applied Phycology</i> , 2017, 29, 617-625.	1.5	7
2013	Durum wheat seedling responses to simultaneous high light and salinity involve a fine reconfiguration of amino acids and carbohydrate metabolism. <i>Physiologia Plantarum</i> , 2017, 159, 290-312.	2.6	157
2014	Iron deficiency response gene <i>Femu2</i> plays a positive role in protecting <i>Chlamydomonas reinhardtii</i> against salt stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3345-3354.	1.1	14
2015	Tomato <i>SIDREB1</i> gene conferred the transcriptional activation of drought-induced gene and an enhanced tolerance of the transgenic <i>Arabidopsis</i> to drought stress. <i>Plant Growth Regulation</i> , 2017, 81, 131-145.	1.8	16
2016	Effects of mycorrhiza inoculation on cucumber growth irrigated with saline water. <i>Journal of Plant Nutrition</i> , 2017, 40, 128-137.	0.9	6
2017	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
2018	Biodegradation of levofloxacin by an acclimated freshwater microalga, <i>Chlorella vulgaris</i> . <i>Chemical Engineering Journal</i> , 2017, 313, 1251-1257.	6.6	233
2019	Root growth dynamics of olive (<i>Olea europaea</i> L.) affected by irrigation induced salinity. <i>Plant and Soil</i> , 2017, 411, 305-318.	1.8	35
2020	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
2021	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
2022	Physiological, anatomical and antioxidant responses to salinity in the Mediterranean pastoral grass plant <i>Stipa lagascae</i> . <i>Crop and Pasture Science</i> , 2017, 68, 872.	0.7	14
2023	Biochemical and Molecular Responses in Higher Plants Under Salt Stress. , 2017, , 117-151.		1
2024	Germplasm Characterization and Trait Discovery. <i>Compendium of Plant Genomes</i> , 2017, , 65-79.	0.3	2
2025	Biochar Mitigates Salinity Stress in Plants. , 2017, , 153-182.		4
2026	High-resolution model for estimating the economic and policy implications of agricultural soil salinization in California. <i>Environmental Research Letters</i> , 2017, 12, 094010.	2.2	35
2027	Exogenous Ascorbic Acid Mediated Abiotic Stress Tolerance in Plants. , 2017, , 233-253.		2

#	ARTICLE	IF	CITATIONS
2028	Comparative transcriptome analysis of soybean response to bean pyralid larvae. BMC Genomics, 2017, 18, 871.	1.2	20
2029	Salinity tolerance of grafted watermelon seedlings. Acta Biologica Hungarica, 2017, 68, 412-427.	0.7	7
2030	The 2â€²-O-methyladenosine nucleoside modification gene OsTRM13 positively regulates salt stress tolerance in rice. Journal of Experimental Botany, 2017, 68, 1479-1491.	2.4	31
2031	Review on sugar beet salt stress studies in Iran. IOP Conference Series: Earth and Environmental Science, 2017, 77, 012004.	0.2	1
2032	Antioxidant responses under salinity and drought in three closely related wild monocots with different ecological optima. AoB PLANTS, 2017, 9, plx009.	1.2	78
2033	Effect of Different NaCl Concentrations on Germinations Period of Oil Sunflower Seeds (Helianthus) Tj ETQq1 1 0.784314 rgBT /Over	0.1	0
2034	In-silico analysis of marker genes from gene expression data of solanaceous plants responsible for various abiotic stresses. International Journal of Bioinformatics Research and Applications, 2017, 13, 329.	0.1	0
2035	Sustainable management of coastal saline soils in the Saloum river Basin, Senegal. International Journal of Biological and Chemical Sciences, 2017, 11, 1903.	0.1	5
2036	Salt Stress Tolerance in Rice: Emerging Role of Exogenous Phytoprotectants. , 0, , .		14
2037	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. Frontiers in Plant Science, 2016, 7, 2027.	1.7	30
2038	Durum Wheat Roots Adapt to Salinity Remodeling the Cellular Content of Nitrogen Metabolites and Sucrose. Frontiers in Plant Science, 2016, 7, 2035.	1.7	152
2039	Proteasome Activity Profiling Uncovers Alteration of Catalytic Î²2 and Î²5 Subunits of the Stress-Induced Proteasome during Salinity Stress in Tomato Roots. Frontiers in Plant Science, 2017, 8, 107.	1.7	17
2040	Abiotic Stress Responses and Microbe-Mediated Mitigation in Plants: The Omics Strategies. Frontiers in Plant Science, 2017, 8, 172.	1.7	574
2041	Making Plants Break a Sweat: the Structure, Function, and Evolution of Plant Salt Glands. Frontiers in Plant Science, 2017, 08, 406.	1.7	73
2042	Overexpression of Cucumber Phospholipase D alpha Gene (CsPLDÎ±) in Tobacco Enhanced Salinity Stress Tolerance by Regulating Na ⁺ â€“K ⁺ Balance and Lipid Peroxidation. Frontiers in Plant Science, 2017, 8, 499.	1.7	33
2043	Ascorbic Acid-A Potential Oxidant Scavenger and Its Role in Plant Development and Abiotic Stress Tolerance. Frontiers in Plant Science, 2017, 8, 613.	1.7	534
2044	Salinity Stress Does Not Affect Root Uptake, Dissemination and Persistence of Salmonella in Sweet-basil (Ocimum basilicum). Frontiers in Plant Science, 2017, 8, 675.	1.7	16
2045	Generation, Annotation, and Analysis of a Large-Scale Expressed Sequence Tag Library from Arabidopsis pumila to Explore Salt-Responsive Genes. Frontiers in Plant Science, 2017, 8, 955.	1.7	16

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2046	Overexpression of SbSI-1, A Nuclear Protein from <i>Salicornia brachiata</i> Confers Drought and Salt Stress Tolerance and Maintains Photosynthetic Efficiency in Transgenic Tobacco. <i>Frontiers in Plant Science</i> , 2017, 8, 1215.	1.7	34
2047	Overexpression of Glycerol-3-Phosphate Acyltransferase from <i>Suaeda salsa</i> Improves Salt Tolerance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1337.	1.7	137
2048	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
2049	Intercropping Induces Changes in Specific Secondary Metabolite Concentration in Ethiopian Kale (<i>Brassica carinata</i>) and African Nightshade (<i>Solanum scabrum</i>) under Controlled Conditions. <i>Frontiers in Plant Science</i> , 2017, 8, 1700.	1.7	20
2050	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
2051	Co-expression of <i>Arabidopsis</i> NHX1 and <i>bar</i> Improves the Tolerance to Salinity, Oxidative Stress, and Herbicide in Transgenic Mungbean. <i>Frontiers in Plant Science</i> , 2017, 8, 1896.	1.7	45
2052	Transcriptomic Profiling and Physiological Responses of Halophyte <i>Kochia sieversiana</i> Provide Insights into Salt Tolerance. <i>Frontiers in Plant Science</i> , 2017, 8, 1985.	1.7	16
2053	SIBIR3 Negatively Regulates PAMP Responses and Cell Death in Tomato. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1966.	1.8	9
2054	Exploration for the Salinity Tolerance-Related Genes from Xero-Halophyte <i>Atriplex canescens</i> Exploiting Yeast Functional Screening System. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2444.	1.8	15
2055	Plant Responses to Salt Stress: Adaptive Mechanisms. <i>Agronomy</i> , 2017, 7, 18.	1.3	872
2056	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
2057	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
2058	Mapping the microRNA Expression Profiles in Glyoxalase Overexpressing Salinity Tolerant Rice. <i>Current Genomics</i> , 2017, 19, 21-35.	0.7	9
2059	Use of spermidine reduced the oxidative damage in onion seedlings under salinity by modulating antioxidants. <i>African Journal of Agricultural Research Vol Pp</i> , 2017, 12, 3304-3314.	0.2	1
2060	Changes in secondary metabolites in the halophytic putative crop species <i>Crithmum maritimum</i> L., <i>Triglochin maritima</i> L. and <i>Halimione portulacoides</i> (L.) Aellen as reaction to mild salinity. <i>PLoS ONE</i> , 2017, 12, e0176303.	1.1	41
2061	Salinity increased vitamins concentration in <i>Amaranthus cruentus</i> leaves. <i>African Journal of Biotechnology</i> , 2017, 16, 2106-2111.	0.3	4
2062	Oversensitivity of <i>Arabidopsis</i> <i>gad1/2</i> mutant to NaCl treatment reveals the importance of GABA in salt stress responses. <i>African Journal of Plant Science</i> , 2017, 11, 252-263.	0.4	7
2064	High salinity conveys thermotolerance in the coral model <i>Aiptasia</i> . <i>Biology Open</i> , 2017, 6, 1943-1948.	0.6	42

#	ARTICLE	IF	CITATIONS
2065	Abiotic Stress in the Production of Food Grains and Methods to Alleviate the Impact of Stress. , 2017, , 215-240.		2
2066	The effects of humic acid on growth and ion uptake of mung bean (<i>Vigna radiata</i> (L.) Wilczek) grown under salt stress. African Journal of Agricultural Research Vol Pp, 2017, 12, 3447-3460.	0.2	2
2067	Exogenous proline enhances nutrient uptake and confers tolerance to salt stress in maize (<i>Zea mays</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	30
2068	Changes in essential oil and morpho-physiological traits of tarragon (<i>Artemisia dracunculus</i> L.) in responses to arbuscular mycorrhizal fungus, AMF (<i>Glomus intraradices</i> N.C. Schenck & G.S. Sm.) inoculation under salinity. Acta Agriculturae Slovenica, 2017, 109, 215.	0.2	4
2069	Approaches to Enhance Salt Stress Tolerance in Wheat. , 0, , .		27
2070	Biochemical mechanisms of salinity tolerance in new promising salt tolerant cereal, tritipyrum (<i>Triticum Durum</i> — <i>Thinopyrum Bessarabicum</i>). Australian Journal of Crop Science, 2017, 11, 701-710.	0.1	1
2071	Effects of Salt Stress on Plant Growth, Nutrient Partitioning, Chlorophyll Content, Leaf Relative Water Content, Accumulation of Osmolytes and Antioxidant Compounds in Pepper (<i>Capsicum annuum</i>) Tj ETQq0 0 0 rgBT /Overlock 10	0.3	30
2072	Effects of Salinity on Chickpea (<i>Cicer arietinum</i> L.) Landraces During Germination Stage. Biochemistry & Molecular Biology Journal, 2017, 03, .	0.3	7
2073	Response of Spring Wheat to Sulfate-Based Salinity Stress under Greenhouse and Field Conditions. Agronomy Journal, 2017, 109, 442-454.	0.9	11
2074	Improved Salinity Resilience in Black Bean by Seed Elicitation Using Organic Compounds. Agronomy Journal, 2017, 109, 1991-2003.	0.9	6
2075	A walk on the wild side: <i>Oryza</i> species as source for rice abiotic stress tolerance. Genetics and Molecular Biology, 2017, 40, 238-252.	0.6	66
2076	Plant physiological stimulation by seeds salt priming in maize (<i>Zea mays</i>): Prospect for salt tolerance. African Journal of Biotechnology, 2017, 16, 209-223.	0.3	25
2077	âœœOmicâœœ A Gateway Towards Abiotic Stress Tolerance. , 2018, , 1-45.		3
2078	Effect of salt stress on Growth and Ion accumulation of alfalfa (<i>Medicago sativa L.</i>) cultivars. Journal of Plant Nutrition, 2018, 41, 818-831.	0.9	27
2079	Transcription profile analysis of <i>Lycopersicon esculentum</i> leaves, unravels volatile emissions and gene expression under salinity stress. Plant Physiology and Biochemistry, 2018, 126, 11-21.	2.8	20
2080	Influence of silicon on spring wheat seedlings under salt stress. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	29
2081	The functions of plant cation/proton antiporters. Biologia Plantarum, 2018, 62, 421-427.	1.9	7
2082	Boron-induced improvement in physiological, biochemical and growth attributes in sunflower (<i>Helianthus annuus</i>L.) exposed to terminal drought stress. Journal of Plant Nutrition, 2018, 41, 943-955.	0.9	10

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2083	Patellin1 Negatively Modulates Salt Tolerance by Regulating PM Na ⁺ /H ⁺ Antiport Activity and Cellular Redox Homeostasis in Arabidopsis. <i>Plant and Cell Physiology</i> , 2018, 59, 1630-1642.	1.5	23
2084	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
2085	Q&A: How do gene regulatory networks control environmental responses in plants?. <i>BMC Biology</i> , 2018, 16, 38.	1.7	15
2086	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
2087	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
2088	Strategies to Mitigate the Salt Stress Effects on Photosynthetic Apparatus and Productivity of Crop Plants., 2018, , 85-136.		52
2089	Use of reclaimed wastewater on fruit quality of nectarine in Southern Italy. <i>Agricultural Water Management</i> , 2018, 203, 186-192.	2.4	39
2090	The newly synthesized plant growth regulator S-methylmethionine salicylate may provide protection against high salinity in wheat. <i>Plant Growth Regulation</i> , 2018, 85, 305-315.	1.8	5
2091	Involvement of CsCDPK20 and CsCDPK26 in Regulation of Thermotolerance in Tea Plant (<i>Camellia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	16
2092	Long-term salt stress influence on vegetative growth and foliar nutrient changes in mango () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.9	17
2093	The Glucose Sensor MdHXK1 Phosphorylates a Tonoplast Na ⁺ /H ⁺ Exchanger to Improve Salt Tolerance. <i>Plant Physiology</i> , 2018, 176, 2977-2990.	2.3	59
2094	Footprints of divergent evolution in two Na ⁺ /H ⁺ type antiporter gene families (NHX and SOS1) in the genus <i>Populus</i> . <i>Tree Physiology</i> , 2018, 38, 813-824.	1.4	10
2095	Pressure-volume (P-V) curves in <i>Atriplex nummularia</i> Lindl. for evaluation of osmotic adjustment and water status under saline conditions. <i>Plant Physiology and Biochemistry</i> , 2018, 124, 155-159.	2.8	9
2096	Functional deficiency of phytochrome B improves salt tolerance in rice. <i>Environmental and Experimental Botany</i> , 2018, 148, 100-108.	2.0	15
2097	The Gene Network That Regulates Salt Tolerance in Rice., 2018, , 297-316.		1
2098	Plant growth promoting bacteria as an alternative strategy for salt tolerance in plants: A review. <i>Microbiological Research</i> , 2018, 209, 21-32.	2.5	399
2099	Effects of salinity stress on some growth, physiological, biochemical parameters and nutrients in two pistachio (<i>Pistacia vera</i> L.) rootstocks. <i>Journal of Plant Interactions</i> , 2018, 13, 73-82.	1.0	252
2100	Characterization of OglDREB2A gene from African rice (<i>Oryza glaberrima</i>), comparative analysis and its transcriptional regulation under salinity stress. <i>3 Biotech</i> , 2018, 8, 91.	1.1	10

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2101	Long term responses and adaptive strategies of <i>Pistacia lentiscus</i> under moderate and severe deficit irrigation and salinity: Osmotic and elastic adjustment, growth, ion uptake and photosynthetic activity. <i>Agricultural Water Management</i> , 2018, 202, 253-262.	2.4	63
2102	Role of Secondary Metabolites from Plant Growth-Promoting Rhizobacteria in Combating Salinity Stress. <i>Microorganisms for Sustainability</i> , 2018, , 127-163.	0.4	38
2103	Overexpression of <i>Fagopyrum tataricum</i> FtbHLH2 enhances tolerance to cold stress in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 125, 85-94.	2.8	62
2104	SIP1, a novel SOS2 interaction protein, is involved in salt-stress tolerance in <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 124, 167-174.	2.8	12
2105	Salt stress relief potency of whortleberry extract biopriming in maize. <i>3 Biotech</i> , 2018, 8, 89.	1.1	5
2106	Physiological responses to salt stress of salt-adapted and directly salt (NaCl and NaCl+Na ₂ SO ₄) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	22
2107	Contribution of avoidance and tolerance strategies towards salinity stress resistance in eight C3 turfgrass species. <i>Horticulture Environment and Biotechnology</i> , 2018, 59, 29-36.	0.7	12
2108	Metabolomics and network analysis reveal the potential metabolites and biological pathways involved in salinity tolerance of the halophyte <i>Salvadora persica</i> . <i>Environmental and Experimental Botany</i> , 2018, 148, 85-99.	2.0	90
2109	Induction of priming by salt stress in neighboring plants. <i>Environmental and Experimental Botany</i> , 2018, 147, 261-270.	2.0	34
2110	Transcriptome sequencing and comparative analysis of differentially-expressed isoforms in the roots of <i>Halogeton glomeratus</i> under salt stress. <i>Gene</i> , 2018, 646, 159-168.	1.0	27
2111	Exogenous allantoin increases <i>Arabidopsis</i> seedlings tolerance to NaCl stress and regulates expression of oxidative stress response genes. <i>Journal of Plant Physiology</i> , 2018, 221, 43-50.	1.6	51
2112	Spliceosomal protein U1A is involved in alternative splicing and salt stress tolerance in <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2018, 46, 1777-1792.	6.5	57
2113	Exogenous application of allelopathic water extracts helps improving tolerance against terminal heat and drought stresses in bread wheat (<i>Triticum aestivum</i> L. Em. Thell.). <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 298-312.	1.7	18
2114	Chlorophyll a fluorescence induction: Can just a one-second measurement be used to quantify abiotic stress responses?. <i>Photosynthetica</i> , 2018, 56, 86-104.	0.9	305
2115	Alleviation of salt stress by increasing potassium sulphate doses in four medicinal and aromatic plants. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 437-447.	0.3	3
2116	Influence of potassium humate on biochemical and agronomic attributes of bean plants grown on saline soil. <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 545-554.	0.9	21
2117	Root respiratory burst oxidase homologue-dependent H ₂ O ₂ production confers salt tolerance on a grafted cucumber by controlling Na ⁺ exclusion and stomatal closure. <i>Journal of Experimental Botany</i> , 2018, 69, 3465-3476.	2.4	96
2118	Salicylic Acid Attenuates the Adverse Effects of Salinity on Growth and Yield and Enhances Peroxidase Isozymes Expression more Competently than Proline and Glycine Betaine in Cucumber Plants. <i>Gesunde Pflanzen</i> , 2018, 70, 75-90.	1.7	12

#	ARTICLE	IF	CITATIONS
2119	Physiological and molecular evidence for Na ⁺ and Cl ⁻ exclusion in the roots of two <i>Suaeda salsa</i> populations. <i>Aquatic Botany</i> , 2018, 146, 1-7.	0.8	81
2120	Solutes in native plants in the Arabian Gulf region and the role of microorganisms: future research. <i>Journal of Plant Ecology</i> , 2018, 11, 671-684.	1.2	9
2121	Growth, microtuber production and physiological metabolism in virus-free and virus-infected potato in vitro plantlets grown under NaCl-induced salt stress. <i>European Journal of Plant Pathology</i> , 2018, 152, 417-432.	0.8	18
2122	<i>Azospirillum</i> : benefits that go far beyond biological nitrogen fixation. <i>AMB Express</i> , 2018, 8, 73.	1.4	281
2123	The Glyoxalase System: A Possible Target for Production of Salinity-Tolerant Crop Plants. , 2018, , 257-281.		4
2124	The <i>MicroRNA390</i> TRANS-ACTING SHORT INTERFERING RNA3 Module Mediates Lateral Root Growth under Salt Stress via the Auxin Pathway. <i>Plant Physiology</i> , 2018, 177, 775-791.	2.3	98
2126	<i>Ascophyllum nodosum</i> -based algal extracts act as enhancers of growth, fruit quality, and adaptation to stress in salinized tomato plants. <i>Journal of Applied Phycology</i> , 2018, 30, 2675-2686.	1.5	82
2127	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
2128	Redox Protein Thioredoxins: Function Under Salinity, Drought and Extreme Temperature Conditions. , 2018, , 123-162.		11
2129	Comparative Transcriptome Analysis of Seedling Stage of Two Sorghum Cultivars Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 986-998.	2.8	24
2130	Spermine Pre-Treatment Improves Some Physiochemical Parameters and Sodium Transporter Gene Expression of Pumpkin Seedlings under Salt Stress. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 222-228.	0.5	4
2131	An apple NAC transcription factor enhances salt stress tolerance by modulating the ethylene response. <i>Physiologia Plantarum</i> , 2018, 164, 279-289.	2.6	80
2132	Improvement of wheat yield grown under drought stress by boron foliar application at different growth stages. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2018, 17, 178-185.	1.0	29
2133	The effects of selenium on some physiological traits and K, Na concentration of garlic (<i>Allium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td (K) 2.9 44	2.9	44
2134	Salt effect of dehydrated broiler litter on organic lettuce. <i>Biological Agriculture and Horticulture</i> , 2018, 34, 107-119.	0.5	3
2135	Genetic Engineering and Environmental Risk. , 2018, , 69-82.		1
2136	Response of water deficit-stressed <i>Vigna unguiculata</i> performances to silicon, proline or methionine foliar application. <i>Scientia Horticulturae</i> , 2018, 228, 132-144.	1.7	169
2137	Impact of chloride (NaCl, KCl) and sulphate (Na ₂ SO ₄) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 67 Td (K) 1.7 33 of <i>Agronomy and Crop Science</i> , 2018, 204, 137-146.	1.7	33

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2138	Using <i>Moringa oleifera</i> extract as biostimulant enhancing the growth, yield and nutrients accumulation of pea plants. <i>Journal of Plant Nutrition</i> , 2018, 41, 425-431.	0.9	36
2139	Analysis of metabolic and nutritional biomarkers in <i>Brassica oleracea</i> L. cv. Bronco plants under alkaline stress. <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 279-288.	0.9	7
2140	The effect of zeolite, selenium and silicon on qualitative and quantitative traits of onion grown under salinity conditions. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 520-530.	1.3	29
2141	Salinity-induced cellular cross-talk in carbon partitioning reveals starch-to-lipid biosynthesis switching in low-starch freshwater algae. <i>Bioresource Technology</i> , 2018, 250, 449-456.	4.8	90
2142	Remote sensing of mangrove forest phenology and its environmental drivers. <i>Remote Sensing of Environment</i> , 2018, 205, 71-84.	4.6	137
2143	Molecular cloning and characterization of the glutathione reductase gene from <i>Stipa purpurea</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1851-1857.	1.0	18
2144	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
2145	Elucidating the molecular mechanisms mediating plant salt stress responses. <i>New Phytologist</i> , 2018, 217, 523-539.	3.5	894
2146	On the interactions among tropospheric ozone levels and typical environmental stresses challenging Mediterranean crops. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8174-8180.	2.7	3
2147	Regulation of Sucrose Transporters and Phloem Loading in Response to Environmental Cues. <i>Plant Physiology</i> , 2018, 176, 930-945.	2.3	127
2148	Genetically Engineered Food Crops to Abiotic Stress Tolerance. , 2018, , 247-279.		4
2149	Proteomics-Based Investigation of Salt-Responsive Mechanisms in Roots of <i>Bradyrhizobium japonicum</i> -Inoculated <i>Glycine max</i> and <i>Glycine soja</i> Seedlings. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 266-277.	2.8	1
2150	Response of four woody species to salinity and water deficit in initial growth phase. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2018, 22, 753-757.	0.4	8
2151	Effect of foliar application of α -tocopherol on vegetative growth and some biochemical constituents of two soybean genotypes under salt stress. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 122, 012049.	0.2	3
2153	Early Drought Plant Stress Detection with Bi-Directional Long-Term Memory Networks. <i>Photogrammetric Engineering and Remote Sensing</i> , 2018, 84, 459-468.	0.3	5
2154	Overexpression of the <i>Suaeda salsa</i> SsNHX1 gene confers enhanced salt and drought tolerance to transgenic <i>Zea mays</i> . <i>Journal of Integrative Agriculture</i> , 2018, 17, 2612-2623.	1.7	11
2156	Role of Osmolytes and Antioxidant Enzymes for Drought Tolerance in Wheat. , 0, , .		17
2157	The Damage of Root, Leaf and Chloroplast Ultrastructure on Maize Seedlings Caused by Salinity Stress. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 197, 012054.	0.2	6

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2158	Exogenous application of gibberellic acid participates in up-regulation of lipid biosynthesis under salt stress in rice. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 335-345.	1.1	13
2159	Screening of diverse tall fescue population for salinity tolerance based on SSR marker-physiological trait association. <i>Euphytica</i> , 2018, 214, 1.	0.6	6
2160	Salinity impacts on experimental fodder sorghum production. <i>SAARC Journal of Agriculture</i> , 2018, 16, 145-155.	0.2	5
2161	Unveiling the Enigmatic Structure of TdCMO Transcripts in Durum Wheat. <i>Agronomy</i> , 2018, 8, 270.	1.3	4
2162	Exogenous Calcium Supplementation Improves Salinity Tolerance in BRRI Dhan28; a Salt-Susceptible High-Yielding <i>Oryza Sativa</i> Cultivar. <i>Journal of Crop Science and Biotechnology</i> , 2018, 21, 383-394.	0.7	39
2163	Pepper Crop under Climate Change: Grafting as an Environmental Friendly Strategy. , 0, , .		13
2164	Comparative Studies on the Role of Organic Biostimulant in Resistant and Susceptible Cultivars of Rice Grown under Saline Stress - Organic Biostimulant Alleviate Saline Stress in Tolerant and Susceptible Cultivars of Rice. <i>Journal of Crop Science and Biotechnology</i> , 2018, 21, 459-467.	0.7	11
2165	Comparative transcriptome and translome analysis in contrasting rice genotypes reveals differential mRNA translation in salt-tolerant Pokkali under salt stress. <i>BMC Genomics</i> , 2018, 19, 935.	1.2	66
2166	Pretreatment with NaCl Promotes the Seed Germination of White Clover by Affecting Endogenous Phytohormones, Metabolic Regulation, and Dehydrin-Encoded Genes Expression under Water Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3570.	1.8	12
2167	Gene expression analysis reveals diversified responsiveness to salt stress in rice genotypes. <i>Indian Journal of Plant Physiology</i> , 2018, 23, 833-843.	0.8	3
2168	Comparative transcriptome analysis of <i>Zea mays</i> in response to petroleum hydrocarbon stress. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32660-32674.	2.7	17
2169	Auxin and Sodium Nitroprusside Effects on Wheat Antioxidants in Salinity. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 651-657.	0.5	7
2170	Full-length transcriptome sequences of ephemeral plant <i>Arabidopsis pumila</i> provides insight into gene expression dynamics during continuous salt stress. <i>BMC Genomics</i> , 2018, 19, 717.	1.2	54
2171	Maintenance of K ⁺ /Na ⁺ Balance in the Roots of <i>Nitraria sibirica</i> Pall. in Response to NaCl Stress. <i>Forests</i> , 2018, 9, 601.	0.9	10
2172	Overexpression of PeHKT1;1 Improves Salt Tolerance in <i>Populus</i> . <i>Genes</i> , 2018, 9, 475.	1.0	31
2173	Mulberry (<i>Morus alba</i>) MmSK gene enhances tolerance to drought stress in transgenic mulberry. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 603-611.	2.8	29
2174	Exogenous myo-inositol alleviates salinity-induced stress in <i>Malus hupehensis</i> Rehd. <i>Plant Physiology and Biochemistry</i> , 2018, 133, 116-126.	2.8	61
2175	Abscisic acid-dependent nitric oxide pathway and abscisic acid-independent nitric oxide routes differently modulate NaCl stress induction of the gene expression of methionine sulfoxide reductase A and B in rice roots. <i>Journal of Plant Physiology</i> , 2018, 231, 374-382.	1.6	4

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2176	Proline Accumulation Influenced by Osmotic Stress in Arbuscular Mycorrhizal Symbiotic Plants. <i>Frontiers in Microbiology</i> , 2018, 9, 2525.	1.5	149
2177	A new Na ⁺ /H ⁺ antiporter gene <i>KvNHX1</i> isolated from the halophyte <i>Kosteletzkya virginica</i> improves salt tolerance in transgenic tobacco. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 1378-1386.	0.5	16
2178	Salinization and Deterioration of Groundwater Quality by Nitrate and Fluoride in the Chittur Block, Palakkad, Kerala. <i>Journal of the Geological Society of India</i> , 2018, 92, 337-345.	0.5	25
2179	Sodium chloride incites reactive oxygen species in green algae <i>Chlorococcum humicola</i> and <i>Chlorella vulgaris</i> : Implication on lipid synthesis, mineral nutrients and antioxidant system. <i>Bioresource Technology</i> , 2018, 270, 489-497.	4.8	90
2180	Overexpression of a cell wall damage induced transcription factor, OsWRKY42, leads to enhanced callose deposition and tolerance to salt stress but does not enhance tolerance to bacterial infection. <i>BMC Plant Biology</i> , 2018, 18, 177.	1.6	33
2181	Salt oversensitivity derived from mutation breeding improves salinity tolerance in barley via ion homeostasis. <i>Biologia Plantarum</i> , 2018, 62, 775-785.	1.9	16
2182	Enhancing Quality of Fresh Vegetables Through Salinity Eustress and Biofortification Applications Facilitated by Soilless Cultivation. <i>Frontiers in Plant Science</i> , 2018, 9, 1254.	1.7	91
2183	Temporal changes in soil properties and physiological characteristics of <i>Atriplex</i> species and <i>Medicago arborea</i> grown in different soil types under saline irrigation. <i>Plant and Soil</i> , 2018, 432, 315-331.	1.8	4
2184	Quality Parameter Levels of Strawberry Fruit in Response to Different Sound Waves at 1000 Hz with Different dB Values (95, 100, 105 dB). <i>Agronomy</i> , 2018, 8, 127.	1.3	9
2185	Growth, Phenolics, Photosynthetic Pigments, and Antioxidant Response of Two New Genotypes of Sea Asparagus (<i>Salicornia neei</i> Lag.) to Salinity under Greenhouse and Field Conditions. <i>Agriculture (Switzerland)</i> , 2018, 8, 115.	1.4	29
2186	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 Arabidopsis. <i>Frontiers in Plant Science</i> , 2018, 9, 1390.	1.7	5
2187	PHOTOSYNTHETIC RESPONSE OF TWO MANGO CULTIVARS SUBMITTED TO SALT STRESS AND INFECTED WITH CERATOCYSTIS FIMBRIATA. <i>Scientia Agraria</i> , 2018, 19, 20.	0.5	1
2188	Unravelling salt stress responses in two pistachio (<i>Pistacia vera</i> L.) genotypes. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	9
2189	Molecular cloning of glutathione peroxidase gene of Antarctic ice microalga <i>Chlamydomonas</i> sp. ICE and its expression changes under temperature and salinity stress. <i>Phycological Research</i> , 2018, 66, 173-181.	0.8	1
2191	Ionic Basis of Salt Tolerance in Plants: Nutrient Homeostasis and Oxidative Stress Tolerance. , 2018, , 325-362.		20
2192	Nutrient Homeostasis and Salt Stress Tolerance. , 2018, , 391-413.		5
2193	Crop Productivity in Changing Climate. <i>Sustainable Agriculture Reviews</i> , 2018, , 213-241.	0.6	6
2194	Fumarylacetoacetate hydrolase is involved in salt stress response in Arabidopsis. <i>Planta</i> , 2018, 248, 499-511.	1.6	8

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2195	Metabolomics for Crop Improvement Against Salinity Stress. , 2018, , 267-287.		16
2196	Enhancing Crop Productivity in Saline Environment Using Nanobiotechnology. , 2018, , 289-305.		2
2197	Transient silencing of heat shock proteins showed remarkable roles for HSP70 during adaptation to stress in plants. Environmental and Experimental Botany, 2018, 155, 142-157.	2.0	24
2198	Changes in gene expression in Camelina sativa roots and vegetative tissues in response to salinity stress. Scientific Reports, 2018, 8, 9804.	1.6	29
2199	Water stress alleviation by polyamines and phenolic compounds in Scrophularia striata is mediated by NO and H2O2. Plant Physiology and Biochemistry, 2018, 130, 139-147.	2.8	15
2200	The Sesuvium portulacastrum Plasma Membrane Na ⁺ /H ⁺ Antiporter SpSOS1 Complemented the Salt Sensitivity of Transgenic Arabidopsis sos1 Mutant Plants. Plant Molecular Biology Reporter, 2018, 36, 553-563.	1.0	24
2201	Proteomics Perspectives in Post-Genomic Era for Producing Salinity Stress-Tolerant Crops. , 2018, , 239-266.		4
2202	miRNAs: The Game Changer in Producing Salinity Stress-Tolerant Crops. , 2018, , 143-188.		3
2203	Genomic Roadmaps for Augmenting Salinity Stress Tolerance in Crop Plants. , 2018, , 189-216.		7
2204	Brevibacterium linens RS16 confers salt tolerance to Oryza sativa genotypes by regulating antioxidant defense and H ⁺ ATPase activity. Microbiological Research, 2018, 215, 89-101.	2.5	47
2205	Mapping of novel salt tolerance QTL in an Excalibur—Kukri doubled haploid wheat population. Theoretical and Applied Genetics, 2018, 131, 2179-2196.	1.8	60
2206	Water transport properties of root cells contribute to salt tolerance in halophytic grasses Poa juncifolia and Puccinellia nuttalliana. Plant Science, 2018, 276, 54-62.	1.7	17
2207	GABA Shunt in Durum Wheat. Frontiers in Plant Science, 2018, 9, 100.	1.7	166
2208	Transcriptome and Cell Physiological Analyses in Different Rice Cultivars Provide New Insights Into Adaptive and Salinity Stress Responses. Frontiers in Plant Science, 2018, 9, 204.	1.7	65
2209	Physiological and Metabolic Responses Triggered by Omeprazole Improve Tomato Plant Tolerance to NaCl Stress. Frontiers in Plant Science, 2018, 9, 249.	1.7	67
2210	Physiological and Biochemical Responses of Lavandula angustifolia to Salinity Under Mineral Foliar Application. Frontiers in Plant Science, 2018, 9, 489.	1.7	90
2211	GmWRKY49, a Salt-Responsive Nuclear Protein, Improved Root Length and Governed Better Salinity Tolerance in Transgenic Arabidopsis. Frontiers in Plant Science, 2018, 9, 809.	1.7	40
2212	Functional and Compositional Responses of Periphyton Mats to Simulated Saltwater Intrusion in the Southern Everglades. Estuaries and Coasts, 2018, 41, 2105-2119.	1.0	10

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2213	Cloning and characterization of SucNHX1, a novel vacuolar Na ⁺ /H ⁺ antiporter from the halophyte <i>Suaeda corniculata</i> that enhances the saline-alkali tolerance in <i>Arabidopsis</i> by its overexpression. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 134, 395-407.	1.2	7
2214	Toward Unravelling the Genetic Determinism of the Acquisition of Salt and Osmotic Stress Tolerance Through In Vitro Selection in <i>Medicago truncatula</i> . <i>Methods in Molecular Biology</i> , 2018, 1822, 291-314.	0.4	6
2215	Variation in Hydrogen Isotope Composition Among Salt Marsh Plant Organic Compounds Highlights Biochemical Mechanisms Controlling Biosynthetic Fractionation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2645-2660.	1.3	8
2216	Mining Halophytes for Plant Growth-Promoting Halotolerant Bacteria to Enhance the Salinity Tolerance of Non-halophytic Crops. <i>Frontiers in Microbiology</i> , 2018, 9, 148.	1.5	304
2217	Salt Tolerance of Six Switchgrass Cultivars. <i>Agriculture (Switzerland)</i> , 2018, 8, 66.	1.4	5
2218	Responses of Different <i>Panicum miliaceum</i> L. Genotypes to Saline and Water Stress in a Marginal Mediterranean Environment. <i>Agronomy</i> , 2018, 8, 8.	1.3	18
2219	Dual role of SND1 facilitates efficient communication between abiotic stress signalling and normal growth in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2018, 8, 10114.	1.6	17
2220	Tyrosine nitration of cytosolic peroxidase is probably triggered as a long distance signaling response in sunflower seedling cotyledons subjected to salt stress. <i>PLoS ONE</i> , 2018, 13, e0197132.	1.1	8
2221	Mechanisms of Sodium Transport in Plants—Progresses and Challenges. <i>International Journal of Molecular Sciences</i> , 2018, 19, 647.	1.8	149
2222	Nitric Oxide Is Required for Melatonin-Enhanced Tolerance against Salinity Stress in Rapeseed (<i>Brassica napus</i> L.) Seedlings. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1912.	1.8	136
2223	Evaluation of the effect of the 2011 Tsunami on coastal forests by means of multiple isotopic analyses of tree-rings. <i>Isotopes in Environmental and Health Studies</i> , 2018, 54, 494-507.	0.5	11
2224	Virus Induced Gene Silencing Approach: A Potential Functional Genomics Tool for Rapid Validation of Function of Genes Associated with Abiotic Stress Tolerance in Crop Plants. , 2018, , 25-39.		0
2225	Alleviation of Salinity Stress by Vermicompost Extract: A Comparative Study on Five Fennel Landraces. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2123-2130.	0.6	6
2226	Responses of Four Rice Varieties to Elevated CO ₂ and Different Salinity Levels. <i>Rice Science</i> , 2018, 25, 142-151.	1.7	19
2227	Plant Metabolomics in a Changing World: Metabolite Responses to Abiotic Stress Combinations. , 0, , .		7
2228	Overexpression of the rice gene <i>OsSIZ1</i> in <i>Arabidopsis</i> improves drought-, heat-, and salt-tolerance simultaneously. <i>PLoS ONE</i> , 2018, 13, e0201716.	1.1	41
2229	Overexpression of a SBP-Box Gene (<i>VpSBP16</i>) from Chinese Wild <i>Vitis</i> Species in <i>Arabidopsis</i> Improves Salinity and Drought Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2018, 19, 940.	1.8	50
2230	Temporal and spatial changes in ion homeostasis, antioxidant defense and accumulation of flavonoids and glycolipid in a halophyte <i>Sesuvium portulacastrum</i> (L.) L.. <i>PLoS ONE</i> , 2018, 13, e0193394.	1.1	27

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2231	Silicon mediates sodium transport and partitioning in maize under moderate salt stress. <i>Environmental and Experimental Botany</i> , 2018, 155, 681-687.	2.0	56
2232	Genomic and Genetic Studies of Abiotic Stress Tolerance in Barley. <i>Compendium of Plant Genomes</i> , 2018, , 259-286.	0.3	8
2233	Role of Plant Nutrients in Plant Growth and Physiology. , 2018, , 51-93.		13
2234	Comparative analysis of water deficit and salt tolerance mechanisms in <i>Silene</i> . <i>South African Journal of Botany</i> , 2018, 117, 193-206.	1.2	20
2235	Population resequencing reveals candidate genes associated with salinity adaptation of the Pacific oyster <i>Crassostrea gigas</i> . <i>Scientific Reports</i> , 2018, 8, 8683.	1.6	13
2236	<i>Hordeum vulgare</i> and <i>Hordeum maritimum</i> respond to extended salinity stress displaying different temporal accumulation pattern of metabolites. <i>Functional Plant Biology</i> , 2018, 45, 1096.	1.1	82
2237	Variation in Plant Bioactive Compounds and Antioxidant Activities Under Salt Stress. , 2018, , 77-101.		3
2239	Response of Plants to Salinity Stress and the Role of Salicylic Acid in Modulating Tolerance Mechanisms: Physiological and Proteomic Approach. , 2018, , 103-136.		4
2240	Growth performance, organ-level ionic relations and organic osmoregulation of <i>Elaeagnus angustifolia</i> in response to salt stress. <i>PLoS ONE</i> , 2018, 13, e0191552.	1.1	22
2241	The Novel Rose MYB Transcription Factor RhMYB96 Enhances Salt Tolerance in Transgenic Arabidopsis. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 406-417.	1.0	11
2242	Interrelationships between the heterotrimeric G β 2 subunit AGB1, the receptor-like kinase FERONIA, and RALF1 in salinity response. <i>Plant, Cell and Environment</i> , 2018, 41, 2475-2489.	2.8	42
2243	Rice in Saline Soils: Physiology, Biochemistry, Genetics, and Management. <i>Advances in Agronomy</i> , 2018, 148, 231-287.	2.4	100
2244	Halo-tolerant rhizospheric <i>Arthrobacter woluwensis</i> AK1 mitigates salt stress and induces physio-hormonal changes and expression of GmST1 and GmLAX3 in soybean. <i>Symbiosis</i> , 2019, 77, 9-21.	1.2	47
2245	Identification of physiological and biochemical markers for salt (NaCl) stress in the seedlings of mungbean [<i>Vigna radiata</i> (L.) Wilczek] genotypes. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1053-1060.	1.8	18
2246	Evaluation of salt resistance mechanisms of grapevine hybrid rootstocks. <i>Scientia Horticulturae</i> , 2019, 243, 148-158.	1.7	21
2247	Biochemical and physiological characterization of a halotolerant <i>Dunaliella salina</i> isolated from hypersaline Sambhar Lake, India. <i>Journal of Phycology</i> , 2019, 55, 60-73.	1.0	23
2248	Ectopic expression of a grape vine vacuolar NHX antiporter enhances transgenic potato plant tolerance to salinity. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 50-62.	0.9	11
2249	Cold plasma treatment and exogenous salicylic acid priming enhances salinity tolerance of <i>Oryza sativa</i> seedlings. <i>Protoplasma</i> , 2019, 256, 79-99.	1.0	90

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2250	Overexpression of Ks-type dehydrins gene OeSRC1 from <i>Olea europaea</i> increases salt and drought tolerance in tobacco plants. <i>Molecular Biology Reports</i> , 2019, 46, 5745-5757.	1.0	8
2251	Improved salinity tolerance and growth performance in transgenic sunflower plants via ectopic expression of a wheat antiporter gene (TaNHX2). <i>Molecular Biology Reports</i> , 2019, 46, 5941-5953.	1.0	39
2252	Growth, Physiological and Biochemical Responses of two Greek Cotton Cultivars to Salt Stress and their Impact as Selection Indices for Salt Tolerance. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2019, 47, .	0.5	3
2253	Integrated physiologic, proteomic, and metabolomic analyses of <i>Malus halliana</i> adaptation to saline alkali stress. <i>Horticulture Research</i> , 2019, 6, 91.	2.9	73
2254	Effects of salicylic acid on hormonal cross talk, fatty acids profile, and ions homeostasis from salt-stressed safflower. <i>Journal of Plant Interactions</i> , 2019, 14, 340-346.	1.0	43
2255	Avenues of the membrane transport system in adaptation of plants to abiotic stresses. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 861-883.	5.1	53
2256	Insights into Physiological Mechanisms of Salt Stress Tolerance in Djulis (<i>Chenopodium formosanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 0.9	0.9	9
2257	Effect of salinity on the morphological, physiological and biochemical properties of lettuce (<i>Lactuca sativa</i> L.) in Bangladesh. <i>Open Agriculture</i> , 2019, 4, 361-373.	0.7	33
2259	GABA operates upstream of H ⁺ -ATPase and improves salinity tolerance in <i>Arabidopsis</i> by enabling cytosolic K ⁺ retention and Na ⁺ exclusion. <i>Journal of Experimental Botany</i> , 2019, 70, 6349-6361.	2.4	73
2260	Tissue-specific respiratory burst oxidase homolog-dependent H ₂ O ₂ signaling to the plasma membrane H ⁺ -ATPase confers potassium uptake and salinity tolerance in Cucurbitaceae. <i>Journal of Experimental Botany</i> , 2019, 70, 5879-5893.	2.4	90
2261	Comparative proteomics and gene expression analyses revealed responsive proteins and mechanisms for salt tolerance in chickpea genotypes. <i>BMC Plant Biology</i> , 2019, 19, 300.	1.6	48
2262	Omeprazole Promotes Chloride Exclusion and Induces Salt Tolerance in Greenhouse Basil. <i>Agronomy</i> , 2019, 9, 355.	1.3	14
2263	Evaluation of Glycosyl-Hydrolases, Phosphatases, Esterases and Proteases as Potential Biomarker for NaCl-Stress Tolerance in <i>Solanum lycopersicum</i> L. Varieties. <i>Molecules</i> , 2019, 24, 2488.	1.7	12
2264	Morphological, biochemical, molecular, and oil toxicity properties of <i>Taxodium</i> trees from different locations. <i>Industrial Crops and Products</i> , 2019, 139, 111515.	2.5	33
2265	Investigation of Na ⁺ and K ⁺ Transport in Halophytes: Functional Analysis of the HmHKT2;1 Transporter from <i>Hordeum maritimum</i> and Expression under Saline Conditions. <i>Plant and Cell Physiology</i> , 2019, 60, 2423-2435.	1.5	17
2266	Physiological Responses of Contrasting Rice Genotypes to Salt Stress at Reproductive Stage. <i>Rice Science</i> , 2019, 26, 207-219.	1.7	70
2267	Arbuscular Mycorrhizal Fungi Confer Salt Tolerance in Giant Reed (<i>Arundo donax</i> L.) Plants Grown Under Low Phosphorus by Reducing Leaf Na ⁺ Concentration and Improving Phosphorus Use Efficiency. <i>Frontiers in Plant Science</i> , 2019, 10, 843.	1.7	33
2268	An extracellular cation coordination site influences ion conduction of OsHKT2;2. <i>BMC Plant Biology</i> , 2019, 19, 316.	1.6	11

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2269	Induced expression of NOX and SOD by gaseous sulfur dioxide and chlorine dioxide enhances antioxidant capacity and maintains fruit quality of 'Daw' longan fruit during storage through H ₂ O ₂ signaling. <i>Postharvest Biology and Technology</i> , 2019, 156, 110938.	2.9	26
2271	Seed Pre-treatment with Polyhydroxy Fullerene Nanoparticles Confer Salt Tolerance in Wheat Through Upregulation of H ₂ O ₂ Neutralizing Enzymes and Phosphorus Uptake. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 734-742.	1.7	46
2272	The physiological response of 'Hass' avocado to salinity as influenced by rootstock. <i>Scientia Horticulturae</i> , 2019, 256, 108629.	1.7	19
2273	Overexpression of PtrbHLH, a basic helix-loop-helix transcription factor from <i>Poncirus trifoliata</i> , confers enhanced cold tolerance in pummelo (<i>Citrus grandis</i>) by modulation of H ₂ O ₂ level via regulating a CAT gene. <i>Tree Physiology</i> , 2019, 39, 2045-2054.	1.4	21
2274	Plant Growth-Promoting Bacteria for Improving Crops Under Saline Conditions. <i>Soil Biology</i> , 2019, , 329-352.	0.6	3
2275	Salinity Stress-Dependent Coordination of Metabolic Networks in Relation to Salt Tolerance in Plants. <i>Soil Biology</i> , 2019, , 401-422.	0.6	3
2276	Cellular Mechanisms of Plant Salt Tolerance. <i>Soil Biology</i> , 2019, , 169-210.	0.6	8
2277	Insights in the Physiological, Biochemical and Molecular Basis of Salt Stress Tolerance in Plants. <i>Soil Biology</i> , 2019, , 353-374.	0.6	9
2278	Response Regulators 9 and 10 Negatively Regulate Salinity Tolerance in Rice. <i>Plant and Cell Physiology</i> , 2019, 60, 2549-2563.	1.5	68
2279	Response of seedling growth and physiology of <i>Sorghum bicolor</i> (L.) Moench to saline-alkali stress. <i>PLoS ONE</i> , 2019, 14, e0220340.	1.1	53
2280	Impact of some industrial solid wastes on the growth and heavy metal uptake of cucumber (<i>Cucumis</i>) Tj ETQq0 0 0,rgBT /Overlock 10 Tt	2.9	26
2281	Temporary increase of the concentration of nutrient solution in soilless culture improves strawberry quality. <i>Journal of Plant Nutrition</i> , 2019, 42, 1505-1515.	0.9	1
2282	Phosphorus Limitation Improved Salt Tolerance in Maize Through Tissue Mass Density Increase, Osmolytes Accumulation, and Na ⁺ Uptake Inhibition. <i>Frontiers in Plant Science</i> , 2019, 10, 856.	1.7	49
2283	AtDPC1 is involved in the salt stress response of <i>Arabidopsis</i> seedling through ABI4. <i>Plant Science</i> , 2019, 287, 110180.	1.7	6
2284	Genetic sources for the development of salt tolerance in crops. <i>Plant Growth Regulation</i> , 2019, 89, 1-17.	1.8	43
2285	Impact of Combined Heat and Drought Stress on the Potential Growth Responses of the Desert Grass <i>Artemisia sieberi</i> alba: Relation to Biochemical and Molecular Adaptation. <i>Plants</i> , 2019, 8, 416.	1.6	41
2286	Morphological and metabolic responses to salt stress of rice (<i>Oryza sativa</i> L.) cultivars which differ in salinity tolerance. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 427-435.	2.8	59
2287	Genetic Loci Associated with Early Salt Stress Responses of Roots. <i>IScience</i> , 2019, 21, 458-473.	1.9	37

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2288	Supplemental potassium mediates antioxidant metabolism, physiological processes, and osmoregulation to confer salt stress tolerance in cabbage (<i>Brassica oleracea</i> L.). <i>Horticulture Environment and Biotechnology</i> , 2019, 60, 853-869.	0.7	16
2289	Foxtail millet (<i>Setaria italica</i> (L.) P. Beauv) CIPKs are responsive to ABA and abiotic stresses. <i>PLoS ONE</i> , 2019, 14, e0225091.	1.1	14
2290	Analysis of metabolomics associated with quality differences between room-temperature and low-temperature stored litchi pulps. <i>Food Science and Nutrition</i> , 2019, 7, 3560-3569.	1.5	12
2291	A cytosolic NAD ⁺ -dependent GPDH from maize (<i>ZmGPDH1</i>) is involved in conferring salt and osmotic stress tolerance. <i>BMC Plant Biology</i> , 2019, 19, 16.	1.6	21
2292	Morphometric Characterization of Halophytic Plant Chloroplasts. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 707-711.	0.5	1
2293	Physiological role of trehalose on enhancing salinity tolerance of wheat plant. <i>Bulletin of the National Research Centre</i> , 2019, 43, .	0.7	56
2295	Magnetic field regulates plant functions, growth and enhances tolerance against environmental stresses. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 1107-1119.	1.4	56
2296	Spatio-Temporal Metabolite and Elemental Profiling of Salt Stressed Barley Seeds During Initial Stages of Germination by MALDI-MSI and μ -XRF Spectrometry. <i>Frontiers in Plant Science</i> , 2019, 10, 1139.	1.7	46
2297	NaCl induced salt adaptive changes and enhanced accumulation of 20-hydroxyecdysone in the in vitro shoot cultures of <i>Spinacia oleracea</i> (L.). <i>Scientific Reports</i> , 2019, 9, 12522.	1.6	38
2298	TaPP2A β , a wheat regulatory subunit of PP2A enhanced abiotic stress tolerance. <i>Plant Growth Regulation</i> , 2019, 89, 345-355.	1.8	3
2299	Alpha-tocopherol fertigation confers growth physio-biochemical and qualitative yield enhancement in field grown water deficit wheat (<i>Triticum aestivum</i> L.). <i>Scientific Reports</i> , 2019, 9, 12924.	1.6	48
2300	<i>Bacillus megaterium</i> strain A12 ameliorates salinity stress in tomato plants through multiple mechanisms. <i>Journal of Plant Interactions</i> , 2019, 14, 506-518.	1.0	36
2301	Calcium signaling and salt tolerance are diversely entwined in plants. <i>Plant Signaling and Behavior</i> , 2019, 14, 1665455.	1.2	113
2302	Antioxidant Response to Salinity in Salt-Tolerant and Salt-Susceptible Cultivars of Date Palm. <i>Agriculture (Switzerland)</i> , 2019, 9, 8.	1.4	64
2303	Seed priming in field crops: potential benefits, adoption and challenges. <i>Crop and Pasture Science</i> , 2019, 70, 731.	0.7	141
2304	Transcriptome analysis reveals differentially expressed ERF transcription factors associated with salt response in cotton. <i>Plant Science</i> , 2019, 281, 72-81.	1.7	70
2305	Identification and characterization of the mango eIF gene family reveals MiEF1A-a, which confers tolerance to salt stress in transgenic <i>Arabidopsis</i> . <i>Scientia Horticulturae</i> , 2019, 248, 274-281.	1.7	15
2306	Physiological, epigenetic and genetic regulation in some olive cultivars under salt stress. <i>Scientific Reports</i> , 2019, 9, 1093.	1.6	64

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2307	Effects of foliar application of methanol on some physiological characteristics of <i>Lavandula stoechas</i> L. under NaCl salinity conditions. <i>Journal of Plant Nutrition</i> , 2019, 42, 261-268.	0.9	13
2308	Involvement of G6PD5 in ABA response during seed germination and root growth in <i>Arabidopsis</i> . <i>BMC Plant Biology</i> , 2019, 19, 44.	1.6	16
2309	Transgenic <i>Arabidopsis</i> 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
2310	Physiological and Proteomic Responses of Mulberry Trees (<i>Morus alba</i> L.) to Combined Salt and Drought Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2486.	1.8	45
2311	Barley cold-induced CISP proteins contribute to the accumulation of heavy metals in roots. <i>Environmental and Experimental Botany</i> , 2019, 165, 53-58.	2.0	5
2312	Functional screening of genes from a halophyte wild rice relative <i>Porteresia coarctata</i> in <i>Arabidopsis</i> model identifies candidate genes involved in salt tolerance. <i>Current Plant Biology</i> , 2019, 18, 100107.	2.3	14
2313	Recretohalophyte <i>Tamarix</i> TrSOS1 confers higher salt tolerance to transgenic plants and yeast than glycophyte soybean GmSOS1. <i>Environmental and Experimental Botany</i> , 2019, 165, 196-207.	2.0	11
2314	Potential of plant beneficial bacteria and arbuscular mycorrhizal fungi in phytoremediation of metal-contaminated saline soils. <i>Journal of Hazardous Materials</i> , 2019, 379, 120813.	6.5	146
2315	Soil-Plant-Microbe Interactions in Salt-affected Soils. , 2019, , 203-235.		5
2316	Salinity stress mitigation by humic acid application in strawberry (<i>Fragaria x ananassa</i> Duch.). <i>Scientia Horticulturae</i> , 2019, 256, 108594.	1.7	53
2317	PnSAG1, an E3 ubiquitin ligase of the Antarctic moss <i>Pohlia nutans</i> , enhanced sensitivity to salt stress and ABA. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 343-352.	2.8	14
2318	<i>Ascophyllum nodosum</i> -Based Biostimulants: Sustainable Applications in Agriculture for the Stimulation of Plant Growth, Stress Tolerance, and Disease Management. <i>Frontiers in Plant Science</i> , 2019, 10, 655.	1.7	258
2319	Transcriptome and Gene Coexpression Network Analyses of Two Wild Populations Provides Insight into the High-Salinity Adaptation Mechanisms of <i>Crassostrea ariakensis</i> . <i>Marine Biotechnology</i> , 2019, 21, 596-612.	1.1	24
2320	Plants and salt: Plant response and adaptations to salinity. , 2019, , 101-112.		27
2321	Involvement of OpsLTP1 from <i>Opuntia streptacantha</i> in abiotic stress adaptation and lipid metabolism. <i>Functional Plant Biology</i> , 2019, 46, 816.	1.1	5
2322	Differential effects of NaCl and Na ₂ SO ₄ on the halophyte <i>Prosopis strombulifera</i> are explained by different responses of photosynthesis and metabolism. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 306-314.	2.8	7
2323	Identification of Salt and Drought Biochemical Stress Markers in Several <i>Silene vulgaris</i> Populations. <i>Sustainability</i> , 2019, 11, 800.	1.6	19
2324	24-epibrassinolide pre-treatment alleviates the salt-induced deleterious effects in medicinal pumpkin (<i>Cucurbita pepo</i>) by enhancement of GABA content and enzymatic antioxidants. <i>South African Journal of Botany</i> , 2019, 124, 111-117.	1.2	8

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2325	Co-overexpression of AVP1 and OsSIZ1 in Arabidopsis substantially enhances plant tolerance to drought, salt, and heat stresses. <i>Scientific Reports</i> , 2019, 9, 7642.	1.6	30
2326	Arabidopsis IAR4 Modulates Primary Root Growth Under Salt Stress Through ROS-Mediated Modulation of Auxin Distribution. <i>Frontiers in Plant Science</i> , 2019, 10, 522.	1.7	52
2327	Comparison of corm soaks with preharvest foliar application of moringa leaf extract for improving growth and yield of cut <i>Freesia hybrida</i> . <i>Scientia Horticulturae</i> , 2019, 254, 21-25.	1.7	19
2328	Salt Stress Responses and Tolerance in <i>Wheat</i> . , 2019, , 89-127.		1
2329	Actual Evapotranspiration and Tree Performance of Mature Micro-Irrigated Pistachio Orchards Grown on Saline-Sodic Soils in the San Joaquin Valley of California. <i>Agriculture (Switzerland)</i> , 2019, 9, 76.	1.4	13
2330	K ⁺ and Na ⁺ transport contribute to K ⁺ /Na ⁺ homeostasis in <i>Pyropia haitanensis</i> under hypersaline stress. <i>Algal Research</i> , 2019, 40, 101526.	2.4	28
2331	Abiotic Stress Signaling in <i>Wheat Crop</i> . , 2019, , 261-282.		4
2332	Lipid-Extracted Algae as a Soil Amendment Can Increase Soil Salinization and Reduce Forage Growth. <i>Sustainability</i> , 2019, 11, 1946.	1.6	2
2333	Exogenous trehalose alleviates the adverse effects of salinity stress in wheat. <i>Turkish Journal of Botany</i> , 2019, 43, 48-57.	0.5	10
2334	Plant Growth-Promoting Bacteria: Biotic Strategy to Cope with Abiotic Stresses in <i>Wheat</i> . , 2019, , 579-614.		14
2335	Pre-breeding: the role of antioxidant enzymes on maize in salt stress tolerance. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	4
2336	Ectomycorrhizal symbiosis helps plants to challenge salt stress conditions. <i>Mycorrhiza</i> , 2019, 29, 291-301.	1.3	40
2337	Morphophysiological and molecular evidence supporting the augmentative role of in mitigation of salinity in <i>L.</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2019, 51, 301-312.	0.9	17
2338	Halophyte Growth and Physiology Under Metal Toxicity. , 2019, , 83-113.		5
2339	Phosphoproteomic Analysis of Two Contrasting Maize Inbred Lines Provides Insights into the Mechanism of Salt-Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1886.	1.8	26
2340	Detection of biochemical and molecular changes in <i>Oryza sativa L</i> during drought stress. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101150.	1.5	0
2341	Acute salt stress differentially modulates nitrate reductase expression in contrasting salt responsive rice cultivars. <i>Protoplasma</i> , 2019, 256, 1267-1278.	1.0	23
2342	MicroRNA396-mediated alteration in plant development and salinity stress response in creeping bentgrass. <i>Horticulture Research</i> , 2019, 6, 48.	2.9	64

#	ARTICLE	IF	CITATIONS
2343	Behavior of Halophytes and Their Tolerance Mechanism Under Different Abiotic Stresses. , 2019, , 25-38.		1
2344	Halophyte Species as a Source of Secondary Metabolites with Antioxidant Activity. , 2019, , 289-312.		9
2345	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
2346	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
2347	Accumulation of glycine betaine in transplastomic potato plants expressing choline oxidase confers improved drought tolerance. <i>Planta</i> , 2019, 249, 1963-1975.	1.6	47
2348	Interactive Effects of Salinity and ZnO Nanoparticles on Physiological and Molecular Parameters of Rapeseed (<i>Brassica napus</i> L.). <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 698-715.	0.6	55
2349	Role and Functional Differences of HKT1-Type Transporters in Plants under Salt Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1059.	1.8	78
2350	Nutrients Content in Some Vegetables Grown in South-Central Coastal Regions of Bangladesh. <i>The Agriculturists</i> , 2019, 16, 43-57.	0.3	0
2352	Arbuscular mycorrhizal fungus and rhizobacteria affect the physiology and performance of <i>Sulla coronariaplants</i> subjected to salt stress by mitigation of ionic imbalance. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 451-462.	1.1	13
2353	Deciphering the nitric oxide, cyanide and iron-mediated actions of sodium nitroprusside in cotyledons of salt stressed sunflower seedlings. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 88, 10-26.	1.2	29
2354	Tolerance of citrus rootstocks to poor water quality is improved by root zone aeration via selective uptake of ions, higher photosynthesis and carbon storage. <i>Scientia Horticulturae</i> , 2019, 251, 9-19.	1.7	10
2355	Effects of green seaweed extract on <i>Arabidopsis</i> early development suggest roles for hormone signalling in plant responses to algal fertilisers. <i>Scientific Reports</i> , 2019, 9, 1983.	1.6	49
2356	Salt Stress-Induced Changes in In Vitro Cultured <i>Stevia rebaudiana</i> Bertoni: Effect on Metabolite Contents, Antioxidant Capacity and Expression of Steviol Glycosides-Related Biosynthetic Genes. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1341-1353.	2.8	21
2357	Alleviation of salt stress response in soybean plants with the endophytic bacterial isolate <i>Curtobacterium</i> sp. SAK1. <i>Annals of Microbiology</i> , 2019, 69, 797-808.	1.1	88
2358	Mitigation of Salinity Stress in Plants by Arbuscular Mycorrhizal Symbiosis: Current Understanding and New Challenges. <i>Frontiers in Plant Science</i> , 2019, 10, 470.	1.7	310
2359	Transcriptomic Analysis of Seed Germination Under Salt Stress in Two Desert Sister Species (<i>Populus</i>) Tj ETQq1 1 0,784314 rgBT /Overd 1.1 32	1.1	32
2360	Selective manipulation of the inositol metabolic pathway for induction of salt-tolerance in indica rice variety. <i>Scientific Reports</i> , 2019, 9, 5358.	1.6	19
2361	Effects of Arbuscular Mycorrhizal Fungi and Rhizobia Symbiosis on the Tolerance of <i>Medicago Sativa</i> to Salt Stress. <i>Gesunde Pflanzen</i> , 2019, 71, 135-146.	1.7	53

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2362	Maize Production Under Salinity and Drought Conditions: Oxidative Stress Regulation by Antioxidant Defense and Glyoxalase Systems. , 2019, , 1-34.		4
2363	Calcium-Mediated Growth Regulation and Abiotic Stress Tolerance in Plants. , 2019, , 291-331.		15
2364	Nitric oxide regulates plant responses to drought, salinity, and heavy metal stress. Environmental and Experimental Botany, 2019, 161, 120-133.	2.0	278
2365	One pot hydrothermal synthesis of fluorescent NP-carbon dots derived from Dunaliella salina biomass and its application in on-off sensing of Hg (II), Cr (VI) and live cell imaging. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 376, 63-72.	2.0	82
2366	Transcriptomic analysis reveals protein homeostasis breakdown in the coral Acropora millepora during hypo-saline stress. BMC Genomics, 2019, 20, 148.	1.2	33
2367	Shoot chloride translocation as a determinant for NaCl tolerance in Vicia faba L.. Journal of Plant Physiology, 2019, 236, 23-33.	1.6	10
2368	Grain Legumes and Fear of Salt Stress: Focus on Mechanisms and Management Strategies. International Journal of Molecular Sciences, 2019, 20, 799.	1.8	69
2369	NaCl- and cold-induced stress activate different Ca ²⁺ -permeable channels in Arabidopsis thaliana. Plant Growth Regulation, 2019, 87, 217-225.	1.8	9
2370	Ecophysiological Responses of Carpinus turczaninowii L. to Various Salinity Treatments. Forests, 2019, 10, 96.	0.9	6
2371	How an ancient, salt-tolerant fruit crop, Ficus carica L., copes with salinity: a transcriptome analysis. Scientific Reports, 2019, 9, 2561.	1.6	26
2372	Alleviation of salinity stress in rice plant by encapsulated salt tolerant plant growth promoting bacteria <i>Pantoea agglomerans</i> strain KL and its root colonization ability. Archives of Agronomy and Soil Science, 2019, 65, 1955-1968.	1.3	30
2373	Sodium Selenate Treatment Using a Combination of Seed Priming and Foliar Spray Alleviates Salinity Stress in Rice. Frontiers in Plant Science, 2019, 10, 116.	1.7	87
2374	Cytosolic Glucose-6-Phosphate Dehydrogenase Is Involved in Seed Germination and Root Growth Under Salinity in Arabidopsis. Frontiers in Plant Science, 2019, 10, 182.	1.7	42
2375	Development of salinity tolerant version of a popular rice variety improved white ponni through marker assisted back cross breeding. Plant Physiology Reports, 2019, 24, 262-271.	0.7	16
2376	Breeding Brassica juncea and B. rapa for Sustainable Oilseed Production in the Changing Climate: Progress and Prospects. , 2019, , 275-369.		6
2377	Ameliorating effects of exogenous calcium on the photosynthetic physiology of honeysuckle (Lonicera japonica) under salt stress. Functional Plant Biology, 2019, 46, 1103.	1.1	9
2378	Harmonizing technological advances in phenomics and genomics for enhanced salt tolerance in rice from a practical perspective. Rice, 2019, 12, 89.	1.7	24
2379	Characterizing the Role of TaWRKY13 in Salt Tolerance. International Journal of Molecular Sciences, 2019, 20, 5712.	1.8	18

#	ARTICLE	IF	CITATIONS
2380	Phenomic and Physiological Analysis of Salinity Effects on Lettuce. <i>Sensors</i> , 2019, 19, 4814.	2.1	44
2381	Salinity Stress in Arid and Semi-Arid Climates: Effects and Management in Field Crops. , 0, , .		65
2382	Ultrastructural Reorganization of Chloroplasts during Plant Adaptation to Abiotic Stress Factors. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 850-863.	0.5	17
2383	Alleviation of Salinity Stress in Maize Using Silicon Nutrition. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2019, 47, 1340-1347.	0.5	23
2384	Growth, Evapotranspiration, and Ion Uptake Characteristics of Alfalfa and Triticale Irrigated with Brackish Groundwater and Desalination Concentrate. <i>Agronomy</i> , 2019, 9, 789.	1.3	10
2385	Assessment of Cucumber Genotypes for Salt Tolerance Based on Germination and Physiological Indices. Dose-Response, 2019, 17, 155932581988980.	0.7	5
2386	Transcriptome Analysis for Abiotic Stresses in Rice (<i>Oryza sativa</i> L.). , 2019, , .		7
2387	Exogenous p-Coumaric Acid Improves <i>Salvia hispanica</i> L. Seedling Shoot Growth. <i>Plants</i> , 2019, 8, 546.	1.6	12
2388	The GABA shunt pathway in germinating seeds of wheat (<i>Triticum aestivum</i> L.) and barley (<i>Hordeum vulgare</i> L.) under salt stress. <i>Seed Science Research</i> , 2019, 29, 250-260.	0.8	25
2389	Plant Growth-Promoting Microbial Enzymes. , 2019, , 521-534.		8
2390	Morpho-anatomical, physiological and biochemical adaptive responses to saline water of <i>Bougainvillea spectabilis</i> Willd. trained to different canopy shapes. <i>Agricultural Water Management</i> , 2019, 212, 12-22.	2.4	78
2391	Pea p68, a DEAD-box helicase, enhances salt tolerance in marker-free transgenic plants of soybean [<i>Glycine max</i> (L.) Merrill]. <i>3 Biotech</i> , 2019, 9, 10.	1.1	9
2392	Metabolomic insights into the mechanisms underlying tolerance to salinity in different halophytes. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 528-545.	2.8	64
2393	Salinity from NaCl changes the nutrient and polyphenolic composition of basil leaves. <i>Industrial Crops and Products</i> , 2019, 127, 119-128.	2.5	60
2394	Genome-wide identification and analysis of the DREB genes and their expression profiles under abiotic stresses in Chinese jujube (<i>Ziziphus jujuba</i> Mill.). <i>Journal of Forestry Research</i> , 2019, 30, 1277-1287.	1.7	7
2395	Abiotic Stress and Rice Grain Quality. , 2019, , 571-583.		33
2396	Cross talk between energy cost and expression of Methyl Jasmonate-regulated genes: from DNA to protein. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 230-243.	0.9	1
2397	Emerging Role of Osmolytes in Enhancing Abiotic Stress Tolerance in Rice. , 2019, , 677-708.		22

#	ARTICLE	IF	CITATIONS
2398	Comparative proteomic analysis of salt-responsive proteins in canola roots by 2-DE and MALDI-TOF MS. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 227-236.	1.1	18
2399	Alleviation of salt stress and changes in glycyrrhizin accumulation by arbuscular mycorrhiza in liquorice (<i>Glycyrrhiza glabra</i>) grown under salinity stress. <i>Environmental and Experimental Botany</i> , 2019, 160, 25-34.	2.0	39
2400	The impact of foliar fertilizers on growth and biochemical responses of <i>Thymus vulgaris</i> to salinity stress. <i>Arid Land Research and Management</i> , 2019, 33, 297-320.	0.6	12
2401	Characterization of squalene-induced PgCYP736B involved in salt tolerance by modulating key genes of abscisic acid biosynthesis. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 796-805.	3.6	18
2402	Sulfur metabolism in <i>Allium cepa</i> is hardly affected by chloride and sulfate salinity. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 945-956.	1.3	16
2403	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
2404	OsTSD2 mediated cell wall modification affects ion homeostasis and salt tolerance. <i>Plant, Cell and Environment</i> , 2019, 42, 1503-1512.	2.8	22
2405	What do we know about salt stress in bryophytes?. <i>Plant Biosystems</i> , 2019, 153, 478-489.	0.8	12
2406	Alternative respiration pathway is involved in the response of highland barley to salt stress. <i>Plant Cell Reports</i> , 2019, 38, 295-309.	2.8	12
2407	Omics Approaches in Developing Abiotic Stress Tolerance in Rice (<i>Oryza sativa</i> L.). , 2019, , 767-779.		8
2408	Metabolic Adjustment of Arabidopsis Root Suspension Cells During Adaptation to Salt Stress and Mitotic Stress Memory. <i>Plant and Cell Physiology</i> , 2019, 60, 612-625.	1.5	24
2409	An apple transcription factor, MdDREB76, 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
2410	A Comprehensive Review on Rice Responses and Tolerance to Salt Stress. , 2019, , 133-158.		33
2411	Germination profiling of lentil genotypes subjected to salinity stress. <i>Plant Biology</i> , 2019, 21, 480-486.	1.8	31
2412	Response of Fennel (<i>Foeniculum vulgare</i> , Mill) plants to foliar application of moringa leaf extract and benzyladenine (BA). <i>South African Journal of Botany</i> , 2020, 129, 113-122.	1.2	25
2413	Evaluation of subtropical ornamental trees for reclaiming salinity affected lands. <i>Journal of Forestry Research</i> , 2020, 31, 807-817.	1.7	3
2414	Functional activation of a novel R2R3-MYB protein gene, <i>GmMYB68</i> , confers salt-alkali resistance in soybean (<i>Glycine max</i> L.). <i>Genome</i> , 2020, 63, 13-26.	0.9	28
2415	Supplementary potassium and calcium improves salt tolerance in olive plants. <i>Scientia Horticulturae</i> , 2020, 260, 108912.	1.7	41

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2416	PGDH family genes differentially affect Arabidopsis tolerance to salt stress. <i>Plant Science</i> , 2020, 290, 110284.	1.7	12
2417	Interactive effects of salinity and silicon application on <i>Solanum lycopersicum</i> growth, physiology and shelf-life of fruit produced hydroponically. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 732-743.	1.7	37
2418	Effect of salinity on the antiparasitic activity of hyssop essential oil. <i>Journal of Essential Oil Research</i> , 2020, 32, 69-78.	1.3	6
2419	The salt-induced transcription factor GmMYB84 confers salinity tolerance in soybean. <i>Plant Science</i> , 2020, 291, 110326.	1.7	43
2420	CgHog1 controls the adaptation to both sorbitol and fludioxonil in <i>Colletotrichum gloeosporioides</i> . <i>Fungal Genetics and Biology</i> , 2020, 135, 103289.	0.9	11
2421	Differential Salt Sensitivity of Two Flax Cultivars Coincides with Differential Sodium Accumulation, Biosynthesis of Osmolytes and Antioxidant Enzyme Activities. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1119-1126.	2.8	7
2422	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
2423	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
2424	Seed Biopriming with Salt-Tolerant Endophytic <i>Pseudomonas geniculata</i> -Modulated Biochemical Responses Provide Ecological Fitness in Maize (<i>Zea mays</i> L.) Grown in Saline Sodic Soil. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 253.	1.2	39
2425	Water deficit modulates growth, morphology, and the essential oil profile in <i>Lippia alba</i> L. (<i>Verbenaceae</i>) grown in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 141, 55-65.	1.2	13
2426	TaZnF, a C3HC4 type RING zinc finger protein from <i>Triticum aestivum</i> is involved in dehydration and salinity stress. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2020, 29, 395-406.	0.9	20
2427	Transcriptional, metabolic and DNA methylation changes underpinning the response of <i>Arundo donax</i> ecotypes to NaCl excess. <i>Planta</i> , 2020, 251, 34.	1.6	8
2428	Expression of <i>Arabidopsis thaliana</i> Thioredoxin-h2 in <i>Brassica napus</i> enhances antioxidant defenses and improves salt tolerance. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 313-321.	2.8	25
2429	Climate change projections for Carpathian soda pans on the basis of photosynthesis evidence from typical diatom species. <i>Science of the Total Environment</i> , 2020, 710, 136241.	3.9	11
2430	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
2432	Rosmarinic acid inhibits programmed cell death in <i>Solanum tuberosum</i> L. calli under high salinity. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 54-65.	2.8	9
2433	Combined effects of brassinosteroid and kinetin mitigates salinity stress in tomato through the modulation of antioxidant and osmolyte metabolism. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 31-42.	2.8	114
2434	The mechanisms of improving coastal saline soils by planting rice. <i>Science of the Total Environment</i> , 2020, 703, 135529.	3.9	75

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2435	Comparative Proteomic Analysis of Nodulated and Non-Nodulated <i>Casuarina glauca</i> Sieb. ex Spreng. Grown under Salinity Conditions Using Sequential Window Acquisition of All Theoretical Mass Spectra (SWATH-MS). <i>International Journal of Molecular Sciences</i> , 2020, 21, 78.	1.8	13
2436	The Emerging Roles of Diacylglycerol Kinase (DGK) in Plant Stress Tolerance, Growth, and Development. <i>Agronomy</i> , 2020, 10, 1375.	1.3	20
2437	Halophytes and the Future of Agriculture. , 2020, , 1-15.		1
2438	Whole-genome mining of abiotic stress gene loci in rice. <i>Planta</i> , 2020, 252, 85.	1.6	7
2439	Potassium: A key modulator for cell homeostasis. <i>Journal of Biotechnology</i> , 2020, 324, 198-210.	1.9	57
2440	Silicon-induced postponement of leaf senescence is accompanied by modulation of antioxidative defense and ion homeostasis in mustard (<i>Brassica juncea</i>) seedlings exposed to salinity and drought stress. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 47-59.	2.8	70
2441	Effect of Saline-Alkali and Drought Stress on Seed Germination of <i>Haloxylon Ammodendron</i> *. <i>Journal of Physics: Conference Series</i> , 2020, 1578, 012209.	0.3	0
2442	Morphological and proteomic analyses of <i>Zea mays</i> in response to water stress. <i>African Journal of Biotechnology</i> , 2020, 19, 223-230.	0.3	1
2443	Glycerol foliar application improves salt tolerance in three pistachio rootstocks. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2020, 19, 426-437.	1.0	4
2444	Induced anti-oxidation efficiency and others by salt stress in <i>Rosa damascena</i> Miller. <i>Scientia Horticulturae</i> , 2020, 274, 109681.	1.7	26
2445	A protein repairing enzyme, PROTEIN L- ISOASPARTYL METHYLTRANSFERASE is involved in salinity stress tolerance by increasing efficiency of ROS-scavenging enzymes. <i>Environmental and Experimental Botany</i> , 2020, 180, 104266.	2.0	11
2446	Chloride allocation in the euhalophyte <i>Suaeda salsa</i> from different habitats in field and controlled saline conditions. <i>Aquatic Botany</i> , 2020, 167, 103292.	0.8	8
2447	Early effects of salt stress on the physiological and oxidative status of the halophyte <i>Lobularia maritima</i> . <i>Functional Plant Biology</i> , 2020, 47, 912.	1.1	31
2448	Insights into the Physiological and Biochemical Impacts of Salt Stress on Plant Growth and Development. <i>Agronomy</i> , 2020, 10, 938.	1.3	179
2449	A SNP-Based Genome-Wide Association Study to Mine Genetic Loci Associated to Salinity Tolerance in Mungbean (<i>Vigna radiata</i> L.). <i>Genes</i> , 2020, 11, 759.	1.0	18
2450	Characterization on TaMPK14, an MAPK family gene of wheat, in modulating N-starvation response through regulating N uptake and ROS homeostasis. <i>Plant Cell Reports</i> , 2020, 39, 1285-1299.	2.8	13
2451	Identification of candidate tolerance genes to low-temperature during maize germination by GWAS and RNA-seq approaches. <i>BMC Plant Biology</i> , 2020, 20, 333.	1.6	53
2452	Exogenous Glycinebetaine Application Contributes to Abiotic Stress Tolerance in Maize. <i>Journal of Plant Biology</i> , 2022, 65, 517-529.	0.9	9

#	ARTICLE	IF	CITATIONS
2453	Interaction of Auxin and Nitric Oxide Improved Photosynthetic Efficiency and Antioxidant System of Brassica juncea Plants Under Salt Stress. Journal of Plant Growth Regulation, 2020, , 1.	2.8	22
2454	Effects of salinity on native shrubs and one near extinct tree species of Kuwait: potentials for restoring degraded desert ecosystem. Plant Biosystems, 2020, , 1-10.	0.8	0
2455	Salinity, not genetic incompatibilities, limits the establishment of the invasive hybrid cattail <i>Typha glauca</i> in coastal wetlands. Ecology and Evolution, 2020, 10, 12091-12103.	0.8	12
2456	Responses to Salt Stress in Portulaca: Insight into Its Tolerance Mechanisms. Plants, 2020, 9, 1660.	1.6	16
2457	Transcriptome analysis reveals mechanism of early ripening in Kyoho grape with hydrogen peroxide treatment. BMC Genomics, 2020, 21, 784.	1.2	29
2458	Adaptation of food legumes to problem soils using integrated approaches. Euphytica, 2020, 216, 1.	0.6	1
2459	MAPK Enzymes: a ROS Activated Signaling Sensors Involved in Modulating Heat Stress Response, Tolerance and Grain Stability of Wheat under Heat Stress. 3 Biotech, 2020, 10, 380.	1.1	20
2460	Autochthonous halotolerant plant growth-promoting rhizobacteria promote bacoside A yield of Bacopa monnieri (L.) Nash and phytoextraction of salt-affected soil. Pedosphere, 2020, 30, 671-683.	2.1	20
2461	Constitutive Contribution by the Rice OsHKT1;4 Na ⁺ Transporter to Xylem Sap Desalinization and Low Na ⁺ Accumulation in Young Leaves Under Low as High External Na ⁺ Conditions. Frontiers in Plant Science, 2020, 11, 1130.	1.7	22
2462	RNAseq Analysis Reveals Altered Expression of Key Ion Transporters Causing Differential Uptake of Selective Ions in Canola (Brassica napus L.) Grown under NaCl Stress. Plants, 2020, 9, 891.	1.6	18
2463	Agricultural Homoeopathy: A New Insight into Organics. , 0, , .		2
2464	The Function of MAPK Cascades in Response to Various Stresses in Horticultural Plants. Frontiers in Plant Science, 2020, 11, 952.	1.7	61
2465	Can Alternative Metabolic Pathways and Shunts Overcome Salinity Induced Inhibition of Central Carbon Metabolism in Crops?. Frontiers in Plant Science, 2020, 11, 1072.	1.7	34
2466	Genomics-assisted prediction of salt and alkali tolerances and functional marker development in apple rootstocks. BMC Genomics, 2020, 21, 550.	1.2	17
2467	Ammonia Recovery from Hydrolyzed Human Urine by Forward Osmosis with Acidified Draw Solution. Environmental Science & Technology, 2020, 54, 11556-11565.	4.6	30
2468	Silicon Coating on Maize Seed Mitigates Saline Stress in Yermosols of Southern Punjab. Silicon, 2021, 13, 4293-4303.	1.8	3
2469	Plant-Growth-Promoting Bacteria Mitigating Soil Salinity Stress in Plants. Applied Sciences (Switzerland), 2020, 10, 7326.	1.3	70
2470	Pools and fluxes of osmolytes in moist soil and dry soil that has been re-wet. Soil Biology and Biochemistry, 2020, 150, 108012.	4.2	21

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2471	The plant dehydrin Lti30 stabilizes lipid lamellar structures in varying hydration conditions. <i>Journal of Lipid Research</i> , 2020, 61, 1014-1024.	2.0	12
2472	Exogenous trehalose ameliorates methyl viologen induced oxidative stress through regulation of stomatal pore opening and glutathione metabolism in tomato seedlings. <i>Vegetos</i> , 2020, 33, 665-681.	0.8	3
2473	Proteome dynamics and transcriptome profiling in sorghum [<i>Sorghum bicolor</i> (L.) Moench] under salt stress. <i>3 Biotech</i> , 2020, 10, 412.	1.1	23
2474	Comparative transcriptome profiling of rice colonized with beneficial endophyte, <i>Piriformospora indica</i> , under high salinity environment. <i>Molecular Biology Reports</i> , 2020, 47, 7655-7673.	1.0	17
2475	Growth and biochemical changes of sorghum genotypes in response to carbon dioxide and salinity interactions. <i>Cereal Research Communications</i> , 2020, 48, 325-332.	0.8	7
2476	The Critical Role of Zinc in Plants Facing the Drought Stress. <i>Agriculture (Switzerland)</i> , 2020, 10, 396.	1.4	185
2477	Î±-Tocopherol Foliar Spray and Translocation Mediates Growth, Photosynthetic Pigments, Nutrient Uptake, and Oxidative Defense in Maize (<i>Zea mays</i> L.) under Drought Stress. <i>Agronomy</i> , 2020, 10, 1235.	1.3	25
2478	Coastal Lichens. , 2020, , 1-22.		0
2479	Enhancing Sustainability by Improving Plant Salt Tolerance through Macro- and Micro-Algal Biostimulants. <i>Biology</i> , 2020, 9, 253.	1.3	66
2480	Morphological and physiological variations of <i>Cyclocarya paliurus</i> under different soil water capacities. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1663-1674.	1.4	4
2481	Mechanistic Insights of the Interaction of Plant Growth-Promoting Rhizobacteria (PGPR) With Plant Roots Toward Enhancing Plant Productivity by Alleviating Salinity Stress. <i>Frontiers in Microbiology</i> , 2020, 11, 1952.	1.5	127
2482	Mechanisms and Signaling Pathways of Salt Tolerance in Crops: Understanding from the Transgenic Plants. <i>Tropical Plant Biology</i> , 2020, 13, 297-320.	1.0	10
2483	Polyamine biosynthetic pathways and their relation with the cold tolerance of maize (<i>Zea mays</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.25	33
2484	Linking diverse salinity responses of 14 almond rootstocks with physiological, biochemical, and genetic determinants. <i>Scientific Reports</i> , 2020, 10, 21087.	1.6	11
2485	Identification of microRNAs and Their Expression in Leaf Tissues of Guava (<i>Psidium guajava</i> L.) under Salinity Stress. <i>Agronomy</i> , 2020, 10, 1920.	1.3	20
2486	Identification, Characterization, and Stress Responsiveness of Glucose-6-phosphate Dehydrogenase Genes in Highland Barley. <i>Plants</i> , 2020, 9, 1800.	1.6	7
2487	Sugarcane Plant Growth and Physiological Responses to Soil Salinity during Tillering and Stalk Elongation. <i>Agriculture (Switzerland)</i> , 2020, 10, 608.	1.4	13
2488	Deciphering rice metabolic flux reprogramming under salinity stress via in silico metabolic modeling. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3555-3566.	1.9	16

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2489	Physiological Response of <i>Populus balsamifera</i> and <i>Salix eriocephala</i> to Salinity and Hydraulic Fracturing Wastewater: Potential for Phytoremediation Applications. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7641.	1.2	5
2490	Enhancing Conservation of a Globally Imperiled Rockland Herb (<i>Linum arenicola</i>) through Assessments of Seed Functional Traits and Multi-Dimensional Germination Niche Breadths. <i>Plants</i> , 2020, 9, 1493.	1.6	5
2491	Transcriptomic data-driven discovery of global regulatory features of rice seeds developing under heat stress. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2556-2567.	1.9	7
2492	Osmo-Priming with Seaweed Extracts Enhances Yield of Salt-Stressed Tomato Plants. <i>Agronomy</i> , 2020, 10, 1559.	1.3	27
2493	Physiological, Biochemical, and Metabolic Responses to Short and Prolonged Saline Stress in Two Cultivated Cardoon Genotypes. <i>Plants</i> , 2020, 9, 554.	1.6	23
2494	Salt Tolerance and Na Allocation in <i>Sorghum bicolor</i> under Variable Soil and Water Salinity. <i>Plants</i> , 2020, 9, 561.	1.6	28
2495	Salt Stress Mitigating Potential of Halotolerant/Halophilic Plant Growth Promoting. <i>Geomicrobiology Journal</i> , 2020, 37, 663-669.	1.0	19
2496	Genetic variation in root development responses to salt stresses of quinoa. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 538-547.	1.7	11
2497	Response to salt stress imposed on cultivars of three turfgrass species: <i>Poa pratensis</i> , <i>Lolium perenne</i> , and <i>Puccinellia distans</i> . <i>Crop Science</i> , 2020, 60, 1648-1659.	0.8	5
2499	Overexpression of LeNHX4 improved yield, fruit quality and salt tolerance in tomato plants (<i>Solanum</i>) Tj ETQq1 1 0,784314 r _{BT} /Overle 1.0 18	1.0	18
2500	Effects, tolerance mechanisms and management of salt stress in lucerne (<i>Medicago sativa</i>). <i>Crop and Pasture Science</i> , 2020, 71, 411.	0.7	35
2501	Mercury Phytoremediation with <i>Lolium perenne</i> -Mycorrhizae in Contaminated Soils. <i>Sustainability</i> , 2020, 12, 3795.	1.6	17
2502	Mechanisms of Plant Responses and Adaptation to Soil Salinity. <i>Innovation(China)</i> , 2020, 1, 100017.	5.2	387
2503	Regulation of genes and transcriptional factors involved in plant responses to abiotic stress. , 2020, , 825-833.		1
2504	Cellular mechanism of salinity tolerance in wheat. , 2020, , 55-76.		2
2505	Role of nitric oxide-dependent posttranslational modifications of proteins under abiotic stress. , 2020, , 793-809.		2
2506	Role of osmoprotectants in salinity tolerance in wheat. , 2020, , 93-106.		7
2507	Growth and biomass yield of hydroponically grown thyme (<i>Thymus vulgaris</i> L.) in response to brackish water-induced stress *. <i>Irrigation and Drainage</i> , 2020, 69, 903-913.	0.8	3

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2508	Effect of foliar application of amino acids on the salinity tolerance of tomato plants cultivated under hydroponic system. <i>Scientia Horticulturae</i> , 2020, 272, 109509.	1.7	42
2509	The trihelix transcription factor OsGT ³ -2 is involved adaption to salt stress in rice. <i>Plant Molecular Biology</i> , 2020, 103, 545-560.	2.0	53
2510	Saline and Arid Soils: Impact on Bacteria, Plants, and Their Interaction. <i>Biology</i> , 2020, 9, 116.	1.3	40
2511	Design of potent ABA receptor antagonists based on a conformational restriction approach. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4988-4996.	1.5	6
2512	PWR/HDA9/ABI4 Complex Epigenetically Regulates ABA Dependent Drought Stress Tolerance in Arabidopsis. <i>Frontiers in Plant Science</i> , 2020, 11, 623.	1.7	43
2513	Determining Ion Toxicity in Cucumber under Salinity Stress. <i>Agronomy</i> , 2020, 10, 677.	1.3	21
2514	Role of <i>Epichloa</i> Endophytes in Improving Host Grass Resistance Ability and Soil Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6944-6955.	2.4	30
2515	Physiological and morphological characterisation of <i>Limonium</i> species in their natural habitats: Insights into their abiotic stress responses. <i>Plant and Soil</i> , 2020, 449, 267-284.	1.8	16
2516	Traditional rice landraces in Lei-Qiong area of South China tolerate salt stress with strong antioxidant activity. <i>Plant Signaling and Behavior</i> , 2020, 15, 1740466.	1.2	4
2517	Over-Expression of the Heat-Responsive Wheat Gene TaHSP23.9 in Transgenic Arabidopsis Conferred Tolerance to Heat and Salt Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 243.	1.7	26
2518	Loss of salt tolerance during tomato domestication conferred by variation in a Na ⁺ /K ⁺ transporter. <i>EMBO Journal</i> , 2020, 39, e103256.	3.5	112
2519	Daily salinity fluctuation alleviates salt stress on seedlings of the mangrove <i>Bruguiera gymnorhiza</i> . <i>Hydrological Processes</i> , 2020, 34, 2466.	1.1	2
2520	Endophytic microbial influence on plant stress responses. , 2020, , 161-193.		5
2521	<i>Populus euphratica</i> remorin 6.5 activates plasma membrane H ⁺ -ATPases to mediate salt tolerance. <i>Tree Physiology</i> , 2020, 40, 731-745.	1.4	15
2522	Salinity tolerance in barley during germination homologs and potential genes. <i>Journal of Zhejiang University: Science B</i> , 2020, 21, 93-121.	1.3	30
2523	Exogenous Brassinolide Alleviates Salt Stress in <i>Malus hupehensis</i> Rehd. by Regulating the Transcription of NHX-Type Na ⁺ /H ⁺ Antiporters. <i>Frontiers in Plant Science</i> , 2020, 11, 38.	1.7	69
2524	Effect of Exopolysaccharide-Producing Bacteria and Melatonin on Faba Bean Production in Saline and Non-Saline Soil. <i>Agronomy</i> , 2020, 10, 316.	1.3	35
2525	Down Regulation and Loss of Auxin Response Factor 4 Function Using CRISPR/Cas9 Alters Plant Growth, Stomatal Function and Improves Tomato Tolerance to Salinity and Osmotic Stress. <i>Genes</i> , 2020, 11, 272.	1.0	114

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2526	The Effect of Arbuscular Mycorrhizal Fungi Inoculation in Mitigating Salt Stress of Pea (<i>Pisum</i>) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 7	0.6	24
2527	Profiling of the Salt Stress Responsive MicroRNA Landscape of C4 Genetic Model Species <i>Setaria viridis</i> (L.) Beauv. <i>Agronomy</i> , 2020, 10, 837.	1.3	11
2528	Characterizing the metabolites related to rice salt tolerance with introgression lines exhibiting contrasting performances in response to saline conditions. <i>Plant Growth Regulation</i> , 2020, 92, 157-167.	1.8	24
2529	A novel biosensor to monitor proline in pea root exudates and nodules under osmotic stress and recovery. <i>Plant and Soil</i> , 2020, 452, 413-422.	1.8	8
2530	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
2531	Seed germination, seedling growth and seedling development associated physiochemical changes in <i>Salicornia brachiata</i> (Roxb.) under salinity and osmotic stress. <i>Aquatic Botany</i> , 2020, 166, 103272.	0.8	20
2532	Transcriptomic Profiling of Pomegranate Provides Insights into Salt Tolerance. <i>Agronomy</i> , 2020, 10, 44.	1.3	9
2533	Poplar PdPTP1 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
2534	Physiological and Anatomical Mechanisms in Wheat to Cope with Salt Stress Induced by Seawater. <i>Plants</i> , 2020, 9, 237.	1.6	47
2535	Aliphatic suberin confers salt tolerance to <i>Arabidopsis</i> by limiting Na ⁺ influx, K ⁺ efflux and water backflow. <i>Plant and Soil</i> , 2020, 448, 603-620.	1.8	25
2536	Inorganic fertilizer and salt tolerance in <i>Sorghum bicolor</i> (L.) moench ssp. <i>bicolor</i> . <i>Journal of Plant Nutrition</i> , 2020, 43, 1390-1399.	0.9	4
2537	Plant growth promoting <i>Streptomyces</i> strains are selectively interacting with the wheat cultivars especially in saline conditions. <i>Heliyon</i> , 2020, 6, e03445.	1.4	26
2538	Effect of Soil Salinity on Growth, Proline, and Some Nutrient Accumulation in Two Genotypes Seedlings of <i>Ziziphus Spina-christi</i> (L.) Willd. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 804-815.	0.6	7
2539	Role of halotolerant and chitinolytic bacteria in phytoremediation of saline soil using spinach plant. <i>International Journal of Phytoremediation</i> , 2020, 22, 653-661.	1.7	11
2540	Environmental constraints and stress physiology. , 2020, , 279-356.		1
2541	Differential proteomics: Effect of growth regulators on salt stress responses in safflower seedlings. <i>Pesticide Biochemistry and Physiology</i> , 2020, 164, 149-155.	1.6	4
2542	Differences in growth and physiological and metabolic responses among Canadian native and hybrid willows (<i>Salix</i> spp.) under salinity stress. <i>Tree Physiology</i> , 2020, 40, 652-666.	1.4	14
2543	Silicon Confers Soybean Resistance to Salinity Stress Through Regulation of Reactive Oxygen and Reactive Nitrogen Species. <i>Frontiers in Plant Science</i> , 2019, 10, 1725.	1.7	55

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2544	A RAF-SnRK2 kinase cascade mediates early osmotic stress signaling in higher plants. <i>Nature Communications</i> , 2020, 11, 613.	5.8	147
2545	Two distinct time dependent strategic mechanisms used by <i>Chlorella vulgaris</i> in response to gamma radiation. <i>Journal of Applied Phycology</i> , 2020, 32, 1677-1695.	1.5	9
2546	Effect of calcium applications on ion accumulation in different organs of pepper plant under salt stress. <i>BIO Web of Conferences</i> , 2020, 17, 00231.	0.1	2
2547	Melatonin application enhances biochar efficiency for drought tolerance in maize varieties: Modifications in physio-biochemical machinery. <i>Agronomy Journal</i> , 2020, 112, 2826-2847.	0.9	64
2548	Effect of light, temperature, and salinity and drought stresses on seed germination of <i>Hypericum ericoides</i> , a wild plant with ornamental potential. <i>Scientia Horticulturae</i> , 2020, 270, 109433.	1.7	22
2549	Overexpression of a proton pumping gene OVP1 enhances salt stress tolerance, root growth and biomass yield by regulating ion balance in rice (<i>Oryza sativa</i> L.). <i>Environmental and Experimental Botany</i> , 2020, 175, 104033.	2.0	8
2550	Manganese Repairs the Oxygen-Evolving Complex (OEC) in Maize (<i>Zea mays</i> L.) Damage During Seawater Vulnerability. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1387-1396.	1.7	15
2552	Plant science's next top models. <i>Annals of Botany</i> , 2020, 126, 1-23.	1.4	34
2553	Plant growth-promoting endophytic bacteria augment growth and salinity tolerance in rice plants. <i>Plant Biology</i> , 2020, 22, 850-862.	1.8	74
2554	Salinity acclimation ameliorates salt stress in tomato (<i>Solanum lycopersicum</i> L.) seedlings by triggering a cascade of physiological processes in the leaves. <i>Scientia Horticulturae</i> , 2020, 270, 109434.	1.7	16
2555	Resemblance and Difference of Seedling Metabolic and Transporter Gene Expression in High Tolerance Wheat and Barley Cultivars in Response to Salinity Stress. <i>Plants</i> , 2020, 9, 519.	1.6	18
2556	Molecular mechanism of drought tolerance in wheat. , 2020, , 129-154.		2
2557	Salt-regulating genes in wheat. , 2020, , 77-91.		2
2558	Wide vessels sustain marginal transpiration flux and do not optimize inefficient gas exchange activity under impaired hydraulic control and salinity. <i>Physiologia Plantarum</i> , 2020, 170, 60-74.	2.6	4
2559	Nitrogen Enhances Salt Tolerance by Modulating the Antioxidant Defense System and Osmoregulation Substance Content in <i>Gossypium hirsutum</i> . <i>Plants</i> , 2020, 9, 450.	1.6	43
2560	<i>Phragmites karka</i> plants adopt different strategies to regulate photosynthesis and ion flux in saline and water deficit conditions. <i>Plant Biosystems</i> , 2021, 155, 524-534.	0.8	15
2561	Impact of exogenously applied trehalose on leaf biochemistry, achene yield and oil composition of sunflower under drought stress. <i>Physiologia Plantarum</i> , 2021, 172, 317-333.	2.6	103
2562	Alleviation of salinity stress in plants by endophytic plant-fungal symbiosis: Current knowledge, perspectives and future directions. <i>Plant and Soil</i> , 2021, 461, 219-244.	1.8	109

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2563	Study on Physiological Mechanism of Using Cottonseed Meal to Improve Salt-tolerant Alkali Tolerance of Cotton. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 126-136.	2.8	10
2564	GmNAC06, a NAC domain transcription factor enhances salt stress tolerance in soybean. <i>Plant Molecular Biology</i> , 2021, 105, 333-345.	2.0	106
2565	The bZIP transcription factor TabZIP15 improves salt stress tolerance in wheat. <i>Plant Biotechnology Journal</i> , 2021, 19, 209-211.	4.1	54
2566	Ameliorative Impact of an Extract of the Halophyte <i>Arthrocnemum macrostachyum</i> on Growth and Biochemical Parameters of Soybean Under Salinity Stress. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1245-1256.	2.8	56
2567	Salt-tolerant broomcorn millet (<i>Panicum miliaceum</i> L.) resists salt stress via modulation of cell wall biosynthesis and Na ⁺ balance. <i>Land Degradation and Development</i> , 2021, 32, 518-532.	1.8	16
2568	Overexpression of a RNA silencing suppressor, B2 protein encoded by Flock House virus, in tobacco plants results in tolerance to salt stress. <i>Phytoparasitica</i> , 2021, 49, 299-316.	0.6	11
2569	Direct brackish water desalination using <i>Chlorella vulgaris</i> microalgae. <i>Chemical Engineering Research and Design</i> , 2021, 148, 237-248.	2.7	26
2570	Variability of durum wheat genotypes in terms of physio-biochemical traits against salinity stress. <i>Cereal Research Communications</i> , 2021, 49, 45-54.	0.8	9
2571	Unraveling salt responsive metabolites and metabolic pathways using non-targeted metabolomics approach and elucidation of salt tolerance mechanisms in the xero-halophyte <i>Haloxylon salicornicum</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 158, 284-296.	2.8	36
2572	Foliar enrichment of potassium and boron overcomes salinity barriers to improve growth and yield potential of cotton (<i>Gossypium hirsutum</i> L.). <i>Journal of Plant Nutrition</i> , 2021, 44, 438-454.	0.9	12
2573	Light contributes to salt resistance through GAI protein regulation in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 159, 1-11.	2.8	2
2574	Effects of selenium supplementation on olive under salt stress conditions. <i>Scientia Horticulturae</i> , 2021, 278, 109866.	1.7	17
2575	The use of treated brewery effluent for salt tolerant crop irrigation. <i>Agricultural Water Management</i> , 2021, 245, 106590.	2.4	7
2576	Aquaporins and cation transporters are differentially regulated by two arbuscular mycorrhizal fungi strains in lettuce cultivars growing under salinity conditions. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 396-409.	2.8	35
2577	Exogenous cycloctral treatment primes tomato plants against drought by inducing tolerance traits, independent of abscisic acid. <i>Plant Biology</i> , 2021, 23, 170-180.	1.8	14
2578	Exogenous methyl jasmonate promotes salt stress-induced growth inhibition and prioritizes defense response of <i>Nitraria tangutorum</i> Bobr.. <i>Physiologia Plantarum</i> , 2021, 172, 162-175.	2.6	24
2579	Physiological responses of date palm (<i>Phoenix dactylifera</i>) seedlings to seawater and flooding. <i>New Phytologist</i> , 2021, 229, 3318-3329.	3.5	11
2580	Influence of salt stress on C ₄ photosynthesis in <i>Miscanthus sinensis</i> Anders.. <i>Plant Biology</i> , 2021, 23, 44-56.	1.8	15

#	ARTICLE	IF	CITATIONS
2581	Identification of salt tolerance QTL in a wheat RIL mapping population using destructive and non-destructive phenotyping. <i>Functional Plant Biology</i> , 2021, 48, 131.	1.1	22
2582	Amino acids, betaines and related ammonium compounds in Neapolitan limmo, a Mediterranean sweet lime, also known as lemoncetta Locrese. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 981-988.	1.7	2
2583	Physiological and Molecular Responses to Salinity Due to Excessive Na ⁺ in Plants. , 2021, , 291-303.		1
2584	Identification of Salt Tolerant Genotypes Among Egyptian and Nigerian Peanut (<i>Arachis hypogaea</i> L.) Using Biochemical and Molecular Tools. <i>Springer Water</i> , 2021, , 437-469.	0.2	4
2585	The Response of Maize Physiology under Salinity Stress and Its Coping Strategies. , 0, , .		15
2586	Serine/threonine Kinases Play Important Roles in Regulating Polyunsaturated Fatty Acid Biosynthesis in <i>Synechocystis</i> sp. PCC6803. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 618969.	2.0	3
2587	<i><i>In vitro</i</i> Germination and Early Vegetative Growth of Five Tomato (<i>Solanum lycopersicum</i> L.) Varieties under Salt Stress Conditions. <i>American Journal of Plant Sciences</i> , 2021, 12, 796-817.	0.3	8
2588	Host-targeted salt stress affects fitness and vector performance of bird cherry-oat aphid (<i>Rhopalosiphum padi</i> L.) on wheat. <i>Arthropod-Plant Interactions</i> , 2021, 15, 47-58.	0.5	3
2589	Pigeonpea. , 2021, , 217-240.		1
2590	Evaluation of Proline-Ascorbate Mixture (PAM) in Alleviation of NaCl Induced Stress in <i>Vigna radiata</i> (L.) Wilczek. <i>Russian Agricultural Sciences</i> , 2021, 47, 21-31.	0.1	0
2591	Soil microbiome to maximize the benefits to crop plants"a special reference to rhizosphere microbiome. , 2021, , 125-140.		0
2592	Role of Physical Agents in Inducing Genotoxicity and Oxidative Stress in Plants. , 2021, , 65-102.		0
2593	Coastal Lichens. , 2021, , 1013-1034.		1
2594	Growth response of blue panic grass (<i>Panicum antidotale</i>) to saline water irrigation and compost applications. <i>Water Science</i> , 2021, 35, 31-38.	0.5	4
2595	Ureides are accumulated similarly in response to UV-C irradiation and wounding in <i>Arabidopsis</i> leaves but are remobilized differently during recovery. <i>Journal of Experimental Botany</i> , 2022, 73, 1016-1032.	2.4	9
2596	MicroRNAs and abiotic stress tolerance in legumes. , 2021, , 303-336.		0
2597	Differential Responses of NHX1 and SOS1 Gene Expressions to Salinity in two <i>Miscanthus sinensis</i> Anderss. Accessions with Different Salt Tolerance. <i>Phyton</i> , 2021, 90, 827-836.	0.4	2
2598	Evolution of Plant Na ⁺ -P-Type ATPases: From Saline Environments to Land Colonization. <i>Plants</i> , 2021, 10, 221.	1.6	6

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2599	De novo transcriptome in roots of switchgrass (<i>Panicum virgatum</i> L.) reveals gene expression dynamic and act network under alkaline salt stress. <i>BMC Genomics</i> , 2021, 22, 82.	1.2	25
2600	Microbiomes of Hypersaline Soils and Their Role in Mitigation of Salt Stress. <i>Sustainable Development and Biodiversity</i> , 2021, , 243-266.	1.4	0
2601	Leaf photosynthetic and biomass parameters related to the tolerance of <i>Vicia faba</i> L. cultivars to salinity stress. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021, 6, 1.	0.6	7
2602	Understanding the Barriers of Underutilization and Applicability of Biotechnological Tools for Augmenting Spice Crop Production. , 2021, , 237-266.		1
2603	The effects of salinity on changes in characteristics of soils collected in a saline region of the Mekong Delta, Vietnam. <i>Open Chemistry</i> , 2021, 19, 471-480.	1.0	14
2604	Changes in plant growth, leaf relative water content and physiological traits in response to salt stress in peanut (<i>Arachis hypogaea</i> L.) varieties. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12049.	0.5	8
2605	The <i>HdZIP</i> transcription factor <i>MdHB7</i> -like confers tolerance to salinity in transgenic apple (<i>Malus domestica</i>). <i>Physiologia Plantarum</i> , 2021, 172, 1452-1464.	2.6	26
2606	Biodiversity and Possible Utilization of Halophytes in Qatar. , 2021, , 2759-2781.		0
2607	Halophytes and the Future of Agriculture. , 2021, , 2225-2239.		1
2608	Effects of Irrigation of Crops with NaCl and Heavy Metals Contaminated Water: Case Study, Germination and Survival of Maize and Beans Seeds. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2609	Ectopic expression of poplar gene <i>PsnERF138</i> in tobacco confers salt stress tolerance and growth advantages. <i>Forestry Research</i> , 2021, 1, 1-9.	0.5	1
2610	Critical knowledge gaps and research priorities in global soil salinity. <i>Advances in Agronomy</i> , 2021, , 1-191.	2.4	151
2611	The Omics Strategies for Abiotic Stress Responses and Microbe-Mediated Mitigation in Plants. <i>Sustainable Development and Biodiversity</i> , 2021, , 315-377.	1.4	3
2612	<i>MdbHLH106</i> -like transcription factor enhances apple salt tolerance by upregulating <i>MdNHX1</i> expression. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 333-345.	1.2	5
2613	An <i>ICln</i> homolog contributes to osmotic and low nitrate tolerance by enhancing nitrate accumulation in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2021, 44, 1580-1595.	2.8	5
2614	Plant Mitogen-Activated Protein Kinase Cascades in Environmental Stresses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1543.	1.8	61
2615	Beat the stress: breeding for climate resilience in maize for the tropical rainfed environments. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1729-1752.	1.8	92
2616	Response of Olive Shoots to Salinity Stress Suggests the Involvement of Sulfur Metabolism. <i>Plants</i> , 2021, 10, 350.	1.6	16

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2617	StCaM2, a calcium binding protein, alleviates negative effects of salinity and drought stress in tobacco. <i>Plant Molecular Biology</i> , 2021, 106, 85-108.	2.0	24
2618	Physiological response of diverse halophytes to high salinity through ionic accumulation and ROS scavenging. <i>International Journal of Phytoremediation</i> , 2021, 23, 1041-1051.	1.7	23
2619	Application of Genomics to Understand Salt Tolerance in Lentil. <i>Genes</i> , 2021, 12, 332.	1.0	12
2620	Yield and quality of <i>Amaranthus hypochondriacus</i> grain amaranth under drought and salinity at various phenological stages in southern Italy. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 5022-5033.	1.7	21
2621	The effect of salt stress on the production of apocarotenoids and the expression of genes related to their biosynthesis in saffron. <i>Molecular Biology Reports</i> , 2021, 48, 1707-1715.	1.0	1
2622	Generation of new salt-tolerant wheat lines and transcriptomic exploration of the responsive genes to ethylene and salt stress. <i>Plant Growth Regulation</i> , 2021, 94, 33-48.	1.8	12
2623	Maize transcription factor ZmEREB20 enhanced salt tolerance in transgenic Arabidopsis. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 257-267.	2.8	28
2624	Growth, yield and fruit quality of Mexican tomato landraces in response to salt stress. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12005.	0.5	7
2625	Seedling Priming with Sodium Nitroprusside Rescues <i>Vigna radiata</i> from Salinity Stress-Induced Oxidative Damages. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2454-2464.	2.8	16
2626	Comparative anatomy and salt management of <i>Sonneratia caseolaris</i> (L.) Engl. (Lythraceae) grown in saltwater and freshwater. <i>PeerJ</i> , 2021, 9, e10962.	0.9	10
2627	Germination and Some Morphophysiological Traits of <i>Convolvulus arvensis</i> in Response to Salinity Stress. <i>Iranian Journal of Seed Research</i> , 2021, 7, 89-106.	0.0	0
2628	Characterization of macrophytes for Na ⁺ removal in synthetic Na-salt solution batch under greenhouse conditions. <i>International Journal of Phytoremediation</i> , 2021, 23, 1270-1278.	1.7	5
2629	Response to Salinity in Legume Species: An Insight on the Effects of Salt Stress during Seed Germination and Seedling Growth. <i>Chemistry and Biodiversity</i> , 2021, 18, e2000917.	1.0	11
2630	Salinity Tolerance in Canola: Insights from Proteomic Studies. , 0, , .		3
2631	Recent progress in understanding salinity tolerance in plants: Story of Na ⁺ /K ⁺ balance and beyond. <i>Plant Physiology and Biochemistry</i> , 2021, 160, 239-256.	2.8	70
2632	Evaluation of the effects of <i>Chlorella vulgaris</i> , <i>Nannochloropsis salina</i> , and <i>Enterobacter cloacae</i> on growth, yield and active compound compositions of <i>Moringa oleifera</i> under salinity stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1687-1696.	1.8	7
2633	Tapping the potential of <i>Solanum lycopersicum</i> L. pertaining to salinity tolerance: perspectives and challenges. <i>Genetic Resources and Crop Evolution</i> , 2021, 68, 2207-2233.	0.8	13
2634	Elucidating compartment of the glutamate and ornithine pathway on proline accumulation in rice under different nitrogenous nutrition. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 2993-3000.	1.8	6

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2635	Responses and Tolerance Mechanisms of Mangrove Trees to the Ambient Salinity along the Egyptian Red Sea Coast. <i>Limnological Review</i> , 2021, 21, 3-13.	0.5	4
2636	Enhancement to Salt Stress Tolerance in Strawberry Plants by Iodine Products Application. <i>Agronomy</i> , 2021, 11, 602.	1.3	22
2638	<i>Penicillium chrysogenum</i> polypeptide extract protects tobacco plants from tobacco mosaic virus infection through modulation of ABA biosynthesis and callose priming. <i>Journal of Experimental Botany</i> , 2021, 72, 3526-3539.	2.4	12
2639	Identification of salt tolerant sugarcane cultivars through phenotypic, physiological and biochemical studies under abiotic stress. <i>Plant Physiology Reports</i> , 2021, 26, 256-283.	0.7	4
2640	Effect of salt stress on seed germination, morphology, biochemical parameters, genomic template stability, and bioactive constituents of <i>Andrographis paniculata</i> Nees. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	11
2642	Effect of NaCl road salt on the ionic composition of soils and <i>Aesculus hippocastanum</i> L. foliage and leaf damage intensity. <i>Scientific Reports</i> , 2021, 11, 5309.	1.6	13
2643	Tobacco transcription factor bHLH123 improves salt tolerance by activating NADPH oxidase expression. <i>Plant Physiology</i> , 2021, 186, 1706-1720.	2.3	43
2644	Plant Acyl-CoA-Binding Proteins—Their Lipid and Protein Interactors in Abiotic and Biotic Stresses. <i>Cells</i> , 2021, 10, 1064.	1.8	11
2645	Bacilli as sources of agrobiotechnology: recent advances and future directions. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 246-271.	2.1	27
2646	Salinity Effects on Gene Expression, Morphological, and Physio-Biochemical Responses of <i>Stevia rebaudiana</i> Bertoni In Vitro. <i>Plants</i> , 2021, 10, 820.	1.6	18
2647	Production of Betacyanins in Transgenic <i>Nicotiana tabacum</i> Increases Tolerance to Salinity. <i>Frontiers in Plant Science</i> , 2021, 12, 653147.	1.7	9
2648	GhNHX3D, a Vacuolar-Localized Na ⁺ /H ⁺ Antiporter, Positively Regulates Salt Response in Upland Cotton. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4047.	1.8	10
2649	The effect of silicate fertilizer on the root development of rice and its tolerance to salinity stress. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 724, 012004.	0.2	1
2650	Phytostimulatory Influence of <i>Comamonas testosteroni</i> and Silver Nanoparticles on <i>Linum usitatissimum</i> L. under Salinity Stress. <i>Plants</i> , 2021, 10, 790.	1.6	23
2651	Sodium (Na) Stimulates Barley Growth in Potassium (K)-Deficient Soils by Improved K Uptake at Low Na Supply or by Substitution of K at Moderate Na Supply. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 1520-1530.	1.7	1
2652	Uncovering salt tolerance mechanisms in pepper plants: a physiological and transcriptomic approach. <i>BMC Plant Biology</i> , 2021, 21, 169.	1.6	11
2653	Mitogen-Activated Protein Kinase CaDIMK1 Functions as a Positive Regulator of Drought Stress Response and Abscisic Acid Signaling in <i>Capsicum annum</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 646707.	1.7	12
2654	Functional annotations of ESTs of <i>Stevia rebaudiana</i> involved in abiotic stress signaling through computational approach. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2602-2612.	1.8	1

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2655	Sensitivity of quinoa cv. "Titicaca"™ to low salinity conditions. <i>Folia Horticulturae</i> , 2021, 33, 135-145.	0.6	5
2656	Arabidopsis phosphatidylinositol 4-phosphate 5-kinase genes <i>PIP5K7</i> , <i>PIP5K8</i> , and <i>PIP5K9</i> are redundantly involved in root growth adaptation to osmotic stress. <i>Plant Journal</i> , 2021, 106, 913-927.	2.8	12
2657	Agronomical, physiological and molecular evaluation reveals superior salt-tolerance in bread wheat through salt-induced priming approach. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12310.	0.5	17
2658	Augmenting salt tolerance in rice by regulating uptake and tissue specific accumulation of Na ⁺ through Ca ²⁺ -induced alteration of biochemical events. <i>Plant Biology</i> , 2021, 23, 122-130.	1.8	9
2659	Growth and Biochemical Responses of Potato Cultivars under In Vitro Lithium Chloride and Mannitol Simulated Salinity and Drought Stress. <i>Plants</i> , 2021, 10, 924.	1.6	17
2660	The Efficacy of Grafting on Alkali Stressed Watermelon Cultivars Under Hydroponic Conditions. <i>Gesunde Pflanzen</i> , 2021, 73, 345-357.	1.7	2
2661	Different tolerance to salinity of two populations of <i>Oenothera drummondii</i> with contrasted biogeographical origin. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 336-348.	2.8	2
2662	The response mechanism to salt stress in Arabidopsis transgenic lines over-expressing of GmG6PD. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 74-85.	2.8	18
2663	Effects of Salinity on the Macro- and Micronutrient Contents of a Halophytic Plant Species (<i>Portulaca oleracea</i> L.). <i>Land</i> , 2021, 10, 481.	1.2	14
2664	The Importance of Non-Diffusional Factors in Determining Photosynthesis of Two Contrasting Quinoa Ecotypes (<i>Chenopodium quinoa</i> Willd.) Subjected to Salinity Conditions. <i>Plants</i> , 2021, 10, 927.	1.6	9
2665	Plant Responses to Salt Stress. , 0, , .		10
2666	Mapping of potential environmental risks associated to formation water in the Oriente Basin, Ecuador. <i>Groundwater for Sustainable Development</i> , 2021, 13, 100566.	2.3	3
2667	Biochemical and Gene Expression Analyses in Different Poplar Clones: The Selection Tools for Afforestation of Halomorphic Environments. <i>Forests</i> , 2021, 12, 636.	0.9	3
2668	Seed priming as a cost effective technique for developing plants with cross tolerance to salinity stress. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 247-257.	2.8	104
2669	The novel galactosyl transferase-like (SbGalT) gene from <i>Salicornia brachiata</i> maintains photosynthesis and enhances abiotic stress tolerance in transgenic tobacco. <i>Gene</i> , 2021, 786, 145597.	1.0	11
2672	Effects of salinity stress on seedling biomass, physiochemical properties, and grain yield in different breeding wheat genotypes. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	13
2673	Morphological and Physiological Responses of Ornamental Grasses to Saline Water Irrigation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 678-686.	0.5	2
2674	A C-terminal fragment of Arabidopsis OXIDATIVE STRESS 2 can play a positive role in salt tolerance. <i>Biochemical and Biophysical Research Communications</i> , 2021, 556, 23-30.	1.0	3

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2675	Investigating the Drought and Salinity Effect on the Redox Components of <i>Sulla coronaria</i> (L.) Medik. Antioxidants, 2021, 10, 1048.	2.2	26
2676	Impact of Salinity on the Growth and Chemical Composition of Two Underutilized Wild Edible Greens: <i>Taraxacum officinale</i> and <i>Reichardia picroides</i> . Horticulturae, 2021, 7, 160.	1.2	13
2677	Spinach Growth Regulation Due to Interactive Salinity, Water, and Nitrogen Stresses. Journal of Plant Growth Regulation, 2022, 41, 1654-1671.	2.8	9
2679	The influence of N-acetylglucosamine: Inducing <i>Rhodosporidium paludigenum</i> to enhance the inhibition of <i>Penicillium expansum</i> on pears. Postharvest Biology and Technology, 2021, 176, 111486.	2.9	5
2680	The Effect of Water Supply on Sweet Cherry Phytochemicals in Bud, Leaf and Fruit. Plants, 2021, 10, 1131.	1.6	4
2681	An approach to detecting quantitative trait loci and candidate genes associated with salinity tolerance in faba bean (<i>Vicia faba</i>). Plant Breeding, 2021, 140, 643-653.	1.0	5
2682	Exogenous melatonin alleviates salt stress by improving leaf photosynthesis in rice seedlings. Plant Physiology and Biochemistry, 2021, 163, 367-375.	2.8	70
2683	The Impact of Salt Stress on Plant Growth, Mineral Composition, and Antioxidant Activity in <i>Tetragonia decumbens</i> Mill.: An Underutilized Edible Halophyte in South Africa. Horticulturae, 2021, 7, 140.	1.2	41
2684	Effects of K ⁺ and Ca ²⁺ supplement during fertigation on leaf gas exchange and salt tolerance of cotton at full and deficit irrigation regimes. Environmental and Experimental Botany, 2021, 186, 104435.	2.0	5
2685	The influence of transpiration on foliar accumulation of salt and nutrients under salinity in poplar (<i>Populus \times canescens</i>). PLoS ONE, 2021, 16, e0253228.	1.1	11
2686	Silicon biology in crops under abiotic stress: A paradigm shift and cross-talk between genomics and proteomics. Journal of Biotechnology, 2021, 333, 21-38.	1.9	12
2687	Effect of salinity on growth of Nile tilapia (<i>Oreochromis niloticus</i>) and spinach (<i>Spinacia</i>) Tj ETQq1 1 0.784314 rgBT /Overpo 6288-6298.	0.9	17
2688	Synergistic and antagonistic interactions of soil water potential and osmotic potential linked to nitrogen fertilization on spinach traits and water use efficiency. Journal of Plant Nutrition, 2022, 45, 389-412.	0.9	3
2689	Exogenous melatonin improves the salt tolerance of cotton by removing active oxygen and protecting photosynthetic organs. BMC Plant Biology, 2021, 21, 331.	1.6	54
2690	Quantitative Proteome and PTMome Analysis of <i>Arabidopsis thaliana</i> Root Responses to Persistent Osmotic and Salinity Stress. Plant and Cell Physiology, 2021, 62, 1012-1029.	1.5	16
2691	Genome-wide analysis of the bZIP gene family and the role of AchnABF1 from postharvest kiwifruit (<i>Actinidia chinensis</i> cv. Hongyang) in osmotic and freezing stress adaptations. Plant Science, 2021, 308, 110927.	1.7	16
2692	Transcriptome analysis of bread wheat leaves in response to salt stress. PLoS ONE, 2021, 16, e0254189.	1.1	22
2693	Bioelectrical pattern discrimination of <i>Miconia</i> plants by spectral analysis and machine learning. Theoretical and Experimental Plant Physiology, 2021, 33, 329-342.	1.1	2

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2694	Short-Term Responses to Salinity of Soybean and <i>Chenopodium album</i> Grown in Single and Mixed-Species Hydroponic Systems. <i>Agronomy</i> , 2021, 11, 1481.	1.3	6
2695	Responses to Salinity in Four <i>Plantago</i> Species from Tunisia. <i>Plants</i> , 2021, 10, 1392.	1.6	13
2696	Ectopic expression of finger millet calmodulin confers drought and salinity tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Cell Reports</i> , 2021, 40, 2205-2223.	2.8	13
2697	Alfalfa (<i>Medicago sativa</i> L.) MsCML46 gene encoding calmodulin-like protein confers tolerance to abiotic stress in tobacco. <i>Plant Cell Reports</i> , 2021, 40, 1907-1922.	2.8	17
2698	Comparative transcriptome analysis of NaCl and KCl stress response in <i>Malus hupehensis</i> Rehd. Provide insight into the regulation involved in Na ⁺ and K ⁺ homeostasis. <i>Plant Physiology and Biochemistry</i> , 2021, 164, 101-114.	2.8	5
2699	The Drought-Mediated Soybean GmNAC085 Functions as a Positive Regulator of Plant Response to Salinity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8986.	1.8	10
2700	Molecular Characterization of NDL1-AGB1 Mediated Salt Stress Signaling: Further Exploration of the Role of NDL1 Interacting Partners. <i>Cells</i> , 2021, 10, 2261.	1.8	4
2701	5-Aminolevulinic Acid Pretreatment Mitigates Drought and Salt Stresses in Poplar Plants. <i>Forests</i> , 2021, 12, 1112.	0.9	4
2703	The TCP transcription factor PeTCP10 modulates salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2021, 40, 1971-1987.	2.8	31
2704	Changes in the root-associated bacteria of sorghum are driven by the combined effects of salt and sorghum development. <i>Environmental Microbiomes</i> , 2021, 16, 14.	2.2	20
2705	Rice Cultivars Under Salt Stress Show Differential Expression of Genes Related to the Regulation of Na ⁺ /K ⁺ Balance. <i>Frontiers in Plant Science</i> , 2021, 12, 680131.	1.7	19
2706	<i>Paraburkholderia</i> sp. GD17 improves rice seedling tolerance to salinity. <i>Plant and Soil</i> , 2021, 467, 373-389.	1.8	4
2707	Mitigating Soil Salinity Stress with Gypsum and Bio-Organic Amendments: A Review. <i>Agronomy</i> , 2021, 11, 1735.	1.3	81
2708	Foliar spray of moringa leaf extract improves growth and concentration of pigment, minerals and stevioside in stevia (<i>Stevia rebaudiana</i> Bertoni). <i>Industrial Crops and Products</i> , 2021, 166, 113485.	2.5	22
2709	Seed priming with endophytic <i>Bacillus subtilis</i> strain-specifically improves growth of <i>Phaseolus vulgaris</i> plants under normal and salinity conditions and exerts anti-stress effect through induced lignin deposition in roots and decreased oxidative and osmotic damages. <i>Journal of Plant Physiology</i> , 2021, 263, 153462.	1.6	32
2710	Effect of Sodium Silicate and Salicylic Acid on Sodium and Potassium Ratio in Wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314.rgBT /O2erlock 10	1.8	2
2711	Current knowledge about Na ₂ SO ₄ effects on plants: what is different in comparison to NaCl?. <i>Journal of Plant Research</i> , 2021, 134, 1159-1179.	1.2	4
2712	Combining Genome and Gene Co-expression Network Analyses for the Identification of Genes Potentially Regulating Salt Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2021, 12, 704549.	1.7	7

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2713	Combined effects of salinity and nitrogen levels on some physiological and biochemical aspects at the halophytic forage legume <i>Sulla carnosa</i> . Archives of Agronomy and Soil Science, 2023, 69, 119-134.	1.3	3
2714	Influence of Nano Silicon and Nano Selenium on Root Characters, Growth, Ion Selectivity, Yield, and Yield Components of Rice (<i>Oryza sativa</i> L.) under Salinity Conditions. Plants, 2021, 10, 1657.	1.6	67
2715	Sodium glutamate as a booster: Inducing <i>Rhodosporidium paludigenum</i> to enhance the inhibition of <i>Penicillium expansum</i> on pears. Journal of Applied Microbiology, 2021, , .	1.4	1
2716	Physiological and Biochemical Response of Wild Olive (<i>Olea europaea</i> Subsp. <i>europaea</i> var. <i>sylvestris</i>) to Salinity. Frontiers in Plant Science, 2021, 12, 712005.	1.7	2
2717	Crucial Cell Signaling Compounds Crosstalk and Integrative Multi-Omics Techniques for Salinity Stress Tolerance in Plants. Frontiers in Plant Science, 2021, 12, 670369.	1.7	47
2718	Silicon nutrition stimulates Salt-Overly Sensitive (SOS) pathway to enhance salinity stress tolerance and yield in rice. Plant Physiology and Biochemistry, 2021, 166, 593-604.	2.8	24
2719	Early detection of plant stress using the internal electrical conductivity of <i>Capsicum annuum</i> in response to temperature and salinity stress. Plant Growth Regulation, 2021, 95, 371-380.	1.8	11
2720	Salt stress downregulates 2-hydroxybutyrylation in <i>Arabidopsis</i> siliques. Journal of Proteomics, 2022, 250, 104383.	1.2	8
2721	Exogenous Application of Chitosan Alleviate Salinity Stress in Lettuce (<i>Lactuca sativa</i> L.). Horticulturae, 2021, 7, 342.	1.2	21
2722	Fascinating regulatory mechanism of silicon for alleviating drought stress in plants. Plant Physiology and Biochemistry, 2021, 166, 1044-1053.	2.8	36
2723	Nutrient Solution Temperature Affects Growth and °Brix Parameters of Seventeen Lettuce Cultivars Grown in an NFT Hydroponic System. Horticulturae, 2021, 7, 321.	1.2	11
2724	Effects of salt stress on plant growth, abscisic acid and salicylic acid in own-rooted cultivars of <i>Vitis vinifera</i> L.. Spanish Journal of Agricultural Research, 2021, 19, e0803-e0803.	0.3	0
2725	Jasmonic Acid in Plant Abiotic Stress Tolerance and Interaction with Abscisic Acid. Agronomy, 2021, 11, 1886.	1.3	47
2726	Gamma-aminobutyric acid (GABA) and salinity impacts antioxidative response and expression of stress-related genes in strawberry cv. Aromas. Revista Brasileira De Botanica, 2021, 44, 639-651.	0.5	6
2727	<i>De novo</i> genome assembly and <i>in natura</i> epigenomics reveal salinity-induced DNA methylation in the mangrove tree <i>Bruguiera gymnorhiza</i> . New Phytologist, 2022, 233, 2094-2110.	3.5	25
2728	Understanding the potential of root microbiome influencing salt tolerance in plants and mechanisms involved at the transcriptional and translational level. Physiologia Plantarum, 2021, 173, 1657-1681.	2.6	17
2729	Cyclophilins and Their Functions in Abiotic Stress and Plant-Microbe Interactions. Biomolecules, 2021, 11, 1390.	1.8	12
2730	Rapid Accumulation of Proline Enhances Salinity Tolerance in Australian Wild Rice <i>Oryza australiensis</i> Domin. Plants, 2021, 10, 2044.	1.6	34

#	ARTICLE	IF	CITATIONS
2731	Rhizosphere microbiome manipulation for sustainable crop production. <i>Current Plant Biology</i> , 2021, 27, 100210.	2.3	71
2732	Bioprospecting Desert Plants for Endophytic and Biostimulant Microbes: A Strategy for Enhancing Agricultural Production in a Hotter, Drier Future. <i>Biology</i> , 2021, 10, 961.	1.3	15
2733	Salt-Tolerant Compatible Microbial Inoculants Modulate Physio-Biochemical Responses Enhance Plant Growth, Zn Biofortification and Yield of Wheat Grown in Saline-Sodic Soil. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9936.	1.2	20
2734	Interactive Effect of Organic and Inorganic Amendments along with Plant Growth Promoting Rhizobacteria on Ameliorating Salinity Stress in Maize. , 0, , .		0
2735	Can Bacterial Endophytes Be Used as a Promising Bio-Inoculant for the Mitigation of Salinity Stress in Crop Plants?â€”A Global Meta-Analysis of the Last Decade (2011â€“2020). <i>Microorganisms</i> , 2021, 9, 1861.	1.6	23
2736	Proso millet (<i>Panicum miliaceum</i> L.): A potential crop to meet demand scenario for sustainable saline agriculture. <i>Journal of Environmental Management</i> , 2021, 296, 113216.	3.8	11
2737	An overview of the emerging trends of the <i>Salicornia</i> L. genus as a sustainable crop. <i>Environmental and Experimental Botany</i> , 2021, 191, 104606.	2.0	49
2738	Casparian bands and suberin lamellae: Key targets for breeding salt tolerant crops?. <i>Environmental and Experimental Botany</i> , 2021, 191, 104600.	2.0	18
2739	Alpha-tocopherol reinforce selenium efficiency to ameliorates salt stress in maize plants through carbon metabolism, enhanced photosynthetic pigments and ion uptake. <i>South African Journal of Botany</i> , 2022, 144, 1-9.	1.2	8
2740	Nitric oxide signaling and abiotic stress tolerance in plants. , 2022, , 373-390.		0
2741	Effect of Soil Water Deficit on Growth and Development of Plants: A Review. , 2021, , 393-488.		6
2742	Role of secondary metabolites in salt and heavy metal stress mitigation by halophytic plants: An overview. , 2021, , 307-327.		4
2743	Ecological and physiological features of metal accumulation of halophytic plants on the White Sea coast. , 2021, , 295-306.		2
2744	Transcriptome skimming of lentil (<i>Lens culinaris</i> Medikus) cultivars with contrast reaction to salt stress. <i>Functional and Integrative Genomics</i> , 2021, 21, 139-156.	1.4	12
2745	Genetic engineering of ion transporters for osmotic stress tolerance. , 2021, , 133-166.		0
2747	LED spectral quality and NaCl salinity interact to affect growth, photosynthesis and phytochemical production of. <i>Functional Plant Biology</i> , 2022, 49, 483-495.	1.1	15
2749	Nutrient Composition, Antioxidant Components and Ascorbic Acid Content Response of Pepper Fruit (<i>Capsicum annum</i> L.) Cultivars Grown under Salt Stress. <i>Open Access Library Journal (oalib)</i> , 2021, 08, 1-20.	0.1	1
2750	Features of the Functioning of Succinate Dehydrogenase and Malate Dehydrogenase in Leaves of Spinach (<i>Chenopodium foliosum</i> L.) and Amaranth (<i>Amaranthus caudatus</i> L.) under Salt Stress Conditions. <i>Biology Bulletin</i> , 2021, 48, 57-64.	0.1	2

#	ARTICLE	IF	CITATIONS
2751	Role of zinc oxide nanoparticles in mediating abiotic stress responses in plant. , 2021, , 323-337.		4
2752	Regulation of salinity stress by hydrogen sulfide in plants. , 2021, , 213-227.		2
2753	ZxNHX1 indirectly participates in controlling K ⁺ homeostasis in the xerophyte <i>Zygophyllum xanthoxylum</i> . <i>Functional Plant Biology</i> , 2021, 48, 402.	1.1	4
2754	Roles of Si and SiNPs in Improving Thermotolerance of Wheat Photosynthetic Machinery via Upregulation of PsbH, PsbB and PsbD Genes Encoding PSII Core Proteins. <i>Horticultrae</i> , 2021, 7, 16.	1.2	25
2755	The versatile GABA in plants. <i>Plant Signaling and Behavior</i> , 2021, 16, 1862565.	1.2	132
2757	Physiological traits of sodium toxicity and salt tolerance. , 2001, , 378-379.		3
2758	The Long and Winding Road to Halotolerance Genes. , 2002, , 505-533.		10
2759	Ion homeostasis in <i>Saccharomyces cerevisiae</i> under NaCl stress. , 2003, , 201-239.		14
2760	Genomics of Tolerance to Abiotic Stress in the Triticeae. , 2009, , 481-558.		8
2761	Methods for Screening Legume Crops for Abiotic Stress Tolerance through Physiological and Biochemical Approaches. <i>Methods in Molecular Biology</i> , 2020, 2107, 277-303.	0.4	3
2762	Metabolic Engineering of Chloroplasts for Abiotic Stress Tolerance. , 2004, , 513-525.		4
2763	Dissecting Qtls For Tolerance to Drought and Salinity. , 2007, , 381-411.		9
2764	Recent Advances in Breeding Maize for Drought and Salinity Stress Tolerance. , 2007, , 587-601.		49
2765	Abiotic Stress Tolerant Crops: Genes, Pathways and Bottlenecks. , 2013, , 1-17.		5
2766	Nitrogen-Use-Efficiency (NUE) in Plants Under NaCl Stress. , 2013, , 415-437.		13
2767	Auxin in Plant Growth and Stress Responses. , 2014, , 1-35.		19
2768	<i>Bacillus subtilis</i> -Mediated Abiotic Stress Tolerance in Plants. <i>Bacilli in Climate Resilient Agriculture and Bioprospecting</i> , 2019, , 97-133.	0.6	7
2769	Biological Strategies of Lichen Symbionts to the Toxicity of Lead (Pb). <i>Radionuclides and Heavy Metals in Environment</i> , 2020, , 149-170.	0.5	5

#	ARTICLE	IF	CITATIONS
2770	Salt Stress. , 2019, , 69-80.		2
2771	Regulatory Role of Rhizobacteria to Induce Drought and Salt Stress Tolerance in Plants. Sustainable Development and Biodiversity, 2019, , 279-335.	1.4	12
2772	ROS Signalling in Modulating Salinity Stress Tolerance in Plants. Signaling and Communication in Plants, 2020, , 299-314.	0.5	20
2773	Plant Responses and Tolerance to Combined Salt and Drought Stress. Signaling and Communication in Plants, 2020, , 17-52.	0.5	15
2774	Plant Responses and Tolerance to Extreme Salinity: Learning from Halophyte Tolerance to Extreme Salinity. Signaling and Communication in Plants, 2020, , 177-210.	0.5	7
2775	Overview of Signal Transduction in Plants Under Salt and Drought Stresses. Signaling and Communication in Plants, 2020, , 231-258.	0.5	5
2776	The Role of Plasma Membrane H ⁺ -ATPase in Salinity Stress of Plants. Progress in Botany Fortschritte Der Botanik, 2015, , 77-92.	0.1	29
2778	Drought and Salt Stress in Cereals. Sustainable Agriculture Reviews, 2015, , 1-31.	0.6	8
2779	What Do the Plant Mitochondrial Antioxidant and Redox Systems Have to Say Under Salinity, Drought, and Extreme Temperature?. , 2015, , 23-55.		12
2780	Zinc Application to Rice Genotypes Under Saline Conditions. Sustainable Agriculture Reviews, 2015, , 253-272.	0.6	1
2781	Nitrogen Management in Rice-Wheat Cropping System in Salt-Affected Soils. , 2016, , 67-89.		3
2782	The Extraordinary Salt Tolerance of Quinoa. Environment & Policy, 2020, , 125-143.	0.4	6
2783	Electrophysiology of Turgor Regulation in Charophyte Cells. , 2006, , 375-406.		10
2784	Polyamines and Plant Adaptation to Saline Environments. , 2010, , 261-298.		22
2785	Molecular Responses of Halophytes to High Salinity. Progress in Botany Fortschritte Der Botanik, 2004, , 219-234.	0.1	7
2786	Interaction Between Salinity and Elevated CO ₂ : A Physiological Approach. Progress in Botany Fortschritte Der Botanik, 2012, , 97-126.	0.1	2
2787	Use of β -Glucuronidase to Show Dehydration and High-Salt Gene Expression. , 2002, , 37-61.		7
2788	Comparison of salinity tolerance of two related subspecies of Beta vulgaris: The sea beet (Beta) Tj ETQq1 1 0.784314 rgBT /Overlock 10		

#	ARTICLE	IF	CITATIONS
2789	Functional genomics to discover genes for salt tolerance in annual and perennial plants. , 2008, , 273-286.		3
2790	Molecular biology and transport properties of grapevine Na ⁺ /H ⁺ antiporter. , 2008, , 305-315.		2
2791	Bioinformatics Resources for the Management of Biological Information on Plant Responses Towards Stresses. , 2014, , 365-382.		1
2792	Influence of Moisture Stress on Growth, Development, Physiological Process and Quality of Fruits and Vegetables and Its Management Strategies. , 2014, , 125-148.		2
2793	Yield and Growth Responses of Autochthonous Pearl Millet Ecotype (<i>Pennisetum glaucum</i> (L.) R. Br.) Under Saline Water Irrigation in Tunisia. , 2013, , 437-450.		2
2794	Importance of the Diversity within the Halophytes to Agriculture and Land Management in Arid and Semiarid Countries. <i>Tasks for Vegetation Science</i> , 2014, , 175-198.	0.6	6
2795	Molecular Strategies to Overcome Salt Stress in Agriculture. , 2001, , 103-129.		2
2796	Salt-avoidance mechanisms in the halophyte <i>Distichlis spicata</i> as a promising source for improved salt resistance in crop plants. <i>Tasks for Vegetation Science</i> , 2003, , 87-91.	0.6	2
2797	Salt Tolerance: Placing Advances in Molecular Genetics into a Physiological and Agronomic Context. , 2003, , 53-69.		14
2798	Unravelling the Genetic Basis of Drought Tolerance in Crops. , 2003, , 71-122.		11
2799	Protected Crops. , 2014, , 327-405.		28
2800	Plant Growth-Promoting Rhizobacteria and Salinity Stress: A Journey into the Soil. <i>Microorganisms for Sustainability</i> , 2019, , 21-34.	0.4	23
2801	Mechanisms of Seed Priming Involved in Salt Stress Amelioration. , 2019, , 219-251.		10
2802	Soil-Plant and Microbial Interaction in Improving Salt Stress. , 2019, , 217-235.		3
2803	Effect of Salinity on Soil Nutrients and Plant Health. , 2019, , 273-297.		7
2804	Potentiality of Plant Growth-Promoting Rhizobacteria in Easing of Soil Salinity and Environmental Sustainability. , 2019, , 21-58.		3
2805	Proline Accumulation and Oxidative Stress: Diverse Roles and Mechanism of Tolerance and Adaptation Under Salinity Stress. , 2019, , 269-300.		25
2806	Consequences of Bioinoculants and Intercropping Approach to Alleviate Plant Drought and Salinity Stress for Sustainable Agriculture. , 2019, , 161-182.		5

#	ARTICLE	IF	CITATIONS
2807	Stress Management: Sustainable Approach Towards Resilient Agriculture. , 2019, , 231-270.		2
2808	Inspection of Crop Wild Relative (<i>Cicer microphyllum</i>) as Potential Genetic Resource in Transgenic Development. , 2019, , 253-272.		1
2809	Use of Biostimulants to Improve Salinity Tolerance in Agronomic Crops. , 2020, , 423-441.		4
2810	Promising Transcription Factors for Salt and Drought Tolerance in Plants. <i>Energy, Environment, and Sustainability</i> , 2019, , 7-50.	0.6	7
2811	Adaptive Physiological Responses of Plants under Abiotic Stresses: Role of Phytohormones. , 2020, , 797-824.		12
2812	New Approaches for Improving Salt Stress Tolerance in Rice. , 2020, , 247-268.		9
2813	Major Constraints for Global Rice Production: Changing Climate, Abiotic and Biotic Stresses. , 2020, , 15-45.		7
2814	Perspectives of Plant Growth-Promoting Rhizobacteria in Conferring Salinity Tolerance in Crops. , 2019, , 299-313.		1
2815	Vacuolar Na ⁺ /H ⁺ antiporter from barley: identification and response to salt stress. <i>Biochemistry (Moscow)</i> , 2005, 70, 101-107.	0.7	1
2816	Involvement of active MKK9-MAPK3/MAPK6 in increasing respiration in salt-treated <i>Arabidopsis</i> callus. <i>Protoplasma</i> , 2020, 257, 965-977.	1.0	13
2818	Mechanisms of salt tolerance and interactive effects of <i>Azospirillum brasilense</i> inoculation on maize cultivars grown under salt stress conditions. <i>Plant Growth Regulation</i> , 2004, 44, 165-174.	1.8	33
2819	Antioxidants and unsaturated fatty acids are involved in salt tolerance in peanut. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	153
2820	Assessment of ammonium fertilization as a stimulus for proline accumulation in <i>Oryza sativa</i> L. during cyanide assimilation. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2811-2818.	1.8	5
2821	Nitrate assimilation is essential for the synthesis of organic matter. , 2005, , 275-308.		4
2822	Halotolerant plant growth-promoting bacteria: Prospects for alleviating salinity stress in plants. <i>Environmental and Experimental Botany</i> , 2020, 178, 104124.	2.0	176
2823	ESCRT-I Component VPS23A Sustains Salt Tolerance by Strengthening the SOS Module in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2020, 13, 1134-1148.	3.9	37
2824	Ecophysiological and biochemical aspects of olive tree (<i>Olea europaea</i> L.) in response to salt stress and gibberellic acid-induced alleviation. <i>South African Journal of Botany</i> , 2020, 132, 38-44.	1.2	10
2825	Rhizobacteria AK1 remediates the toxic effects of salinity stress via regulation of endogenous phytohormones and gene expression in soybean. <i>Biochemical Journal</i> , 2019, 476, 2393-2409.	1.7	36

#	ARTICLE	IF	CITATIONS
2826	Reduced expression of a vesicle trafficking-related ATPase SKD1 decreases salt tolerance in Arabidopsis. <i>Functional Plant Biology</i> , 2010, 37, 962.	1.1	19
2827	Monitoring the activation of jasmonate biosynthesis genes for selection of chickpea hybrids tolerant to drought stress.. , 2015, , 54-70.		2
2830	MORPHO-PHYSIOLOGICAL CHARACTERISTICS, SELECTED MACRONUTRIENT UPTAKE, AND OXIDATIVE STRESS LEVEL OF <i>Andrographis paniculata</i> UNDER SALINE CONDITION. <i>Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 65</i>		
2832	A Study on the Effect of Salinity Stress on the Growth and Yield of Some Native Rice Cultivars of Kerala State of India. <i>Agriculture Forestry and Fisheries</i> , 2013, 2, 141.	0.2	15
2833	Chapter 3 Regulatory Mechanisms by Silicon to Overcome the Salinity-Induced Imbalance of Essential Nutrient Elements. , 2016, , 47-66.		3
2834	Untargeted Metabolomics of Halophytes. , 2016, , 307-325.		14
2835	Chapter 39 Nutrient Management of Golf Course Putting Greens under Stresses. , 2016, , 1017-1046.		1
2836	Tolerance to Abiotic Stresses. , 2006, , 521-591.		2
2838	Seed Treatment with Salicylic Acid Enhance Drought Tolerance in Capsicum. <i>World Journal of Agricultural Research</i> , 2014, 2, 42-46.	0.3	16
2839	Evaluation of NaCl Tolerance in the Physical Reduction of <i>Jatropha Curcus L.</i> Seedlings. <i>Agricultural Science</i> , 2014, 2, 23-35.	0.3	1
2841	Salt Tolerance Analysis of Crops using the SWAP Model. <i>Biosciences, Biotechnology Research Asia</i> , 2017, 14, 643-649.	0.2	1
2842	Sodium Nitroprusside Improves Performance of Barley (<i>Hordeum vulgare L.</i>) Under Salt Stress. <i>Biosciences, Biotechnology Research Asia</i> , 2018, 15, 603-610.	0.2	2
2843	Growth pattern in tropical mangrove trees of Bunaken National Park, North Sulawesi, Indonesia. <i>Biodiversitas</i> , 2019, 20, .	0.2	3
2844	Uniconazole effect on endogenous hormones, proteins and proline contents of barley plants (<i>Hordeum vulgare</i>) under salinity stress (NaCl). <i>Nusantara Bioscience</i> , 2016, 6, .	0.2	3
2845	Salt stress manifestation on plants, mechanism of salt tolerance and potassium role in alleviating it: a review. <i>Zemdirbyste</i> , 2016, 103, 229-238.	0.3	109
2846	A Study on the Accumulation of Proline - An Osmoprotectant Amino Acid under Salt Stress in Some Native Rice Cultivars of North Kerala, India. <i>Universal Journal of Agricultural Research</i> , 2015, 3, 15-22.	0.1	22
2847	Effect of Salinity Variation on the Quantity of Antioxidant Enzymes in Some Rice Cultivars of North Kerala, India. <i>Universal Journal of Agricultural Research</i> , 2015, 3, 89-105.	0.1	2
2848	CaZF, a Plant Transcription Factor Functions through and Parallel to HOG and Calcineurin Pathways in <i>Saccharomyces cerevisiae</i> to Provide Osmotolerance. <i>PLoS ONE</i> , 2009, 4, e5154.	1.1	29

#	ARTICLE	IF	CITATIONS
2849	Transcriptome Analyses of a Salt-Tolerant Cytokinin-Deficient Mutant Reveal Differential Regulation of Salt Stress Response by Cytokinin Deficiency. <i>PLoS ONE</i> , 2012, 7, e32124.	1.1	146
2850	Differential Responses of CO ₂ Assimilation, Carbohydrate Allocation and Gene Expression to NaCl Stress in Perennial Ryegrass with Different Salt Tolerance. <i>PLoS ONE</i> , 2013, 8, e66090.	1.1	28
2851	Transcriptomic and Physiological Variations of Three Arabidopsis Ecotypes in Response to Salt Stress. <i>PLoS ONE</i> , 2013, 8, e69036.	1.1	45
2852	Functional Characterization of a Wheat NHX Antiporter Gene TaNHX2 That Encodes a K ⁺ /H ⁺ Exchanger. <i>PLoS ONE</i> , 2013, 8, e78098.	1.1	36
2853	Transcriptome Analysis of <i>Salicornia europaea</i> under Saline Conditions Revealed the Adaptive Primary Metabolic Pathways as Early Events to Facilitate Salt Adaptation. <i>PLoS ONE</i> , 2013, 8, e80595.	1.1	41
2854	JcLEA, a Novel LEA-Like Protein from <i>Jatropha curcas</i> , Confers a High Level of Tolerance to Dehydration and Salinity in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2013, 8, e83056.	1.1	47
2855	Global Analysis of Gene Expression Profiles in Physic Nut (<i>Jatropha curcas</i> L.) Seedlings Exposed to Salt Stress. <i>PLoS ONE</i> , 2014, 9, e97878.	1.1	87
2856	Genome-Wide Screening of Salt Tolerant Genes by Activation-Tagging Using Dedifferentiated Calli of <i>Arabidopsis</i> and Its Application to Finding Gene for Myo-Inositol-1-P-Synthase. <i>PLoS ONE</i> , 2015, 10, e0115502.	1.1	9
2857	Proteomic Analysis of Seedling Roots of Two Maize Inbred Lines That Differ Significantly in the Salt Stress Response. <i>PLoS ONE</i> , 2015, 10, e0116697.	1.1	42
2858	Quantitative Proteomic Analysis of the Rice (<i>Oryza sativa</i> L.) Salt Response. <i>PLoS ONE</i> , 2015, 10, e0120978.	1.1	45
2859	GpDSR7, a Novel E3 Ubiquitin Ligase Gene in <i>Grimmia pilifera</i> Is Involved in Tolerance to Drought Stress in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2016, 11, e0155455.	1.1	7
2860	Comparative Analysis of the Chrysanthemum Leaf Transcript Profiling in Response to Salt Stress. <i>PLoS ONE</i> , 2016, 11, e0159721.	1.1	14
2861	Recursive random forest algorithm for constructing multilayered hierarchical gene regulatory networks that govern biological pathways. <i>PLoS ONE</i> , 2017, 12, e0171532.	1.1	38
2862	Dissecting the proteome dynamics of the salt stress induced changes in the leaf of diploid and autotetraploid <i>Paulownia fortunei</i> . <i>PLoS ONE</i> , 2017, 12, e0181937.	1.1	15
2863	Arbuscular mycorrhizal symbiosis mitigates the negative effects of salinity on durum wheat. <i>PLoS ONE</i> , 2017, 12, e0184158.	1.1	62
2864	Metabolomics characterizes the metabolic changes of <i>Lonicerae Japonicae</i> Flos under different salt stresses. <i>PLoS ONE</i> , 2020, 15, e0243111.	1.1	17
2865	Biometria de Mudanças de Cajueiro Anã Irrigadas com Águas Salinas e Uso de Atenuadores do Estresse Salino. <i>Nativa</i> , 2014, 2, 71-78.	0.2	12
2866	Recent advances in genetic manipulation of crops: A promising approach to address the global food and industrial applications. <i>Plant Science Today</i> , 2020, 7, 70-92.	0.4	8

#	ARTICLE	IF	CITATIONS
2867	Effect of Salinity in Irrigation Water on Some Plant Development Parameters of Sainfoin (<i>Onobrychis</i>) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	0.4	5
2868	THE EFFECT OF SALINITY ON THE GROWTH OF THE HALOPHYTE <i>ATRIPLEX HORTENSIS</i> (CHENOPODIACEAE). <i>Applied Ecology and Environmental Research</i> , 2009, 7, 319-332.	0.2	28
2869	INFLUÊNCIA DO GESSO E BIOFERTILIZANTE NOS ATRIBUTOS QUÍMICOS DE UM SOLO SALINO-SÁDICO E NO CRESCIMENTO INICIAL DO GIRASSOL. <i>Irriga</i> , 2015, 20, 46.	0.2	12
2870	COMPONENTES DE PRODUÇÃO E RENDIMENTO DO GIRASSOL SOB IRRIGAÇÃO COM ÁGUAS SALINAS E ADUBAÇÃO NITROGENADA1. <i>Irriga</i> , 2015, 20, 514-527.	0.2	6
2872	Plant growth, accumulation and solute partitioning of four forest species under salt stress. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2003, 7, 258-262.	0.4	7
2873	Cultivo in vitro de somaclones de abacaxizeiro na presença de NaCl. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2007, 11, 279-283.	0.4	1
2874	Crescimento e respostas fisiológicas de espécies arbóreas em solo salinizado tratado com corretivos. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2012, 16, 173-181.	0.4	11
2875	Comportamento hídrico e crescimento do feijão vigna cultivado em solos salinizados. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2013, 17, 379-385.	0.4	15
2876	Comparative study of wild and transformed salt tolerant bacterial strains on <i>Triticum aestivum</i> growth under salt stress. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 946-955.	0.8	23
2877	Glycinebetaine improves salt tolerance in vinal (<i>Prosopis ruscifolia</i> Griesbach) seedlings. <i>Brazilian Journal of Plant Physiology</i> , 2009, 21, 233-241.	0.5	34
2878	<i>Glomus intraradices</i> improved salt tolerance in <i>Prosopis alba</i> seedlings by improving water use efficiency and shoot water content. <i>Brazilian Journal of Plant Physiology</i> , 2010, 22, 285-289.	0.5	4
2879	Photosynthesis and antioxidant activity in <i>Jatropha curcas</i> L. under salt stress. <i>Brazilian Journal of Plant Physiology</i> , 2012, 24, 55-67.	0.5	34
2880	Efeitos do estresse salino na germinação, emergência e estabelecimento da plântula de cajueiro anão precoce. <i>Revista Ciencia Agronomica</i> , 2011, 42, 993-999.	0.1	13
2881	Salinity effects on photosynthetic pigments, proline, biomass and nitric oxide in <i>Salvinia auriculata</i> Aubl.. <i>Acta Limnologica Brasiliensia</i> , 2017, 29, .	0.4	36
2882	Effects of Increasing Salinity on Photosynthesis and Plant Water Potential in Kansas Salt Marsh Species. <i>Transactions of the Kansas Academy of Science</i> , 2019, 122, 49.	0.0	35
2883	Conscientiousness of Mitogen Activated Protein Kinases in Acquiring Tolerance for Abiotic Stresses in Plants. <i>Proceedings of the Indian National Science Academy</i> , 2014, 80, 211.	0.5	9
2884	Effects of Plant Growth Promoting Rhizobacteria (PGPR) on Physiological Parameters Against Salinity in Apple Cultivar 'Fuji'. <i>Sakarya University Journal of Science</i> , 2020, 24, 281-286.	0.3	4
2886	Anatomical and Physiological Responses of Four Quinoa Cultivars to Salinity at Seedling Stage. <i>Indian Journal of Science and Technology</i> , 2017, 10, 1-12.	0.5	18

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2887	Anatomical and Physiological Responses of Four Quinoa Cultivars to Salinity at Seedling Stage. <i>Indian Journal of Science and Technology</i> , 2017, 10, 1-12.	0.5	3
2888	EFFECT OF SALINITY AND BACILLUS SUBTILIS ON WHITE FLY (<i>TRIALEURODES VAPORARIORUM</i> , WESTWOOD) IN HYDROPONICALLY GROWN TOMATOES (<i>LYCOPERSICON ESCULENTUM</i> MILL.). <i>Acta Horticulturae</i> , 2004, , 323-329.	0.1	1
2889	Grafting onto pumpkin rootstock is an efficient alternative to improve melon tolerance to NaCl stres. <i>European Journal of Horticultural Science</i> , 2018, , 337-344.	0.3	6
2890	Integrated Nutrient Management using P-fixation Factor in Rice-wheat Cropping System under Salt Affected Conditions. <i>International Journal of Agriculture and Biology</i> , 2015, 17, 643-647.	0.2	2
2892	Abiotic stresses induce total phenolic, total flavonoid and antioxidant properties in Malaysian indigenous microalgae and cyanobacterium. <i>Malaysian Journal of Microbiology</i> , 2018, , .	0.1	7
2893	How Salinity Affects Co2 Fixation by Horticultural Crops. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 1798-1803.	0.5	9
2894	Effect of Saline Irrigation Water on Antioxidants in Three Hydroponically Grown Leafy Vegetables: <i>Diplotaxis tenuifolia</i> , <i>Eruca sativa</i> , and <i>Lepidium sativum</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 546-552.	0.5	18
2895	Sodium Distribution in Salt-stressed Citrus Rootstock Seedlings. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012, 47, 1504-1511.	0.5	26
2896	Response of Selected Wildflower Species to Saline Water Irrigation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012, 47, 1351-1355.	0.5	9
2897	Augmentation of Antioxidant Constituents by Drought Stress to Roots in Leafy Vegetables. <i>HortTechnology</i> , 2012, 22, 121-125.	0.5	22
2898	Physiological Responses of Pepper to Salinity and Drought. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 48-54.	0.5	92
2899	Growth, Water Relations, and Ion Content of Field-grown Celery [<i>Apium graveolens</i> L. var. <i>dulce</i> (Mill.) Pers.] under Saline Irrigation. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 136-143.	0.5	20
2900	Exogenous Glycine Betaine Ameliorates the Adverse Effect of Salt Stress on Perennial Ryegrass. <i>Journal of the American Society for Horticultural Science</i> , 2012, 137, 38-46.	0.5	107
2901	Effect of Nitric Oxide on Proline Metabolism in Cucumber Seedlings under Salinity Stress. <i>Journal of the American Society for Horticultural Science</i> , 2012, 137, 127-133.	0.5	46
2902	Evaluating Plant Breeding Strategies by Simulating Gene Action and Dryland Environment Effects. <i>Agronomy Journal</i> , 2003, 95, 99-113.	0.9	67
2903	Differential Expression of Genes Regulated in Response to Drought or Salinity Stress in Sunflower. <i>Crop Science</i> , 2003, 43, 678-687.	0.8	70
2904	Features of the Proline Synthesis of Pea Seedlings in Depend of Salt and Hyperthermia Treatment Coupled with Ionizing Radiation. <i>International Journal of Secondary Metabolite</i> , 0, , 94-108.	0.5	6
2905	Bitkilerde Tuz Toleransın Fizyolojik ve Biyokimyasal Bileşenleri. <i>Academic Platform Journal of Engineering and Science</i> , 0, , 155-174.	0.5	13

#	ARTICLE	IF	CITATIONS
2906	Herbicides and salicylic acid applications caused alterations in total amino acids and proline contents of peanut cultivars. <i>Journal of Environmental Studies</i> , 2011, 6, 55-61.	0.1	11
2907	Investigation of Drought and Salinity Tolerance Related Genes and their Regulatory Mechanisms in <i>Arabidopsis</i> (<i>Arabidopsis thaliana</i>). <i>Open Bioinformatics Journal</i> , 2018, 11, 12-28.	1.0	21
2908	Meta-Analysis of Expression of the Stress Tolerance Associated Genes and Uncover their Cis-Regulatory Elements in Rice (<i>Oryza sativa</i> L.). <i>Open Bioinformatics Journal</i> , 2020, 13, 39-49.	1.0	14
2912	Production of Genetically Modified Grape (<i>Vitis vinifera</i> L.) Plants. <i>International Journal of Horticulture Agriculture and Food Science</i> , 2018, 2, 111-120.	0.0	2
2913	Proline Accumulation and its Defensive Role Under Diverse Stress Condition in Plants: An Overview. <i>Journal of Pure and Applied Microbiology</i> , 2018, 12, 1655-1659.	0.3	85
2914	Effect of salt stress on some sweet corn (<i>Zea mays</i> L. var. <i>saccharata</i>) genotypes. <i>Archives of Biological Sciences</i> , 2015, 67, 993-1000.	0.2	11
2915	Effects of partial defoliation on the growth, ion relations and photosynthesis of <i>Lycium chinense</i> Mill. under salt stress. <i>Archives of Biological Sciences</i> , 2015, 67, 1185-1194.	0.2	9
2916	Antioxidant responses of peanut (<i>Arachis hypogaea</i> L.) seedlings to prolonged salt-induced stress. <i>Archives of Biological Sciences</i> , 2015, 67, 1303-1312.	0.2	16
2917	Title is missing!. <i>ScienceAsia</i> , 2010, 36, 286.	0.2	34
2918	Effect of Salt Stress on Medicinal Plants and its Amelioration by Plant Growth Promoting Microbes. <i>International Journal of Bio-resource and Stress Management</i> , 2017, 8, 316-326.	0.1	6
2919	Improve the salinity stress by using ascorbic acid on Germination, Growth Parameters, Water Relations, Organic and Inorganic Components of Sweet Pepper (<i>Capsicum annum</i> , L.) Plant. <i>Journal of Advances in Agriculture</i> , 2015, 4, 331-349.	0.1	2
2920	Compared salt tolerance of five local wheat (<i>Triticum aestivum</i> L.) cultivars of Albania based on morphology, pigment synthesis and glutathione content. <i>The EuroBiotech Journal</i> , 2020, 4, 42-52.	0.5	8
2921	Response Of Strawberry "Selva"™ Plants On Foliar Application Of Sodium Nitroprusside (Nitric Oxide) Tj ETQq0,0,0 rgBT /Overlock 10	0,4	10
2922	PGPR Potentially Improve Growth of Tomato Plants in Salt-Stressed Environment. <i>Turkish Journal of Agriculture: Food Science and Technology</i> , 2016, 4, 455.	0.1	7
2923	Sugar Concentration of Cucumber Fruits as Affected by NaCl Addition to Nutrient Solution.. <i>Seibutsu Kankyo Chosetsu</i> [Environment Control in Biology, 2001, 39, 281-288.	0.2	7
2924	Production of Value-added Vegetables by Applying Environmental Stresses to Roots in Soil-less Culture.. <i>Shokubutsu Kankyo Kogaku</i> , 2008, 20, 210-218.	0.1	22
2925	Effects of NaCl Stress on Chlorophyll Content and Chlorophyll Fluorescence in Sunflower (<i>Helianthus annuus</i> L.) Lines. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 2014, 24, 111-120.	0.1	7
2926	Arbuscular mycorrhizal symbiosis and alleviation of salinity stress. <i>Journal of Applied and Natural Science</i> , 2012, 4, 144-155.	0.2	33

#	ARTICLE	IF	CITATIONS
2927	OsCaM1-1 overexpression in the transgenic rice mitigated salt-induced oxidative damage. <i>Biologia Plantarum</i> , 2019, 63, 335-342.	1.9	9
2928	Salt tolerance of potato genetically engineered with the <i>Atriplex canescens</i> BADH gene. <i>Biologia Plantarum</i> , 0, 64, 271-279.	1.9	12
2929	Mannose regulates water balance, leaf senescence, and genes related to stress tolerance in white clover under osmotic stress. <i>Biologia Plantarum</i> , 0, 64, 406-416.	1.9	25
2930	External potassium mediates the response and tolerance to salt stress in peanut at the flowering and needling stages. <i>Photosynthetica</i> , 2020, 58, 1141-1149.	0.9	16
2931	Role of Secondary Metabolites and Radical Scavenging Aptitude for Better Adaptability of Mangroves in Varying Salinity of Sundarbans, India. <i>Annals of Tropical Research</i> , 2014, , 1-22.	0.1	7
2932	RNA-Binding Proteins as Targets to Improve Salt Stress Tolerance in Crops. <i>Agronomy</i> , 2020, 10, 250.	1.3	10
2933	Root Proteomic Analysis of Two Grapevine Rootstock Genotypes Showing Different Susceptibility to Salt Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1076.	1.8	10
2934	Functioning of plants antioxidative system under salt stress. <i>VÅ~snik HarkÅ~vsÊ¹kogo NacÅ~onalÊ¹nogo Agrarnogo UnÅ~versitetu SerÅ~Å¢ BÅ~ologiÅ¢</i> , 2017, 2017, 23-45.	0.1	5
2936	Expression of a Vacuolar Na⁺/H⁺ Antiporter Gene of Alfalfa Enhances Salinity Tolerance in Transgenic <i>Arabidopsis</i>. <i>Acta Agronomica Sinica(China)</i> , 2008, 34, 557-564.	0.1	8
2937	Cloning and Salt-tolerance Analysis of Gene <i>At</i>Plastid Transcriptionally Ac-tive<i>At</i>(<i>At</i>ChPTAC<i>At</i>) from <i>At</i>Gossypium hirsutum<i>At</i> L. <i>Acta Agronomica Sinica(China)</i> , 2011, 37, 1551-1558.	0.1	3
2938	Effect of exogenous sucrose application on wheat seedling salt tolerance. <i>Chinese Journal of Eco-Agriculture</i> , 2012, 20, 225-230.	0.1	3
2939	<i>Arabidopsis At</i>WRKY2<i>At</i> Transcription Factor may be Involved in Osmotic Stress Response. <i>Acta Botanica Yunnanica</i>, 2010, 31, 427-432.</i>	0.1	13
2941	Evaluation of potting media for marigold under salinity stress condition. <i>Journal of Applied Horticulture</i> , 2020, 22, 49-56.	0.3	1
2942	Phosphoproteomic Strategy for Profiling Osmotic Stress Signaling in <i>Arabidopsis</i>. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	1
2943	Physiological and antioxidant response of three cultivars of cucumber (<i>Cucumis sativus</i> L.) to salinity. <i>Turkish Journal of Biology</i> , 0, , .	2.1	11
2944	Apoplastic and symplastic solute concentrations contribute to osmotic adjustment in bean genotypes during drought stress. <i>Turkish Journal of Biology</i> , 0, , .	2.1	15
2945	Variability in the Response of Chickpea Cultivars to Short-Term Salinity, in Terms of Water Retention Capacity, Membrane Permeability, and Osmo-Protection. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 0, , .	0.8	6
2946	Effect of glycinebetaine on proline, water use, and photosynthetic efficiencies, and growth of rice seedlings under salt stress. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 0, , .	0.8	27

#	ARTICLE	IF	CITATIONS
2947	Comparative Studies in Salinity Tolerance Between New Zealand Spinach (<i>Tetragonia tetragonioides</i>) and Chard (<i>Beta vulgaris</i>) to Salt Stress. <i>Agricultural Journal</i> , 2010, 5, 19-24.	0.1	7
2948	Possible Involvement of Organic Compounds and the Antioxidant Defense System in Salt Tolerance of <i>Medicago arborea</i> (L.). <i>Agricultural Journal</i> , 2011, 6, 353-365.	0.1	2
2949	Development of Salt Stress-tolerant Plants by Gene Manipulation of Antioxidant Enzymes. <i>Asian Journal of Agricultural Research</i> , 2010, 5, 17-27.	0.4	59
2950	Response of Shoot and Root in vitro Cultures of Banana Plant (<i>Musa acuminata</i> L.) cv Barangan to Salinity Stresses. <i>Asian Journal of Agricultural Research</i> , 2017, 11, 103-107.	0.4	2
2951	Influence of Vesicular-arbuscula Mycorrhizal Fungi (<i>Glomus</i> spp.) on the Response of Grapevines Rootstocks to Salt Stress. <i>Asian Journal of Crop Science</i> , 2013, 5, 393-404.	0.2	20
2952	Shoot and Root Characteristics of Converted Race Stocks Accessions of upland Cotton (<i>Gossypium</i>) Tj ETQq1 1 0.784314 rgBT /Over 99-106.	0.2	12
2953	Seed Germination Protocols for Ex situ Conservation of Some <i>Hypericum</i> species from Turkey. <i>American Journal of Plant Physiology</i> , 2007, 2, 287-294.	0.2	17
2954	Antioxidant Defence System in Chickpea (<i>Cicer arietinum</i> L.): Influence by Drought Stress Implemented at Pre- and Post-anthesis Stage. <i>American Journal of Plant Physiology</i> , 2012, 7, 164-173.	0.2	10
2955	Salinity Impact on the Precarious Mangroves: A Biochemical Study on Some Taxa from Indian Sundarbans. <i>American Journal of Plant Physiology</i> , 2012, 7, 53-69.	0.2	2
2956	Morpho-Chemical Responses of Gram (<i>Cicer arietinum</i> L.) to Salinity and Nitrogen. <i>Asian Journal of Plant Sciences</i> , 2002, 1, 171-173.	0.2	2
2957	Effects of Cadmium and Salinity on Growth, Photosynthesis and Ionic Contents of <i>Zea mays</i> . <i>Asian Journal of Plant Sciences</i> , 2003, 2, 196-201.	0.2	7
2958	Involvement of Sugars in the Response of Pepper Plants to Salinity: Effect of Calcium Application. <i>Asian Journal of Plant Sciences</i> , 2004, 3, 455-462.	0.2	4
2959	Genetic Diversity, Salinity Tolerance and Physiological Responses to NaCl of Six Rice (<i>Oryza sativa</i> L.) Cultivars. <i>Asian Journal of Plant Sciences</i> , 2005, 4, 562-573.	0.2	25
2960	Variation in Seed Germination, Seedling Growth, Nucleic Acid and Biochemical Component in Canola (<i>Brassica nupus</i> L.) Under Salinity Stress. <i>Asian Journal of Plant Sciences</i> , 2009, 8, 557-561.	0.2	8
2961	Proteomic Analysis of Salinity Stress-responsive Proteins in Plants. <i>Asian Journal of Plant Sciences</i> , 2010, 9, 307-313.	0.2	24
2962	Exogenous Abscisic Acid Enhances Sugar Accumulation in Rice (<i>Oryza sativa</i> L.) under Drought Stress. <i>Asian Journal of Plant Sciences</i> , 2011, 10, 212-219.	0.2	30
2963	Effects of Salinity on Growth and Photosynthesis of Avocado Seedlings. <i>International Journal of Botany</i> , 2006, 3, 78-84.	0.2	11
2964	The Effect of Salinity on Gas Exchange on Different Developmental Stages of Mung Bean (<i>Vigna radiata</i>) Tj ETQq1 1 0.784314 rgBT /Ove 0.2	0.2	6

#	ARTICLE	IF	CITATIONS
2965	Proline Profiles in Aromatic Rice Cultivars Photoautotrophically Grown in Responses to Salt Stress. International Journal of Botany, 2008, 4, 276-282.	0.2	13
2966	Biochemical Mechanisms of Salt Tolerance in Plants: A Review. International Journal of Botany, 2010, 6, 136-143.	0.2	95
2967	Insight into the Role of Antioxidant Enzymes for Salt Tolerance in Plants. International Journal of Botany, 2010, 6, 456-464.	0.2	31
2968	Comparative Leaf Anatomy and Pressure-Volume Analysis in Plants of Ipomoea pes-caprae Experimenting Saline and/or Drought Stress. International Journal of Botany, 2010, 7, 53-62.	0.2	16
2969	Effect of Salinity Stress on Growth, Sugar Content, Pigments and Enzyme Activity of Rice. International Journal of Botany, 2010, 7, 73-81.	0.2	158
2970	Salicornia europea, a Bioaccumulator in Maharloo Salt Lake Region. International Journal of Soil Science, 2005, 1, 75-80.	0.7	4
2971	Re-using Diluted Reverse Osmosis Brine Water on the Growth of Two Varieties of Onion (Allium cepa) Tj ETQq0 0 0 rgBT /Overlock 10 TF	0.7	3
2972	Effect of NaCl on Stomatal Resistance and Proline, Chlorophyll, Na, Cl and K Concentrations of Lentil Plants. Journal of Agronomy, 2007, 6, 378-381.	0.4	68
2973	Salinity Effects on Germination of Forage Sorghumes. Journal of Agronomy, 2010, 9, 169-174.	0.4	5
2974	Salt Stress Effects on the Vegetative Growth of Pleurotus tuberregium (FR) Sing. Journal of Biological Sciences, 2007, 7, 1278-1281.	0.1	9
2975	Effects of Salinity on Gas Exchange and Nutrients Uptake in Avocados. Journal of Biological Sciences, 2007, 7, 496-505.	0.1	13
2976	Accumulation and Role of Ions (Ca ²⁺ , Mg ²⁺ , SO ₄ ²⁻) on Salt Tolerance in Triticum turgidum L.. Journal of Biological Sciences, 2007, 8, 143-148.	0.1	10
2977	Foliar Application with Riboflavin (Vitamin B2) Enhancing the Resistance of Hibiscus sabdariffa L. (Deep) Tj ETQq0 0 0 rgBT /Overlock 10 TF	0.1	26
2978	Effects of Salt Stress on Yield, Yield Components and Carbohydrates Content in Four Hullless Barley (Hordeum vulgare L.) Cultivars. Journal of Biological Sciences, 2009, 9, 909-912.	0.1	20
2979	Effect of Low Phosphorus Stress on Endogenous Hormone Levels of Different Maize Genotypes in Seedling Stage. Journal of Biological Sciences, 2012, 12, 308-314.	0.1	4
2980	Exogenous Glucose and Abscisic Acid Pre-treatment in Indica Rice (Oryza sativa L. spp. indica) Responses to Sodium Chloride Salt Stress. Journal of Plant Sciences, 2007, 2, 141-152.	0.2	8
2981	Salinity Induced Programmed Cell Death in Plants: Challenges and Opportunities for Salt-tolerant Plants. Journal of Plant Sciences, 2010, 5, 376-390.	0.2	26
2982	An Analysis of Leaf Growth under Osmotic Stress. Journal of Plant Sciences, 2010, 5, 391-401.	0.2	9

#	ARTICLE	IF	CITATIONS
2983	Response of Tomato Plant Under Salt Stress: Role of Exogenous Calcium. <i>Journal of Plant Sciences</i> , 2015, 10, 222-233.	0.2	33
2984	Amiloride Inhibition of Vacuolar Na ⁺ /H ⁺ Antiporter Enhance Salt Stress in <i>Zea mays</i> L. Seedlings. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 2020-2024.	0.2	1
2985	Germination and Seedling Growth in Grasspea (<i>Lathyrus sativus</i>) Cultivars under Salinity Conditions. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 273-279.	0.2	26
2986	Efficacy of Dietetics in Low Resource Communities: Dietary Intake and BMI of Type 2 Diabetics Living in Karachi Before and After Receiving Dietician's Guidance. <i>Pakistan Journal of Biological Sciences</i> , 2008, 11, 1324-1329.	0.2	3
2987	Antioxidant Responses of Two Barley Varieties to Saline Stress. <i>Pakistan Journal of Biological Sciences</i> , 2008, 11, 905-909.	0.2	7
2988	Effects of NaCl Stress on Antioxidative Enzymes of <i>Glycine Soja sieb.</i> <i>Pakistan Journal of Biological Sciences</i> , 2009, 12, 510-513.	0.2	6
2989	Effect of Salinity Stress on Shoot <i>Musa acuminata</i> L. Barangan Cultivar in vitro Culture. <i>Pakistan Journal of Biological Sciences</i> , 2019, 22, 201-205.	0.2	1
2990	Salt Stress Alleviation in Field Crops Through Nutritional Supplementation of Silicon. <i>Pakistan Journal of Nutrition</i> , 2012, 11, 735-753.	0.2	12
2991	Protein Profiles in Response to Salt Stress in Seeds of <i>Brassica napus</i> . <i>Research Journal of Environmental Sciences</i> , 2009, 3, 225-231.	0.5	3
2992	Citrus Rootstocks Response to Salinity: Physio-biochemical Parameters Changes. <i>Research Journal of Environmental Sciences</i> , 2014, 8, 29-38.	0.5	5
2993	Differential responses to salt-induced oxidative stress in three phylogenetically related plant species: <i>Arabidopsis thaliana</i> (glycophyte), <i>Thellungiella salsuginea</i> and <i>Cakile maritima</i> (halophytes). Involvement of ROS and NO in the control of K ⁺ /Na ⁺ homeostasis. <i>AIMS Biophysics</i> , 2016, 3, 380-397.	0.3	12
2994	A User-Friendly Theoretical Mathematical Model for the Prediction of Food Safety in a Food Production Chain. <i>Journal of Food Processing & Technology</i> , 2015, 06, .	0.2	2
2995	Water Stress Effects on Leaf Growth and Chlorophyll Content but Not the Grain Yield in Traditional Rice (<i>Oryza sativa</i> Linn.) Genotypes of Assam, India II. Protein and Proline Status in Seedlings under PEG Induced Water Stress. <i>American Journal of Plant Sciences</i> , 2012, 03, 971-980.	0.3	82
2996	Metapontum Forest Reserve: Salt Stress Responses in <i>Pinus halepensis</i> . <i>American Journal of Plant Sciences</i> , 2013, 04, 674-684.	0.3	2
2997	Response of Salt-Tolerant Rice Varieties to Biocompost Application in Sodic Soil of Eastern Uttar Pradesh. <i>American Journal of Plant Sciences</i> , 2014, 05, 7-13.	0.3	7
2998	Growth, Physiological and Molecular Responses of Cotton (<i>Gossypium arboreum</i> L.) under NaCl Stress. <i>American Journal of Plant Sciences</i> , 2014, 05, 605-614.	0.3	6
2999	<i>Oryza</i> Wild Species: An Alternative for Rice Breeding under Abiotic Stress Conditions. <i>American Journal of Plant Sciences</i> , 2018, 09, 1093-1104.	0.3	15
3000	Some Mechanism Seaweeds Employ to Cope with Salinity Stress in the Harsh Euhaline Oceanic Environment. <i>American Journal of Plant Sciences</i> , 2018, 09, 1191-1211.	0.3	16

#	ARTICLE	IF	CITATIONS
3001	Influence of Selenium on Growth, Antioxidants Production and Physiological Parameters of Rice (<i>Oryza sativa</i> L.) Seedlings and Its Possible Reversal by Coapplication of Sulphate. American Journal of Plant Sciences, 2019, 10, 2236-2278.	0.3	12
3002	Ameliorate salinity effect through sulphur application and its effect on some soil and plant characters under different water quantities. Agricultural Sciences, 2013, 04, 39-47.	0.2	11
3003	Effect of Plant Growth Stimulants on Alfalfa Response to Salt Stress. Agricultural Sciences, 2017, 08, 267-291.	0.2	13
3004	A Review on Plant Responses to Soil Salinity and Amelioration Strategies. Open Journal of Soil Science, 2019, 09, 219-231.	0.3	23
3005	EFEITO DA SALINIDADE SOBRE AS PLANTAS. Oecologia Australis, 2008, 12, 662-679.	0.1	39
3006	Molecular Mechanism of Plant Adaption to High Salinity. Journal of Plant Biotechnology, 2005, 32, 1-14.	0.1	9
3007	Lycopersicon Esculentum C2H2-type Zinc Finger Protein Induced by Oxidative Stress Especially. Journal of Plant Biotechnology, 2007, 34, 167-172.	0.1	1
3008	Crescimento inicial e acúmulo de massa seca de cultivares de mamoeiro submetidas à salinidade da água em cultivo hidropônico. Revista Brasileira de Ciências Agrárias, 2013, 8, 435-440.	0.3	7
3010	Effects of Salt Stress on Dry Matter, Glucose, Minerals Content and Composition in Potato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	19
3011	NaCl Effects on <i>In Vitro</i> Germination and Growth of Some Senegalese Cowpea (<i>Vigna</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 26	1.9	26
3012	Morpho-physiological response of <i>Acacia auriculiformis</i> as influenced by seawater induced salinity stress. Forest Systems, 2016, 25, e071.	0.1	15
3013	NaCl tolerance in maize (<i>Zea mays ssp. mays</i>) x <i>Tripsacum dactyloides</i> L. hybrid calli in regenerated plants. Spanish Journal of Agricultural Research, 2003, 1, 59.	0.3	11
3014	Survival percentage, photosynthetic abilities and growth characters of two indica rice (<i>Oryza sativa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	19
3015	Construction and Differential Screening of a cDNA Library Specific to Osmotic Stress of <i>Haloxylon ammodendron</i> Seedlings. BMB Reports, 2004, 37, 527-532.	1.1	2
3016	Enhanced Antioxidant Enzymes Are Associated with Reduced Hydrogen Peroxide in Barley Roots under Saline Stress. BMB Reports, 2005, 38, 218-224.	1.1	128
3017	Molecular Cloning, Characterization and Expression of a Novel Trehalose-6-phosphate Synthase Homologue from <i>Ginkgo biloba</i> . BMB Reports, 2006, 39, 158-166.	1.1	8
3018	A novel <i>CaAbs1</i> gene induced by early-abiotic stresses in pepper. BMB Reports, 2008, 41, 86-91.	1.1	3
3019	Characterization of full-length enriched expressed sequence tags of dehydration-treated white fibrous roots of sweetpotato. BMB Reports, 2009, 42, 271-276.	1.1	13

#	ARTICLE	IF	CITATIONS
3020	Expression of dehydration responsive element-binding protein-3 (DREB3) under different abiotic stresses in tomato. <i>BMB Reports</i> , 2009, 42, 611-616.	1.1	38
3021	Sodium Nitroprusside Mitigates the Inhibitory Effect of Salt and Heavy Metal Stress on Lupine Yield and Downregulates Antioxidant Enzyme Activities. <i>Acta Agrobotanica</i> , 2020, 73, .	1.0	11
3022	Dynamics and occurrence patterns of the Tatarian orache <i>Atriplex tatarica</i> L. (Chenopodiaceae) at the roadsides in Warsaw, Poland. <i>Acta Societatis Botanicorum Poloniae</i> , 2011, 79, 249-254.	0.8	4
3023	Role of silicon in plant resistance to water stress. <i>Journal of Elementology</i> , 2012, , .	0.0	33
3024	Abiotic Stress Response in Plants - Physiological, Biochemical and Genetic Perspectives. , 2011, , .		23
3025	Salt Stress in Vascular Plants and Its Interaction with Boron Toxicity. , 0, , .		1
3026	Salinity Dependent Photosynthetic Response and Regulation of Some Enzymes in Halophytes from Indian Sundarbans. , 0, , .		1
3027	Abiotic Stress - Plant Responses and Applications in Agriculture. , 2013, , .		54
3031	Effect of salt stress on growth, gas exchange attributes and chlorophyll contents of pea (<i>Pisum</i>) Tj ETQqO 0 0 rgBT /Qverlock_10 Tf 50 4.	0.2	3
3035	Differential responses to salinity stress of two varieties (CoC 671 and Co 86032) of sugarcane (<i>Saccharum Officinarum</i> L.). <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	3
3036	Identification of GPD1 gene from yeast via fluorescence differential display-polymerase chain reaction (FDD-PCR). <i>African Journal of Biotechnology</i> , 2012, 11, .	0.3	4
3039	Physiologic responses of precocious dwarf cashew at different levels of salinity. <i>Revista Ciencia Agronomica</i> , 2010, 41, .	0.1	9
3040	Characterization of abiotic stress-responsive RD29B and RD17 genes in different poplar clones. <i>Topola</i> , 2020, , 13-20.	0.5	2
3041	Biochemical Modifications and Enhancement of Psoralen Content in Salt-Stressed Seedlings of <i>Psoralea corylifolia</i> Linn.. <i>Journal of Functional and Environmental Botany</i> , 2012, 2, 65.	0.1	19
3042	Variation in Carbohydrate Accumulation in Two Cultivars of Mustard and its Association with Salt Tolerance. <i>Journal of Functional and Environmental Botany</i> , 2013, 3, 94.	0.1	4
3043	Tuz stresi altındaki biber (<i>Capsicum Annuum</i> L.) bitkisinde bazı organik ve inorganik bileşenlerin antioksidatif sisteme etkileri. <i>Anadolu Journal of Agricultural Sciences</i> , 2017, 32, 121-121.	0.3	9
3044	Comparative proteome analysis of <i>Picrorhiza kurroa</i> Royle ex benth. in response to drought. <i>Journal of Proteome Science and Computational Biology</i> , 2014, 3, 2.	1.0	10
3045	Expression analysis of photosynthesis genes in <i>Dunaliella salina</i> grown at different NaCl concentrations. <i>Journal of Applied Biology & Biotechnology</i> , 0, , .	1.4	1

#	ARTICLE	IF	CITATIONS
3046	In Vitro Screening of <i>Catharanthus Roseus</i> L. Cultivars for Salt Tolerance Using Physiological Parameters. <i>International Journal of Environmental Science and Development</i> , 0, , 24-30.	0.2	5
3047	Ameliorative Effects of Potassium on the Salinity Stress in Plants: A Review. <i>Asian Journal of Soil Science and Plant Nutrition</i> , 0, , 1-15.	0.2	4
3048	Halophytic crops: A resource for the future & to reduce the water crisis?. <i>Emirates Journal of Food and Agriculture</i> , 2011, 23, 01.	1.0	80
3049	Differential Expression Screening of Defense Related Genes in Dormant Buds of Cold-Treated Grapevines. <i>Plant Breeding and Biotechnology</i> , 2013, 1, 14-23.	0.3	4
3050	Overexpression of <i>AtSZF2</i> from <i>Arabidopsis</i> Showed Enhanced Tolerance to Salt Stress in Soybean. <i>Plant Breeding and Biotechnology</i> , 2017, 5, 1-15.	0.3	20
3051	Root Development and Anti-Oxidative Response of Rice Genotypes under Polyethylene Glycol Induced Osmotic Stress. <i>Plant Breeding and Biotechnology</i> , 2020, 8, 151-162.	0.3	5
3052	AhABI4s Negatively Regulate Salt-Stress Response in Peanut. <i>Frontiers in Plant Science</i> , 2021, 12, 741641.	1.7	12
3053	Plants Saline Environment in Perception with Rhizosphere Bacteria Containing 1-Aminocyclopropane-1-Carboxylate Deaminase. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11461.	1.8	17
3055	Comparative physiological and transcriptomic analysis reveals salinity tolerance mechanisms in <i>Sorghum bicolor</i> (L.) Moench. <i>Planta</i> , 2021, 254, 98.	1.6	7
3056	Genetic loci associated with winter survivorship in diverse lowland switchgrass populations. <i>Plant Genome</i> , 2021, 14, e20159.	1.6	5
3057	Silicon-based additive on heavy metal remediation in soils: Toxicological effects, remediation techniques, and perspectives. <i>Environmental Research</i> , 2022, 205, 112244.	3.7	33
3058	Differential Association of Free, Conjugated, and Bound Forms of Polyamines and Transcript Abundance of Their Biosynthetic and Catabolic Genes During Drought/Salinity Stress in Tomato (<i>Solanum lycopersicum</i> L.) Leaves. <i>Frontiers in Plant Science</i> , 2021, 12, 743568.	1.7	8
3059	Salinity tolerance of lentil is achieved by enhanced proline accumulation, lower level of sodium uptake and modulation of photosynthetic traits. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 40-52.	1.7	8
3060	Qualitative and quantitative analysis of diosmin content of hyssop (<i>Hyssopus officinalis</i>) in response to salinity stress. <i>Heliyon</i> , 2021, 7, e08228.	1.4	3
3065	Molecular Markers and Abiotic Stresses. , 2002, , 203-237.		1
3066	ATPP2CA Negatively Regulates ABA Responses during Cold Acclimation and Interacts with the Potassium Channel AKT3. , 2002, , 55-62.		0
3067	Plants and Environmental Stress Adaptation Strategies. , 2002, , .		0
3068	Functional Genomics of Plant Abiotic Stress Tolerance. , 2003, , .		1

#	ARTICLE	IF	CITATIONS
3069	Agriculture, Forestry and Fisheries. , 2004, , 175-193.		69
3070	Molecular Bases of Plant Adaptation to Abiotic Stress and Approaches to Enhance Tolerance to Hostile Environments. , 0, ,		1
3071	Crescimento e produo de duas cultivares de algodo irrigadas com guas salinizadas. Revista Brasileira De Engenharia Agricola E Ambiental, 2005, 9, 108-111.	0.4	4
3072	Variedades de bananeira tratadas com gua salinizada em fase inicial de crescimento. Revista Brasileira De Engenharia Agricola E Ambiental, 2005, 9, 31-36.	0.4	6
3073	Effects of NaCl Addition and Aeration Frequency of the Nutrient Solution on the Growth and Transpiration of Cucumber Plants Grown in a Glasshouse and a Growth Chamber. Environmental Control in Biology, 2006, 44, 293-300.	0.3	1
3074	Assessment of Genetic Variations and Growth/Yield Performance of Some Egyptian and Yemeni Wheat Cultivars Under Saline Condition. Egyptian Academic Journal of Biological Sciences H Botany, 2006, 7, 9-26.	0.1	2
3075	Changes in ROS-Scavenging Enzyme Activity in Rice (<i>Oryza sativa</i> L.) Exposed to High Salinity. Journal of Ecology and Environment, 2007, 30, 307-314.	1.6	0
3076	Salinity and Temperature Effects on CO ₂ Assimilation in Leaves of Avocados. American Journal of Plant Physiology, 2007, 3, 40-49.	0.2	0
3077	Corrigendum to: Protection mechanisms in the resurrection plant <i>Xerophyta viscosa</i> : cloning, expression, characterisation and role of XvINO1, a gene coding for a myo-inositol 1-phosphate synthase. Functional Plant Biology, 2008, 35, 171.	1.1	2
3078	Relationship between Changes of Na ⁺ , K ⁺ , and Ca ²⁺ Contents during Seed Germination and Salt Tolerance in Maize. Acta Agronomica Sinica(China), 2008, 34, 333-336.	0.1	1
3079	Phylogenetic Relationships of Wildlife Order Carnivora in Thailand Inferred from the Internal Transcribed Spacer Region. Journal of Biological Sciences, 2008, 8, 278-287.	0.1	3
3080	Expressing the Tyrosine Phosphatase (CaTPP1) Gene from <i>Capsicum annuum</i> in Tobacco Enhances Cold and Drought Tolerances. Journal of Applied Biological Chemistry, 2008, 51, 50-56.	0.2	0
3081	Isolation of candidate genes for tolerance of abiotic stresses. , 2008, , 345-363.		0
3082	Effect of <i>R. leguminisarum</i> Pre-incubated with Inducers, Naringenin and Methyl-jasmonate, on Nitrogen Fixation and the Growth of Pea at Different Salinity Levels. Korean Journal of Environmental Agriculture, 2008, 27, 362-367.	0.0	1
3083	Responses of Cereal Plants to Environmental and Climate Changes  A Review. , 2009, , 91-119.		2
3084	Effects of Exogenous Nitric Oxide Donor SNP on Contents of Chlorophyll and Free Proline, Activity of Antioxidative Enzyme in Rice Seedlings under NaCl Stress. Acta Agronomica Sinica(China), 2009, 34, 1849-1853.	0.1	0
3085	Increase of the D-chiro-inositol and D-Pinitol Contents by Abiotic Stress in the Buckwheat Seedlings. Journal of Life Science, 2009, 19, 1456-1462.	0.2	3
3086	SALT TOLERANCE (STO), A STRESS-RELATED PROTEIN IN ARABIDOPSIS HAS A MAJOR ROLE UNDER OTHER STRESS CONDITIONS. Journal of Plant Production, 2009, 34, 10103-10113.	0.0	0

#	ARTICLE	IF	CITATIONS
3087	Stress und Stressresistenz. , 2010, , 583-616.		0
3088	Stress und Stressresistenz. , 2010, , 583-616.		0
3089	Effect of inland salt-affected soil on physiological and growth characters of Eucalypt tree (Eucalyptus camaldulensis Dehnh.)
. Emirates Journal of Food and Agriculture, 2010, 22, 466.	1.0	1
3090	Possible Roles of the Leaves of Two Paspalum Species in Salinity Tolerance. Asian Journal of Plant Sciences, 2010, 9, 94-98.	0.2	3
3091	Difference of Salt Tolerance of Four Halophytes in Salinized Desert in the Junggar Basin. Arid Zone Research, 2010, 27, 97-101.	0.1	1
3092	RESPONSE OF RICE AND ASSOCIATED WEEDS TO BIOREGULATOR (BIO HORM) SPRAY AND WEED MANAGEMENT IN SALINITY SOIL. Arab Universities Journal of Agricultural Sciences, 2010, 18, 123-134.	0.0	1
3093	Responses of Photosynthetic Efficiency and Ascorbate Peroxidase Induced by Salt Stress in Rice (Oryza Tj ETQq0 0,0,rgBT /Qyerlock 10	0.2	7
3094	Respuesta fotosintÃ©tica de diferentes ecotipos de frÃ©jol a la radiaciÃ³n y la salinidad. Ciencia Tecnologia Agropecuaria, 2014, 10, 129-140.	0.3	1
3095	Salt Tolerance in MungbeanVigna radiata[L.] Genotypes: Role of Proline and Glycinebetaine. Journal of Functional and Environmental Botany, 2011, 1, 139.	0.1	3
3096	Biochemical and molecular changes in buckwheat leaves during exposure to salt stress. Archives of Biological Sciences, 2011, 63, 67-77.	0.2	5
3097	Expression of some water stress-induced genes in the seedlings of Arabidopsis thaliana grown under conditions of moderate water deficit. Biopolymers and Cell, 2011, 27, 59-65.	0.1	0
3098	EFFECTO DE LA SALINIDAD EN DOS PORTAINJERTOS DE VID CULTIVADOS A PIE FRANCO O INJERTADOS. Revista Fitotecnia Mexicana, 2011, 34, 43.	0.0	0
3099	Osmolyte Accumulation of <I>Armeniacavulgaris</I> under Continuous Drought Stress. Arid Zone Research, 2011, 28, 126-132.	0.1	0
3100	Effect of Difference in Soil Salinity, Compost and Additional Fertilizer on the Grain Yield and Yield Components of Wheat in the Newly Reclaimed Tidal Lands in Korea. Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe, 2011, 44, 752-761.	0.1	0
3101	Co adaptation of LiCl tolerant Solanum tuberosum L. callus cultures to NaCl stress. African Journal of Biotechnology, 2011, 10, .	0.3	1
3102	Zinc, nitrogen and salinity interaction on agronomic traits and some qualitative characteristic of canola. African Journal of Biotechnology, 2011, 10, .	0.3	0
3103	Differential nitrate accumulation, nitrate reduction, nitrate reductase activity, protein production and carbohydrate biosynthesis in response to potassium and sodium nitrate. African Journal of Biotechnology, 2011, 10, .	0.3	3
3104	Methylation sensitive amplified polymorphism (MSAP) reveals that alkali stress triggers more DNA hypomethylation levels in cotton (Gossypium hirsutum L.) roots than salt stress. African Journal of Biotechnology, 0, , .	0.3	0

#	ARTICLE	IF	CITATIONS
3105	Respuesta fisiológica del cultivo de remolacha (<i>Beta vulgaris</i> L.) bajo condiciones de un sustrato salino en Madrid, Cundinamarca. <i>Inventum Ingenieria, Tecnología E Investigaci3n</i> , 2012, 7, 7-12.	0.0	0
3106	SALINITY STRESS IN AGRICULTURAL LAND: CHALLENGES AND OPPORTUNITIES. , 2012, , 134-151.		0
3107	Desempenho de sementes nuas e revestidas de azev3m-anual em condi3es de estresse salino. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 1093-1099.	0.3	0
3108	Cellular Mechanisms of Environmental Adaptation: Learning from Non-Arabidopsis Model Species. <i>Progress in Botany Fortschritte Der Botanik</i> , 2013, , 137-151.	0.1	0
3109	Morphophysiological Plasticity in a Wheat Variety in Response to NaCl Stress and its Alleviation by Exogenous Abscisic Acid. <i>Pakistan Journal of Biological Sciences</i> , 2012, 16, 31-37.	0.2	0
3110	Plant Response to Saline-Water Irrigation in a Sicilian Vineyard. , 2013, , 419-435.		0
3111	Thermostability of chlorophylls in some native species of xerophytes. <i>IOSR Journal of Agriculture and Veterinary Science</i> , 2013, 6, 54-65.	0.1	2
3112	Screening Differential Expressions of Defense-related Responses in Cold-treated 'Kyoho' and 'Campbell Early' Grapevines. <i>Horticultural Science and Technology</i> , 2013, 31, 275-281.	0.9	0
3113	Crescimento inicial de arb3reas nativas em solo salino-s3dico do nordeste brasileiro tratado com corretivos. <i>Revista Ceres</i> , 2013, 60, 388-396.	0.1	11
3115	Bi-Factorial Interactive Effects of Osmotic Potential and Lead on the Content of Na ⁺ , K ⁺ and Pb ²⁺ Ions in Three Cultivars of <i>Triticumaestivum</i> L.. <i>Open Access Library Journal (oalib)</i> , 2014, 01, 1-11.	0.1	1
3116	Halophytes and Salt Stress: Histo-Anatomical Features in Halophytes – Formative Effect, Adaptation or a Simple Response to an Intensely Abiotic Factor?. , 2014, , 39-43.		1
3117	Salt Stress and Sugar Beet Improvement: Challenges and Opportunities. , 2014, , 121-150.		2
3118	Growth and Physiological Response of <i>Jatropha</i> Interspecific Hybrid (<i>Jatropha curcas</i> x <i>J. integerrima</i>) under Salt Stress. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2014, 4, 54.	0.2	0
3119	Adenosine Triphosphatase Activities of <i>Zea Mays</i> and <i>Vigna unguiculata</i> Exposed to Different Crude Oil Fractions. <i>International Journal of Biochemistry Research & Review</i> , 2014, 4, 505-516.	0.1	1
3120	Effects of steeping condition and salinity stress on quality properties in germinated black soybean. <i>Korean Journal of Food Preservation</i> , 2014, 21, 500-505.	0.2	0
3121	Reactions of corn cell cultures during hard osmotic stresses action. <i>Faktori Eksperimental Noi Evolucii Organizmiv</i> , 0, 21, 178-182.	0.0	1
3123	Tuz Stresi Altındaki Bitkilerin Metabolik Yollarındaki Proteom Değişimleri. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 2014, 3, .	0.1	0
3124	Effects of NaCl, CaCl ₂ and their Combination of Salt on Seed Germination and Seedling Growth of <i>Lycopersicum esculentum</i> L.. <i>International Letters of Natural Sciences</i> , 0, 22, 1-15.	1.0	0

#	ARTICLE	IF	CITATIONS
3125	Influência do potencial hídrico induzido por polietilenoglicol in vitro na morfologia do trigo. Revista Brasileira de Ciências Agrárias, 2014, 9, 370-375.	0.3	0
3126	Integration of Ethylene and Gibberellin Signaling. , 2015, , 153-173.		2
3127	STIMULATION GROWTH AND PRODUCTIVITY OF Cucurbita moschata UNDER RECLAIMED SALINE SOIL CONDITION BY USING SULPHUR SOIL APPLICATION AND ASCORBIC ACID FOLIAR SPRAY. Journal of Plant Production, 2014, 5, 1703-1715.	0.0	1
3128	Establecimiento de un protocolo in vitro para el cultivo del ajo (Allium sativum) en Costa Rica. Tecnológica En Marcha, 2014, 27, 49.	0.1	0
3130	Development of SCAR Markers Linked to Cold Resistance for Marker-assisted Selection of Grapevines. Journal of Agriculture & Life Science, 2014, 48, 75-86.	0.1	2
3131	Selection of Salt Tolerant Somaclones for Development of Salt Stress Tolerant Varieties. Plant, 2015, 3, 37.	0.1	2
3132	Some Growth Promoting Essential Mineral Elements Alleviates The Salinity Effect on Nitrate Reductase and Hill Reaction Activities in Cotton (Gossypium hirsutum) cv. "CIM 496". Journal of Plant Sciences (Science Publishing Group), 2015, 3, 54.	0.1	2
3133	NaCl as a physiological modulator of synthesis of compatible solutes and antioxidant potential in sangam (Clodendron inerme L.). Journal of Plant Stress Physiology, 2015, 1, 26.	0.1	0
3134	Protein Profile Changes of Two Chinese Fir Genotypes under Short-term Water Deficit. , 2015, , .		0
3135	Comparative Adaptability Assessment of Two Mangroves from Indian Sundarbans: Some Biochemical Appearances. Natural Science, 2015, 07, 519-534.	0.2	0
3136	Content of sodium ions in the tissues of Crimean flora halophytes depending on the varying degree of salinity. Vĭsnyk Dnĭpropetrovs'kogo Unĭversitetu: Serĭya Biologĭi, Ekologĭi, 2015, 23, 44-49.	0.1	0
3139	Salt tolerance and proline accumulation of potato (Solanum tuberosum L.) in vitro plants to NaCl treatment. Journal of Plant Biotechnology, 2015, 42, 129-134.	0.1	0
3140	Chemical Characteristics of Cell Wall in Pinus thunbergii Parl. Grown with High Salinity. Palpu Chongi Gisul/Journal of Korea Technical Association of the Pulp and Paper Industry, 2015, 47, 144-150.	0.1	1
3141	Composition of Fatty Acids due to Salinity in the Root of in vitro Culture of Musa acuminata L. Planlets of Barangan Cultivars. Asian Journal of Biochemistry, 2015, 10, 312-317.	0.5	0
3142	Differential Expression of Cyclophilin1 and Cyclophilin2 Genes under Salinity Stress in Some Native Rice Cultivars of North Kerala, India. International Journal of Plant Breeding and Genetics, 2015, 10, 1-11.	0.3	0
3143	Increasing crop productivity in coastal areas by proper management of potassium fertilizers. Progressive Agriculture, 2015, 26, 115-121.	0.4	1
3144	Traits for Testing, Screening, and Improving Salt Tolerance of Durum Wheat Genetic Resources. , 2016, , 243-257.		0
3146	P5CS and HSP 81-2 Gene Expression Profile of Banana (Musa acuminata) in vitro Culture Under Salt Stress Condition. Journal of Plant Sciences, 2016, 11, 91-95.	0.2	1

#	ARTICLE	IF	CITATIONS
3147	Adaptive Strategies of Tropical Forage Grasses to Low Phosphorus Stress: The Case of <i>Brachiaria</i> Grasses. , 2016, , 1141-1174.		2
3148	Proline and sucrose contents in corn calli cultures under simulating osmotic stresses. <i>Fiziologia Rastenij I Genetika</i> , 2016, 48, 140-145.	0.1	1
3149	Evaluation of Spring wheat Cultivars for Physiological, Morphological and Agronomic Traits under Drought Stress. <i>Journal of Crop Breeding</i> , 2016, 8, 64-77.	0.4	16
3150	Free prolin content in <i>Arabidopsis thaliana</i> Cat2 and Cat3 knockout mutants under salt stress. <i>Visnik Ukrains Kogo Tovaristva Genetikiv I Selekcioneriv</i> , 2016, 14, 3-7.	0.4	3
3151	Adoption behaviour and constraints in wheat production technologies in saline area of Gir Somnath district of Gujarat. <i>International Journal of Forestry and Crop Improvement</i> , 2016, 7, 52-56.	0.1	0
3152	Morpho-physiological Modulations in Rice (<i>Oryza sativa</i>) by Foliar Application of Phospholipase-C Inhibitor Neomycine under Saline Conditions. <i>International Journal of Agriculture and Biology</i> , 2016, 18, 710-718.	0.2	0
3153	Marine Fungal Genomics: <i>Trichoderma</i> . , 2016, , 59-84.		0
3154	Chapter 1 Environmental Stress and Stress Biology in Plants. , 2016, , 1-38.		0
3155	Effects of CaCl ₂ , on Gas Exchange and Stomatal Responses in the Leaves of <i>Prunus serrulata</i> . <i>Hangug Nimhag Hoi Ji</i> , 2016, 105, 303-308.	0.1	2
3156	Effect of Silicon Foliar Sprays Combined with Moringa Leaves Extract on Yield and Fruit Quality of "Flame Seedless" Grape (<i>Vitis vinifera</i> L.). <i>Journal of Plant Production</i> , 2016, 7, 1127-1135.	0.0	2
3157	Chapter 1 Environmental Stress and Stress Biology in Plants. , 2016, , 1-38.		0
3158	Effects of Salinity on Warm-season Turfgrass Species Collected in a Mediterranean Environment. <i>Journal of Agronomy</i> , 2016, 16, 45-50.	0.4	0
3159	Tolerance to Salt Stress by Plant Growth-Promoting Rhizobacteria on <i>Brassica rapa</i> var. <i>glabra</i> . <i>Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe</i> , 2016, 49, 776-782.	0.1	1
3160	The content of polyphenolic compounds in the <i>Arabidopsis thaliana</i> knockout mutant Cat2 under salt stress. <i>Visnik Ukrains Kogo Tovaristva Genetikiv I Selekcioneriv</i> , 2017, 14, 174-177.	0.4	0
3161	Promotion and Value Addition to Some Important Medicinal Plants Under Saline Condition by Intervention of a Novel Mycorrhizal Formulation. , 2017, , 247-272.		0
3162	Influence of Genotype, Salinity, Sulfur Treatments and Planting Container Size on Growth, Yield and Incidence of Gray Mold in Broccoli Plants with Propolis Extract as Disease Control Treatment. <i>Hortscience Journal of Suez Canal University</i> , 2017, 6, 51-63.	0.1	0
3163	Potentialities of Proteomics for Generating Abiotic Stress Tolerant Crop Species. , 2017, , 421-442.		0
3164	Evaluation of Endogenous Gene Validation: An Important Contrivance for Differential Gene Study in Pearl Millet. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017, 6, 476-480.	0.0	0

#	ARTICLE	IF	CITATIONS
3165	Growth of <i>Chenopodium quinoa</i> Wild under Naturally Salt Affected Soils. , 2017, 4, 116-119.		0
3166	Changes in Yield and Chloroplast Mg ²⁺ -ATPase Activity of Wheat (<i>Triticum aestivum</i> L.) in Response to Soil Salinity and Nutrient Supply. Alexandria Science Exchange, 2017, 38, 284-293.	0.0	0
3167	EFFECT OF SALINITY ON GROWTH AND PROTEIN CONTENT OF RICE GENOTYPES. Journal of Advances in Agriculture, 2017, 7, 1057-1063.	0.1	0
3168	GSTF1 gene expression at local Albanian wheat cultivar Dajti under salinity and heat conditions. The EuroBiotech Journal, 2017, 1, 253-257.	0.5	2
3169	Integrated Application of Proline or Potassium in Alleviating the Adverse Effects of Irrigation Interval on Wheat Plants. Journal of Plant Production, 2017, 8, 1045-1054.	0.0	1
3170	Effect of Salt Stress on Seed Germination, Shoot and Root Length in Basil (<i>Ocimum basilicum</i>). International Journal of Secondary Metabolite, 0, , 69-76.	0.5	13
3171	The Use of Spectroanalytical Techniques in Detecting the Heavy Metal and Salinity in <i>Solanum tuberosum</i> (cv. Kufri Bahar) During Indoor Study. , 2018, , 43-49.		0
3172	Evaluation of different wheat cultivars under salinity stress. Journal of Applied and Natural Science, 2018, 10, 479-481.	0.2	1
3173	Screening of cotton genotypes against salinity stress based on its physiological and biochemical responses. Agriculture Update, 2018, 13, 128-138.	0.0	0
3174	Adverse Soil Mineral Availability. , 2019, , 203-256.		1
3175	ISOLATION AND SEQUENCE ANALYSIS OF A NOVEL PARTIAL VACUOLAR Na ⁺ /H ⁺ ANTIporter cDNA FROM <i>Capparis orientalis</i> , <i>Lycium shawii</i> AND <i>Zygophyllum album</i> . Egyptian Journal of Genetics and Cytology, 2018, 46, 235-252.	0.1	0
3176	In vitro saline sodic status of <i>Camelina sativa</i> cv. Blaine creek. Horticulture International Journal, 2018, 2, .	0.2	0
3178	EFFECTS OF TIME COURSE SALICYLIC ACID ON THE ANTIOXIDANT DEFENSE SYSTEM IN BARLEY ROOTS UNDER SALT STRESS. Anadolu University Journal of Science and Technology - C Life Sciences and Biotechnology, 0, , 1-1.	0.0	0
3179	Effects of Electro-conductivity on Growth of Beet and Turnip in the Reclaimed Land Soil. Korean Journal of Environmental Agriculture, 2018, 37, 197-206.	0.0	5
3180	Cell selection with heavy metal ions for obtaining wheat and maize forms tolerant to osmotic stresses. Faktori Eksperimental Noi Evolucii Organizmiv, 0, 22, 318-322.	0.0	0
3181	Baz Tarla Bitkilerinin Tuz Stresine Gsterdikleri Adaptasyon Mekanizmalar. Kahramanmaraş S1/4t1/4 S1/4m1/4 1/4 Aoeniversitesi Tarlam Ve DoYa Dergisi, 2018, 21, 800-808.	0.2	10
3183	Morphogenetic Studies of Some Genotypes of Onion (<i>Allium cepa</i> L.) In Jos, Nigeria. Sustainable Agriculture Research, 2019, 8, 33.	0.2	1
3184	Biochemical and Molecular Mechanism of Salinity Stress Tolerance in Plants. International Journal of Current Microbiology and Applied Sciences, 2018, 7, 2702-2707.	0.0	0

#	ARTICLE	IF	CITATIONS
3185	An Enigma in the Genetic Responses of Plants to Salt Stresses. , 2019, , 105-132.		0
3186	Cadmium Stress Tolerance in Plants and Role of Beneficial Soil Microorganisms. <i>Microorganisms for Sustainability</i> , 2019, , 213-234.	0.4	2
3187	Role of Signaling Pathways in Improving Salt Stress in Plants. , 2019, , 183-211.		1
3188	Plants Growing Under Salinity Stress Can Be Eased Through Mycorrhizal Association. , 2019, , 237-248.		1
3189	Salt-Induced Changes in Growth and Damage Avoidance Mechanisms of Hydroponically Grown Chinese Kale (<i>Brassica alboglabra</i> L.). <i>Tasks for Vegetation Science</i> , 2019, , 99-111.	0.6	0
3190	Seed Priming-Mediated Improvement of Plant Morphophysiology Under Salt Stress. , 2019, , 205-217.		2
3191	Molecular Interventions to Ameliorate Environmental Stresses in Orchids. <i>Energy, Environment, and Sustainability</i> , 2019, , 449-474.	0.6	2
3192	Mechanisms and Molecular Approaches for Salt Tolerance Enhancement. , 2019, , 213-236.		0
3193	Application of Microbial Biotechnology in Improving Salt Stress and Crop Productivity. , 2019, , 133-159.		3
3194	Effects of exogenous abscisic acid on seed germination and morphological characteristics of two related wheats <i>Triticum aestivum</i> L. and <i>Triticum spelta</i> L.. <i>Fiziologia Rastenij I Genetika</i> , 2019, 51, 55-66.	0.1	2
3195	Evaluation of cold response in <i>Ilex paraguariensis</i> . <i>Journal of Plant Science and Phytopathology</i> , 2019, 3, 009-012.	0.4	0
3196	Tuzlu koÅYullarda mikoriza uygulamasÄ±nÄ±n kapyra biberde (<i>Capsicum annuum</i> L.) fide geliÅYimi ve antioksidant enzimler Ä½Ä±zerine etkisi. <i>Ege Aceniversitesi Ziraat FakÄ½ltesi Dergisi</i> , 0, , 1-10.	0.1	3
3198	Cell selection with heavy metal ions for obtaining salt tolerant plant cell cultures. <i>Fiziologia Rastenij I Genetika</i> , 2019, 51, 315-323.	0.1	0
3199	Ð'Ñ-Ð³/¼Ñ, ÐµÑ... Ð¹/²Ð³/¼Ð»Ð³/¼Ð³Ñ-Ñ-Ð¿ÑÐµÐ¹/²Ð, Ñ†Ñ-. Ð'Ð¹/¼Ñ-ÑÑ, Ð²Ñ-Ð»ÑCED¹/²Ð³/¼Ð³/¼ Ð¿ÑCED³/¼Ð»Ñ-Ð¹/²Ñf Ð¹/²Ð° Ð¿Ñ/¼	0.0	0
3200	Screening of Egyptian Okra Genotypes for Salinity Tolerance at the Seedling Stage. <i>Poly(amino) Tj ETQq0 0 0 rgBT /Overlock 0 Tf 50 18</i>	0.1	0
3201	Ekinezya (<i>Echinaceae purpurea</i> L.) bitkisinde tuz stresi ve deniz yosunu uygulamalarÄ±nÄ±n bazÄ± fizyolojik parametreler Ä½Ä±zerine etkisinin araÅYtÄ±rÄ±lmasÄ±. <i>Derim</i> , 0, , .	0.4	2
3202	Morpho-Physiological Responses of Quinoa (<i>Chenopodium quinoa</i> Willd.) Varieties to Salinity in a Hydroponic System. <i>American Journal of Plant Physiology</i> , 2019, 15, 41-51.	0.2	1
3203	Evaluation of Seed Yield and Accumulation Status of Sodium, Potassium and Magnesium Ions in Different Tissues of Sensitive and Tolerant Wheat (<i>Triticum aestivum</i> L.) Varieties. <i>Journal of Crop Breeding</i> , 2019, 11, 174-184.	0.4	1

#	ARTICLE	IF	CITATIONS
3204	Ecophysiology and Responses of Plants Under Drought. , 2020, , 231-268.		2
3205	Sustainable Production of Rice Under Sodicy Stress Condition. , 2020, , 65-74.		2
3206	A Prelude of Plant Strategies to Deal with the Peril of Salinity: An Archive of Regulatory Responses. , 2020, , 221-252.		0
3207	Rice Tolerance to Multiple Abiotic Stress: Genomics and Genetic Engineering. , 2020, , 591-615.		2
3208	Halophytes for Utilizing and Restoring Coastal Saline Soils of India: Emphasis on Agroforestry Mode. , 2020, , 481-524.		0
3209	Comparative study of catalase, pyruvate kinase, oxaloacetate decarboxylase, NAD-malate dehydrogenase activities in leaves and activity of H ⁺ pumps in roots of common bean plants exposed to salt stress. <i>Advanced Studies in Biology</i> , 2020, 12, 1-7.	0.2	0
3210	Effect of foliar or soil application of selenium on some morphological and physiological traits of garden pansy (<i>Viola x wittrockiana</i> Gams) grown under salinity stress. <i>Acta Agriculturae Slovenica</i> , 2020, 115, 357.	0.2	2
3211	Physiological Parameters of Salt Tolerance in Different Genotypes of Oats (<i>Avena sativa</i> L.). <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 3041-3050.	0.0	0
3212	Salt Stress Affects Plastid Ultrastructure and Photosynthetic Activity but Not the Essential Oil Composition in Spearmint (<i>Mentha spicata</i> L. var. <i>crispa</i> "Moroccan"). <i>Frontiers in Plant Science</i> , 2021, 12, 739467.	1.7	12
3213	Transcriptome and Metabolome Analyses Reveal Potential Salt Tolerance Mechanisms Contributing to Maintenance of Water Balance by the Halophytic Grass <i>Puccinellia nuttalliana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 760863.	1.7	11
3214	Microbe-Mediated Drought Tolerance in Plants: Current Developments and Future Challenges. <i>Sustainable Development and Biodiversity</i> , 2020, , 351-379.	1.4	9
3215	Transcriptomics in Deciphering Stress Tolerance in Plants. , 2020, , 531-542.		0
3216	Differential Effects of Ammonium and Nitrate on Growth Performance of <i>Glechoma longituba</i> under Heterogeneous Cd Stress. <i>Phyton</i> , 2020, 89, 667-679.	0.4	3
3217	Shoreline Plants of Great Salt Lake. , 2020, , 369-396.		0
3218	Tuz Stresi Altındaki Biberde (<i>Capsicum annuum</i> L.) Mikoriza ve Rizobakteri Uygulamasının Bitki Gelişimi ve Bazı Fizyolojik Parametreler Üzerine Etkisi. <i>Ege Üniversitesi Ziraat Fakültesi Dergisi</i> , 2020, 57, 501-510.	0.1	2
3219	Tuz Stresi Altındaki Mısır Bitkilerinde Eksojen Askorbik Asit Uygulamasının Etkileri. <i>Yuzuncu Yil University Journal of Agricultural Sciences</i> , 0, , 919-927.	0.1	1
3221	A Study Towards the Development of Salt Tolerant Upland Cotton (<i>Gossypium Hirsutum</i> L.). <i>Journal of Natural Fibers</i> , 2022, 19, 4115-4131.	1.7	4
3222	Zinc-induced anti-oxidative defense and osmotic adjustments to enhance drought stress tolerance in sunflower (<i>Helianthus annuus</i> L.). <i>Environmental and Experimental Botany</i> , 2022, 193, 104682.	2.0	29

#	ARTICLE	IF	CITATIONS
3223	Jatropha Plantation in Oman. <i>Environment & Policy</i> , 2020, , 295-311.	0.4	1
3224	Amelioration of salinity stress in transplant Aman rice through application of gypsum. <i>Asian Journal of Crop, Soil Science and Plant Nutrition</i> , 2020, 3, 87-93.	0.2	0
3225	Special Anatomical Features of Halophytes: Implication for Salt Tolerance. <i>Signaling and Communication in Plants</i> , 2020, , 119-135.	0.5	0
3226	Genomics and Biotechnological Approaches in Generating Salinity and Drought Tolerance in Rice. , 2020, , 269-291.		0
3227	Impacts of Abiotic Stresses on Sorghum Physiology. , 2020, , 157-188.		5
3228	Salinity Tolerance in Cotton. , 2020, , 367-391.		2
3229	Rhizobacteria-Mediated Alleviation of Abiotic Stresses in Crops. <i>Microorganisms for Sustainability</i> , 2020, , 531-556.	0.4	0
3230	Salt tolerance enhancement Of wheat (Triticum Asativium L) genotypes by selected plant growth promoting bacteria. <i>AIMS Microbiology</i> , 2020, 6, 250-271.	1.0	8
3231	Summer squash. , 2020, , 239-254.		2
3232	Biodiversity and Possible Utilization of Halophytes in Qatar. , 2020, , 1-23.		0
3233	Coping with Saline Environment: Learning from Halophytes. , 2020, , 199-230.		1
3234	Role of ionomics in plant abiotic stress tolerance. , 2020, , 835-860.		2
3235	Regulatory Role of Transcription Factors in Abiotic Stress Responses in Plants. , 2020, , 543-565.		1
3236	Mitigation of Salinity Stress by Using the Vermicompost and Vermiwash. , 2020, , 345-356.		3
3237	An Introduction to Legume Biotechnology. <i>Sustainable Agriculture Reviews</i> , 2020, , 1-27.	0.6	1
3238	La Homeopatía incrementa la tolerancia al estrés por NaCl en plantas de frijol común (Phaseolus TJ ETQq1 1 0.784314 rgBT /Over	0.3	0
3239	Compatible osmotic substances " proline and sucrose " in wheat cell lines with combined stress tolerance. <i>Fiziologia Rastenij I Genetika</i> , 2020, 52, 64-73.	0.1	0
3241	ALLEVIATION OF SOIL SALINITY ON PHYSIOLOGICAL AND AGRONOMIC TRAITS OF RICE CULTIVARS USING Arbuscular mycorrhizal fungi AND Pseudomonas STRAINS UNDER FIELD CONDITIONS. <i>Revista De Agricultura Neotropical</i> , 2020, 7, 25-42.	0.3	4

#	ARTICLE	IF	CITATIONS
3242	Isolation, characterization and screening of PGPR capable of providing relief in salinity stress. Eurasian Journal of Soil Science, 2020, 9, 85-91.	0.2	8
3243	Proteome responses of pearl millet genotypes under salinity. Plant Gene, 2022, 29, 100347.	1.4	5
3244	SIMAPK3 enhances tolerance to salt stress in tomato plants by scavenging ROS accumulation and up-regulating the expression of ethylene signaling related genes. Environmental and Experimental Botany, 2022, 193, 104698.	2.0	24
3245	Calcium Ion Richness in Cornus hongkongensis subsp. elegans (W. P. Fang et Y. T. Hsieh) Q. Y. Xiang Could Enhance Its Salinity Tolerance. Forests, 2021, 12, 1522.	0.9	2
3246	Physiological responses of two arabidopsis thaliana isolates, N1438 and Col, to different salts. , 2008, , 99-105.		0
3247	Two-Dimensional Electrophoresis. Stress Proteins. , 2001, , 297-333.		1
3248	Boron-Calcium Relationship in Biological Nitrogen Fixation under Physiological and Salt-Stressing Conditions. , 2004, , 139-170.		1
3249	Auxin and Cytokinin Signaling Component Genes and Their Potential for Crop Improvement. , 2007, , 289-314.		0
3252	Effect of Calcium Salts on Salinity Stress on Morphology and Biochemical Estimation of Rice Seedlings. Lecture Notes in Bioengineering, 2021, , 305-315.	0.3	0
3253	Do Mycorrhizal Fungi Enable Plants to Cope with Abiotic Stresses by Overcoming the Detrimental Effects of Salinity and Improving Drought Tolerance?. Soil Biology, 2021, , 391-428.	0.6	11
3254	Plant Tolerance Mechanisms to Soil Salinity Contribute to the Expansion of Agriculture and Livestock Production in Argentina. , 2021, , 381-397.		2
3256	Plant Biotechnology. Genetic Engineering to Enhance Plant Salt Tolerance.. Journal of Bioscience and Bioengineering, 2002, 94, 585-590.	1.1	3
3261	Ecological Adaptations of Urochondra setulosa (Poaceae) against Drought and Salinity. Asian Journal of Plant Sciences, 2020, 19, 443-454.	0.2	0
3262	Abiotic Stress: Its Outcome and Tolerance in Plants. Rhizosphere Biology, 2021, , 79-106.	0.4	1
3263	Comparative study of wild and transformed salt tolerant bacterial strains on Triticum aestivum growth under salt stress. Brazilian Journal of Microbiology, 2010, 41, 946-55.	0.8	1
3264	Gene Expression Analysis in Cultivated Wheat Plants under Salinity and ABA Treatments. Molecular Biology Research Communications, 2014, 3, 9-19.	0.2	3
3265	Up-regulation of plasma membrane H-ATPase under salt stress may enable to cope with stress. Molecular Biology Research Communications, 2014, 3, 67-75.	0.2	9
3266	Interactive impacts of soil salinity and jasmonic acid and humic acid on growth parameters, forage yield and photosynthesis parameters of sorghum plants. South African Journal of Botany, 2022, 146, 293-303.	1.2	18

#	ARTICLE	IF	CITATIONS
3267	Agronomical, Physiological and Biochemical Characterization of In Vitro Selected Eggplant Somaclonal Variants under NaCl Stress. <i>Plants</i> , 2021, 10, 2544.	1.6	5
3268	Effects of red to far-red light ratio on growth and photosynthetic characteristics of tomato seedlings under calcium nitrate stress. <i>Photosynthetica</i> , 2021, 59, 625-632.	0.9	7
3269	Improving the Health-Benefits of Kales (<i>Brassica oleracea</i> L. var. <i>acephala</i> DC) through the Application of Controlled Abiotic Stresses: A Review. <i>Plants</i> , 2021, 10, 2629.	1.6	10
3270	Phylogenetic Analysis of the Membrane Attack Complex/Perforin Domain-Containing Proteins in <i>Gossypium</i> and the Role of GhMACPF26 in Cotton Under Cold Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 684227.	1.7	6
3271	Gain-of-function mutations of AtNHX1 suppress <i>sos1</i> salt sensitivity and improve salt tolerance in <i>Arabidopsis</i> . <i>Stress Biology</i> , 2021, 1, 1.	1.5	11
3272	Oxidative Stress, Ageing and Methods of Seed Invigoration: An Overview and Perspectives. <i>Agronomy</i> , 2021, 11, 2369.	1.3	16
3273	Non-CG DNA methylation-deficiency mutations enhance mutagenesis rates during salt adaptation in cultured <i>Arabidopsis</i> cells. <i>Stress Biology</i> , 2021, 1, 1.	1.5	7
3274	Obtaining Salt Stress-Tolerant Eggplant Somaclonal Variants from In Vitro Selection. <i>Plants</i> , 2021, 10, 2539.	1.6	11
3275	Adaptation of plants to salt stress: the role of the ion transporters. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2021, 30, 668-683.	0.9	13
3276	An ABA Functional Analogue B2 Enhanced Salt Tolerance by Inducing the Root Elongation and Reducing Peroxidation Damage in Maize Seedlings. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12986.	1.8	4
3277	Impact of Weathering and Revegetation on Pedological Characteristics and Pollutant Dispersion Control at Coal Fly Ash Disposal Sites. <i>Innovations in Landscape Research</i> , 2022, , 473-505.	0.2	2
3278	Potential of halophytes in managing soil salinity and mitigating climate change for environmental sustainability. <i>Environment Conservation Journal</i> , 0, , 103-110.	0.1	2
3279	Unravelling the distinctive growth mechanism of proso millet (<i>Panicum miliaceum</i> L.) under salt stress: From root-to-leaf adaptations to molecular response. <i>GCB Bioenergy</i> , 2022, 14, 192-214.	2.5	4
3280	Molecular interaction of nitrate transporter proteins with recombinant glycinebetaine results in efficient nitrate uptake in the cyanobacterium <i>Anabaena</i> PCC 7120. <i>PLoS ONE</i> , 2021, 16, e0257870.	1.1	3
3281	Effect of NaCl Toxicity on Development and Anatomical Structure of Varieties of <i>Sorghum saccharatum</i> (L.) in Kazakhstan. <i>Asian Journal of Plant Sciences</i> , 2021, 21, 119-129.	0.2	0
3282	Sucrose-Induced Tolerance to and Recovery from Deicing Salt Damage in Containerized <i>Ilex aquifolium</i> L. and <i>Quercus robur</i> L.. <i>Arboriculture and Urban Forestry</i> , 2006, 32, 277-285.	0.2	2
3285	Proteomics analysis of the effects for different salt ions in leaves of true halophyte <i>Sesuvium portulacastrum</i> . <i>Plant Physiology and Biochemistry</i> , 2022, 170, 234-248.	2.8	8
3287	Estimating sunflower canopy conductance under the influence of soil salinity. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108778.	1.9	6

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3288	Impact of Salinity Stress on Germination and Growth of Pea (<i>Pisum sativum</i> L) Plants. <i>Magl̄tallat̄ Al-Muá°-tar Li-l-É;ulÅ«m</i> , 2021, 35, 146-159.	0.1	2
3289	Phytomicrobiome Studies for Combating the Abiotic Stress. <i>Biointerface Research in Applied Chemistry</i> , 2020, 11, 10493-10509.	1.0	1
3290	Improving Growth and Quality of Seashore <i>Paspalum</i> By Nano -Micronutrients under Soil Salinity Stress Ø³Ø³ÛĈÛ† Û†Û...Û† Û†Ø-Û†Ø-Ø© Û†Ø-Û†ĈÛ,, Ø-Ø²Ø± ØSÛ,,Ø³Ø± Ø³Ø³Ø³Ø³Ø³Ø³Ø³Ø³... ØSÛ,,Ø¹Û†Ø³ØµØ± ØSÛ,,ØµØ³		
3291	Trade-off between shoot and root dry weight along with a steady CO<sub>2</sub>/sub> assimilation rate ensures the survival of <i>Eucalyptus camaldulensis</i> under salt stress. <i>Journal of Forest Science</i> , 2020, 66, 452-460.	0.5	2
3292	Callus Formation and Regeneration Tendency of <i>Justicia vasica</i> Nees under Saline Conditions. , 0, , .		2
3293	The Loss of Function of the NODULE INCEPTION-Like PROTEIN 7 Enhances Salt Stress Tolerance in <i>Arabidopsis</i> Seedlings. <i>Frontiers in Plant Science</i> , 2021, 12, 743832.	1.7	3
3294	Transposon mutagenesis of ACC deamination gene alters the proteomic analysis of wheat plant under non-saline and saline stress. <i>Journal of Proteins and Proteomics</i> , 2022, 13, 39.	1.0	0
3295	Viabilitas dan Vigor Benih Kacang Tanah (<i>Arachis hypogaea</i> L), Kacang Hijau (<i>Vigna radiata</i> (L.) R.) Tj ETQq1 1 0.784314 rgBT /Overlook Indonesia, 2022, 27, 7-17.	0.1	0
3296	Different Phenylalanine Pathway Responses to Cold Stress Based on Metabolomics and Transcriptomics in Tartary Buckwheat Landraces. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 687-698.	2.4	11
3297	Salinity Induced Antioxidant Defense in Roots of Industrial Hemp (IH: <i>Cannabis sativa</i> L.) for Fiber during Seed Germination. <i>Antioxidants</i> , 2022, 11, 244.	2.2	6
3298	De novo Transcriptome Analysis in <i>Leymus mollis</i> to Unveil Genes Involved in Salt Stress Response Tolerance. <i>Phyton</i> , 2022, 91, 1-14.	0.4	0
3299	Understanding the Responses, Mechanism and Development of Salinity Stress Tolerant Cultivars in Rice. , 0, , .		2
3300	From leaves to roots: Biophysical models of transport of substances in plants. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 169-170, 53-83.	1.4	10
3301	Role of agrochemical-based nanomaterials in plants: biotic and abiotic stress with germination improvement of seeds. <i>Plant Growth Regulation</i> , 2022, 97, 375-418.	1.8	55
3302	Abiotic Stress Tolerance in Rice: Insight in Climate Change Scenario. , 0, , .		0
3304	Breeding for salt tolerance in wheat: The contribution of carbon isotopic signatures. <i>Czech Journal of Genetics and Plant Breeding</i> , 2022, 58, 43-54.	0.4	3
3305	Cellular Responses, Osmotic Adjustments, and Role of Osmolytes in Providing Salt Stress Resilience in Higher Plants: Polyamines and Nitric Oxide Crosstalk. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 539-553.	2.8	31
3306	Evaluation of the importance of ionic and osmotic components of salt stress on the photosynthetic efficiency of epiphytic lichens. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 107-121.	1.4	8

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3307	Deep sequencing of suppression subtractive library identifies differentially expressed transcripts of <i>Saccharum spontaneum</i> exposed to salinity stress. <i>Physiologia Plantarum</i> , 2022, 174, e13645.	2.6	4
3308	Salicylic acid enhances tolerance of <i>Valeriana officinalis</i> L. to bentazon herbicide. <i>Industrial Crops and Products</i> , 2022, 177, 114495.	2.5	9
3309	Amelioration of salinity induced damage in plants by selenium application: A review. <i>South African Journal of Botany</i> , 2022, 147, 98-105.	1.2	18
3310	A novel mitochondrial protein is required for cell wall integrity, auxin accumulation and root elongation in <i>Arabidopsis</i> under salt stress. <i>Stress Biology</i> , 2022, 2, 1.	1.5	3
3311	Salinity Induced Alterations in the Growth and Cellular Ion Content of <i>Azolla caroliniana</i> and <i>Azolla microphylla</i> . <i>Journal of Plant Growth Regulation</i> , 0, , 1.	2.8	1
3312	The red seaweed <i>Kappaphycus alvarezii</i> antiporter gene (KaNa ⁺ /H ⁺) confers abiotic stress tolerance in transgenic tobacco. <i>Molecular Biology Reports</i> , 2022, 49, 3729-3743.	1.0	3
3313	The use of osmoregulators and antioxidants to mitigate the adverse impacts of salinity stress in diploid and tetraploid potato genotypes (<i>Solanum</i> spp.). <i>Chemical and Biological Technologies in Agriculture</i> , 2022, 9, .	1.9	5
3314	Imperative role of trehalose metabolism and trehalose-phosphate signaling on salt stress responses in plants. <i>Physiologia Plantarum</i> , 2022, 174, e13647.	2.6	27
3315	Salinity increases with water table elevation at the boundary between salt marsh and forest. <i>Journal of Hydrology</i> , 2022, 608, 127576.	2.3	4
3316	MicroRNA and cDNA-Microarray as Potential Targets against Abiotic Stress Response in Plants: Advances and Prospects. <i>Agronomy</i> , 2022, 12, 11.	1.3	6
3320	Salinity Stress in Wheat: Effects, Mechanisms and Management Strategies. <i>Phyton</i> , 2022, 91, 667-694.	0.4	58
3321	Salicylic acid delays leaf rolling by inducing antioxidant enzymes and modulating osmoprotectant content in <i>Ctenanthe setosa</i> under osmotic stress. <i>Turkish Journal of Biology</i> , 0, , .	2.1	8
3323	Integrated OMICS Approaches to Ameliorate the Abiotic Stress in <i>Brassica Napus</i> . <i>Advances in Science, Technology and Innovation</i> , 2022, , 361-373.	0.2	2
3324	Modulation of abscisic acid signaling for stomatal operation under salt stress conditions. <i>Advances in Botanical Research</i> , 2022, , 89-121.	0.5	2
3325	Stomatal regulation and adaptation to salinity in glycophytes and halophytes. <i>Advances in Botanical Research</i> , 2022, , .	0.5	0
3327	Tampk2b, a Member of the Mapk Family in <i>T. Aestivum</i> , Enhances Plant Low-Pi Stress Tolerance Through Modulating Physiological Processes Associated with Low-P Stress Defensiveness. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
3328	Zwitterions Layer at but Do Not Screen Electrified Interfaces. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1852-1860.	1.2	5
3329	Evolutionary Significance of NHX Family and NHX1 in Salinity Stress Adaptation in the Genus <i>Oryza</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2092.	1.8	19

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3330	Impact of Single and Combined Salinity and High-Temperature Stresses on Agro-Physiological, Biochemical, and Transcriptional Responses in Rice and Stress-Release. <i>Plants</i> , 2022, 11, 501.	1.6	20
3331	Allantoin mediated regulation of miRNAs for short term salinity stress tolerance in <i>Oryza sativa</i> L. cv. IR-29. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2022, 31, 953-960.	0.9	5
3332	Enhanced nitrate reductase activity offers <i>Arabidopsis</i> ecotype Landsberg <i>erecta</i> better salt stress resistance than Col-0. <i>Plant Biology</i> , 2022, 24, 854-862.	1.8	3
3333	Exogenous SA Affects Rice Seed Germination under Salt Stress by Regulating Na ⁺ /K ⁺ Balance and Endogenous GAs and ABA Homeostasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3293.	1.8	28
3335	Structure, Function, and Regulation of the Plasma Membrane Na ⁺ /H ⁺ Antiporter Salt Overly Sensitive 1 in Plants. <i>Frontiers in Plant Science</i> , 2022, 13, 866265.	1.7	13
3336	Examining effects of rhizobacteria in relieving abiotic crop stresses using carbon-11 radiotracing. <i>Physiologia Plantarum</i> , 2022, 174, e13675.	2.6	4
3337	Physiological, Proteomic Analysis, and Calcium-Related Gene Expression Reveal <i>Taxus wallichiana</i> var. <i>mairei</i> Adaptability to Acid Rain Stress Under Various Calcium Levels. <i>Frontiers in Plant Science</i> , 2022, 13, 845107.	1.7	5
3338	Physiological integration between Bermudagrass ramets improves overall salt resistance under heterogeneous salt stress. <i>Physiologia Plantarum</i> , 2022, 174, e13655.	2.6	5
3339	Time-series transcriptome comparison reveals the gene regulation network under salt stress in soybean (<i>Glycine max</i>) roots. <i>BMC Plant Biology</i> , 2022, 22, 157.	1.6	14
3340	Multidimensional Role of Silicon to Activate Resilient Plant Growth and to Mitigate Abiotic Stress. <i>Frontiers in Plant Science</i> , 2022, 13, 819658.	1.7	54
3341	Expression Profile of Sorghum Genes and Cis-Regulatory Elements under Salt-Stress Conditions. <i>Plants</i> , 2022, 11, 869.	1.6	2
3342	Silicon Nanoparticles and Methyl Jasmonate Improve Physiological Response and Increase Expression of Stress-related Genes in Strawberry cv. Paros Under Salinity Stress. <i>Silicon</i> , 2022, 14, 10559-10569.	1.8	25
3343	Materials Nanoarchitectonics from Atom to Living Cell: A Method for Everything. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 774-795.	2.0	65
3344	Histone acetyltransferase GCN5-mediated lysine acetylation modulates salt stress adaptation of <i>Trichoderma</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, , 1.	1.7	5
3345	Combining high tolerance to drought with high tolerance to salinity in Egyptian wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 1	0.8	0
3346	Physiological and molecular insights into the role of silicon in improving plant performance under abiotic stresses. <i>Plant and Soil</i> , 2023, 486, 25-43.	1.8	12
3347	Spectral monitoring of salinity stress in tomato plants. <i>Biosystems Engineering</i> , 2022, 217, 26-40.	1.9	6
3348	Overexpression of MdVQ37 reduces salt stress tolerance in <i>Malus domestica</i> . <i>Scientia Horticulturae</i> , 2022, 300, 111077.	1.7	6

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3349	Salt tolerance of hybrid baby corn genotypes in relation to growth, yield, physiological, and biochemical characters. <i>South African Journal of Botany</i> , 2022, 147, 808-819.	1.2	8
3350	Improved Salinity Tolerance by Potassium Humate Fertilizer in Common Bean (<i>Phaseolus vulgaris</i> L., Cv.) Tj ETQq1 1,0,784314 rgBT /Ow	0.0	0
3351	Cloning and Characterization of Two Putative P-Type ATPases from the Marine Microalga <i>Dunaliella maritima</i> Similar to Plant H ⁺ -ATPases and Their Gene Expression Analysis under Conditions of Hyperosmotic Salt Shock. <i>Plants</i> , 2021, 10, 2667.	1.6	4
3352	Differential Functions of Pepper Stress-Associated Proteins in Response to Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2021, 12, 756068.	1.7	8
3354	Sustainable Economic Systems Against Biotic and Abiotic Stress in Medicinal Plants: Aeroponics, Hydroponics, and Organoponics. <i>Environmental Challenges and Solutions</i> , 2022, , 319-338.	0.5	1
3355	The combined use of silicon/nanosilicon and arbuscular mycorrhiza for effective management of stressed agriculture: Action mechanisms and future prospects. , 2022, , 241-264.		3
3356	Effects of Salinity and Oil Contamination on the Soil Seed Banks of Three Dominant Vegetation Communities in the Coastal Wetland of the Yellow River Delta. <i>Forests</i> , 2022, 13, 615.	0.9	1
3357	Foliar Application of Spermidine Reduced the Negative Effects of Salt Stress on Oat Seedlings. <i>Frontiers in Plant Science</i> , 2022, 13, 846280.	1.7	7
3358	Physiological Analysis and Transcriptome Sequencing Reveal the Effects of Salt Stress on Banana (<i>Musa acuminata</i> cv. BD) Leaf. <i>Frontiers in Plant Science</i> , 2022, 13, 822838.	1.7	8
3359	Conjunctive Analyses of Bulk Segregant Analysis Sequencing and Bulk Segregant RNA Sequencing to Identify Candidate Genes Controlling Spikelet Sterility of Foxtail Millet. <i>Frontiers in Plant Science</i> , 2022, 13, 842336.	1.7	5
3426	Enhancing the physiological and molecular responses of horticultural plants to drought stress through plant growthâ€promoting rhizobacterias. , 2022, , 185-199.		1
3427	Plant microbiome: Modulation of plant defense and ecological dynamics under stressed environment. , 2022, , 19-40.		0
3429	Abiotic stress and plant response: Adaptive mechanisms of plants against multiple stresses. , 2022, , 1-17.		0
3430	Transcriptomic Analysis Elaborates the Resistance Mechanism of Grapevine Rootstocks against Salt Stress. <i>Plants</i> , 2022, 11, 1167.	1.6	4
3431	Knockâ€down of phosphoenolpyruvate carboxylase 3 negatively impacts growth, productivity, and responses to salt stress in sorghum (<i>Sorghum bicolor</i> L.). <i>Plant Journal</i> , 2022, 111, 231-249.	2.8	8
3432	Constitutive and Adaptive Traits of Environmental Stress Tolerance in the Threatened Halophyte <i>Limonium angustibracteatum</i> Erben (Plumbaginaceae). <i>Plants</i> , 2022, 11, 1137.	1.6	3
3433	Growth, gas exchange, water relations, fresh and dry matter partitioning in young fig (<i>Ficus carica</i> L.) plants irrigated with saline water. <i>European Journal of Horticultural Science</i> , 2022, 87, .	0.3	2
3434	Salinity in <i>Jatropha curcas</i> : A Review of Physiological, Biochemical, and Molecular Factors Involved. <i>Agriculture (Switzerland)</i> , 2022, 12, 594.	1.4	8

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3435	Effects of Increasing Salinity by Drip Irrigation on Total Grain Weight Show High Yield Potential of Putative Salt-Tolerant Mutagenized Wheat Lines. <i>Sustainability</i> , 2022, 14, 5061.	1.6	2
3436	OfSPL11 Gene from <i>Osmanthus fragrans</i> Promotes Plant Growth and Oxidative Damage Reduction to Enhance Salt Tolerance in <i>Arabidopsis</i> . <i>Horticulturae</i> , 2022, 8, 412.	1.2	6
3437	Vermicompost and its role in alleviation of salt stress in plants – I. Impact of vermicompost on growth and nutrient uptake of salt-stressed plants. <i>Journal of Plant Nutrition</i> , 2023, 46, 1446-1457.	0.9	9
3438	Screening of Key Indices and the Gene Transcriptional Regulation Analysis Related to Salt Tolerance in <i>Salix matsudana</i> Seedlings. <i>Forests</i> , 2022, 13, 754.	0.9	2
3440	A Putative Plasma Membrane Na ⁺ /H ⁺ Antiporter GmSOS1 Is Critical for Salt Stress Tolerance in <i>Glycine max</i> . <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	19
3441	A Cys2His2 Zinc Finger Transcription Factor BpSZA1 Positively Modulates Salt Stress in <i>Betula platyphylla</i> . <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	1
3442	Breeding and Omics Approaches to Understand Abiotic Stress Response in Rice. , 2022, , 341-404.		1
3443	Germination and Survival of Maize and Beans Seeds: Effects of Irrigation with NaCl and Heavy Metals Contaminated Water. <i>Open Journal of Applied Sciences</i> , 2022, 12, 769-792.	0.2	0
3444	Over-Expression of Dehydroascorbate Reductase Improves Salt Tolerance, Environmental Adaptability and Productivity in <i>Oryza sativa</i> . <i>Antioxidants</i> , 2022, 11, 1077.	2.2	8
3445	Phytochemical Compositions of Some Red Sea Halophyte Plants with Antioxidant and Anticancer Potentials. <i>Molecules</i> , 2022, 27, 3415.	1.7	6
3446	Abiotic Stresses Elicitation Potentiates the Productiveness of Cardoon Calli as Bio-Factories for Specialized Metabolites Production. <i>Antioxidants</i> , 2022, 11, 1041.	2.2	6
3447	Biogenic Silver Nanoparticles as a Stress Alleviator in Plants: A Mechanistic Overview. <i>Molecules</i> , 2022, 27, 3378.	1.7	13
3448	Genomic Regions Associated With Salinity Stress Tolerance in Tropical Maize (<i>Zea Mays</i> L.). <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	4
3449	A Multifactorial Regulation of Glutathione Metabolism behind Salt Tolerance in Rice. <i>Antioxidants</i> , 2022, 11, 1114.	2.2	9
3450	Supplemental light application can improve the growth and development of strawberry plants under salinity and alkalinity stress conditions. <i>Scientific Reports</i> , 2022, 12, .	1.6	9
3451	Does long-term salt stress of environmentally relevant concentrations affect the physiology of inland lichens? – The importance of rainfall to restore thallus vitality. <i>Environmental and Experimental Botany</i> , 2022, 200, 104937.	2.0	3
3453	Analysis of winter wheat varieties suitable for cultivation in conditions of flooding. <i>BIO Web of Conferences</i> , 2022, 47, 02001.	0.1	0
3454	Effects of Nitrogen Fertilization on Physiological Response of Maize to Soil Salinity. <i>Agriculture (Switzerland)</i> , 2022, 12, 877.	1.4	2

#	ARTICLE	IF	CITATIONS
3455	Stress combination: When two negatives may become antagonistic, synergistic or additive for plants?. <i>Pedosphere</i> , 2023, 33, 287-300.	2.1	3
3456	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
3459	Transcriptomic Profile Analysis of <i>Populus talassica</i> – <i>Populus euphratica</i> Response and Tolerance under Salt Stress Conditions. <i>Genes</i> , 2022, 13, 1032.	1.0	3
3460	Assessment of different salt concentrations on the growth and phytochemical change of the ice plants. <i>Journal of King Saud University - Science</i> , 2022, 34, 102168.	1.6	2
3461	The combined use of silicon and arbuscular mycorrhizas to mitigate salinity and drought stress in rice. <i>Environmental and Experimental Botany</i> , 2022, 201, 104955.	2.0	29
3462	Reconnoitering bionanomaterials for mitigation of abiotic stress in plants. , 2022, , 101-126.		0
3463	Processes and mechanisms of coastal woody plant mortality. <i>Global Change Biology</i> , 2022, 28, 5881-5900.	4.2	22
3464	Growth and yield of some promising Egyptian rice genotypes under foliar application of different stimulating compounds. <i>Oryza</i> , 2022, 59, 252-258.	0.2	0
3465	<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
3466	Molecular Mechanisms of Plant Responses to Salt Stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	26
3467	Biotechnological Intervention for Sugarcane Improvement Under Salinity. <i>Sugar Tech</i> , 2023, 25, 15-31.	0.9	3
3468	A critical review on adaptations, and biological activities of the mangroves. , 2022, 1, 100006.		3
3469	TaMPK2B, a member of the MAPK family in <i>T. aestivum</i> , enhances plant low-Pi stress tolerance through modulating physiological processes associated with phosphorus starvation defensiveness. <i>Plant Science</i> , 2022, , 111375.	1.7	1
3470	Comparative Transcriptome Profiling Provides Insights into Plant Salt Tolerance in Watermelon (<i>Citrullus lanatus</i>). <i>Life</i> , 2022, 12, 1033.	1.1	3
3471	Effect of potato peel on reinforcing marigold growth, yield and chemical fractions to relieve salinity stress. <i>Vegetos</i> , 2023, 36, 348-363.	0.8	2
3472	Heme is involved in the exogenous ALA-promoted growth and antioxidant defense system of cucumber seedlings under salt stress. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	10
3473	Deciphering endurance capacity of mango tree (<i>Mangifera indica</i> L.) to desiccation stress using modern physiological tools. <i>Scientia Horticulturae</i> , 2022, 303, 111247.	1.7	3
3474	Effect of Lead Nitrate on Morphological and Biochemical Parameters of <i>Atriplex Halimus</i> L.. <i>Arab Gulf Journal of Scientific Research</i> , 2018, , 23-31.	0.3	0

#	ARTICLE	IF	CITATIONS
3475	Biochemical response of <i>Olea europaea</i> cv. Gemlik to short-term salt stress. <i>Turkish Journal of Biology</i> , 0, , .	2.1	4
3476	<i>Moringa oleifera</i> leaf extract: An innovative priming tool for rangeland grasses. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 0, , .	0.8	16
3477	Physiological Role of Disaccharide Trehalose to Induce Quality and Quantity of <i>Triticum aestivum</i> L.. <i>Asian Journal of Agricultural Research</i> , 2022, 16, 21-28.	0.4	0
3478	Effects of ridge planting on crop seedlings under saline water drip irrigation. <i>Irrigation and Drainage</i> , 0, , .	0.8	0
3479	Impact of polyploidy on plant tolerance to abiotic and biotic stresses. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	36
3480	Evaluating the resistance mechanism of <i>Atriplex leucoclada</i> (Orache) to salt and water stress; A potential crop for biosaline agriculture. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
3481	Evaluating the role of gamma irradiation to ameliorate salt stress in corn. <i>International Journal of Radiation Biology</i> , 2023, 99, 523-533.	1.0	1
3482	Whole proteome analysis of xero-halophyte <i>Atriplex</i> under salinity. <i>Vegetos</i> , 0, , .	0.8	1
3483	Decarboxylation mechanisms of the C4 cycle in foxtail millet observed under salt and selenium treatments. <i>Plant Growth Regulation</i> , 2023, 99, 65-83.	1.8	3
3484	Comparative metabolomics unveils the role of metabolites and metabolic pathways in the adaptive mechanisms of shrubby halophytes. <i>Environmental and Experimental Botany</i> , 2022, 202, 105030.	2.0	9
3485	Potential of Organic Amendments (AM fungi, PGPR, Vermicompost and Seaweeds) in Combating Salt Stress ... A Review. <i>Plant Stress</i> , 2022, 6, 100111.	2.7	14
3487	Time and rate of acetate foliar spray can ameliorate adverse effect of NaCl stress on strawberry. <i>South African Journal of Botany</i> , 2022, 150, 797-805.	1.2	0
3488	Role of chitosan and chitosan-based nanoparticles on drought tolerance in plants: probabilities and prospects. , 2022, , 475-501.		2
3489	Exogenous Putrescine-Mediated Modulation of Drought Stress Tolerance in Sugar Beet: Possible Mechanisms. , 2022, , 441-457.		0
3490	Selenium and Nano-Selenium as a New Frontier of Plant Biostimulant. , 2022, , 41-54.		0
3491	Improvement in fruit yield and tolerance to salinity of tomato plants fertigated with micronutrient amounts of iodine. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
3492	A C2-Domain Abscisic Acid-Related Gene, <i>IbCAR1</i> , Positively Enhances Salt Tolerance in Sweet Potato (<i>Ipomoea batatas</i> (L.) Lam.). <i>International Journal of Molecular Sciences</i> , 2022, 23, 9680.	1.8	5
3493	Transcriptome analysis reveals molecular mechanisms underlying salt tolerance in halophyte <i>Sesuvium portulacastrum</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	7

#	ARTICLE	IF	CITATIONS
3494	Alleviation of Salt Stress in <i>Solanum tuberosum</i> L. by Exogenous Application of Indoleacetic acid and l-Tryptophan. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 3257-3273.	2.8	5
3495	A fast method to evaluate in a combinatorial manner the synergistic effect of different biostimulants for promoting growth or tolerance against abiotic stress. <i>Plant Methods</i> , 2022, 18, .	1.9	10
3496	Ectopic Expression of AeNAC83, a NAC Transcription Factor from <i>Abelmoschus esculentus</i> , Inhibits Growth and Confers Tolerance to Salt Stress in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 10182.	1.8	6
3497	Effect of a Biostimulant Based on Polyphenols and Glycine Betaine on Tomato Plants's Responses to Salt Stress. <i>Agronomy</i> , 2022, 12, 2142.	1.3	15
3498	Global transcriptome analyses and regulatory mechanisms in <i>Halothece</i> sp. PCC 7418 exposed to abiotic stresses. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 6641-6655.	1.7	4
3499	Mitigating abiotic stress: microbiome engineering for improving agricultural production and environmental sustainability. <i>Planta</i> , 2022, 256, .	1.6	32
3500	Unravelling the Efficient Applications of Zinc and Selenium for Mitigation of Abiotic Stresses in Plants. <i>Agriculture (Switzerland)</i> , 2022, 12, 1551.	1.4	3
3501	Mineral nutrient analysis of three halophytic grasses under sodic and saline stress conditions. , 2022, 92, .		1
3502	Climate Change and Abiotic Stresses in Plants. , 0, , .		0
3503	Physiological and Metabolic Responses of Gac Leaf (<i>Momordica cochinchinensis</i> (Lour.) Spreng.) to Salinity Stress. <i>Plants</i> , 2022, 11, 2447.	1.6	3
3504	The plant cytoskeleton takes center stage in abiotic stress responses and resilience. <i>Plant, Cell and Environment</i> , 2023, 46, 5-22.	2.8	15
3505	Adaptive mechanisms of tall wheatgrass to salinity and alkalinity stress. <i>Grass and Forage Science</i> , 2023, 78, 23-36.	1.2	1
3506	Acclimation and stress response of <i>Prochlorococcus</i> to low salinity. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
3507	<i>Salicornia bigelovii</i> , <i>S. brachiata</i> and <i>S. herbacea</i> : Their Nutritional Characteristics and an Evaluation of Their Potential as Salt Substitutes. <i>Foods</i> , 2022, 11, 3402.	1.9	8
3508	Bioremediation of Cadmium Toxicity in Wheat (<i>Triticum aestivum</i> L.) Plants Primed with L-Proline, <i>Bacillus subtilis</i> and <i>Aspergillus niger</i> . <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12683.	1.2	5
3509	<i>Suaeda glauca</i> and <i>Suaeda salsa</i> Employ Different Adaptive Strategies to Cope with Saline's Alkali Environments. <i>Agronomy</i> , 2022, 12, 2496.	1.3	4
3510	Physio-morphological and biochemical responses of dixie grass (<i>Sporobolus virginicus</i>) to NaCl or Na ₂ SO ₄ stress. , 0, , .		1
3511	Comprehensive Analysis of Transcriptome and Metabolome Elucidates the Molecular Regulatory Mechanism of Salt Resistance in Roots of <i>Achnatherum inebrians</i> Mediated by <i>Epichloa</i> gansuensis. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 1092.	1.5	1

#	ARTICLE	IF	CITATIONS
3512	Endophytic bacteria perform better than endophytic fungi in improving plant growth under drought stress: A meta-comparison spanning 12 years (2010–2021). <i>Physiologia Plantarum</i> , 2022, 174, .	2.6	8
3513	Overexpression of the intertidal seagrass 14-3-3 gene ZjGRF1 enhances the tolerance of transgenic <i>Arabidopsis</i> to salt and osmotic stress. <i>Plant Biotechnology Reports</i> , 2022, 16, 697-707.	0.9	1
3514	Transcriptome analysis of perennial ryegrass reveals the regulatory role of <i>Aspergillus aculeatus</i> under salt stress. <i>Physiologia Plantarum</i> , 2022, 174, .	2.6	1
3515	Effect of protatranes on the physiological parameters of spring wheat under chloride salinity conditions. <i>IzvestiĀ Vuzov: PrikladnaĀ HimiĀ I BiotehnologiĀ</i> , 2022, 12, 485-490.	0.1	1
3516	Integrated physiological and transcriptional dissection reveals the core genes involving nutrient transport and osmoregulatory substance biosynthesis in allohexaploid wheat seedlings under salt stress. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	3
3517	Combined full-length transcriptomic and metabolomic analysis reveals the regulatory mechanisms of adaptation to salt stress in asparagus. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
3518	The high pH value of alkaline salt destroys the root membrane permeability of <i>Reaumuria trigyna</i> and leads to its serious physiological decline. <i>Journal of Plant Research</i> , 2022, 135, 785-798.	1.2	6
3519	Exogenous Melatonin Counteracts Salinity and Cadmium Stress via Photosynthetic Machinery and Antioxidant Modulation in <i>Solanum lycopersicum</i> L. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 6332-6348.	2.8	7
3520	Influences of Natural Antioxidants, Reactive Oxygen Species and Compatible Solutes of <i>Panicum Miliaceum</i> L. Towards Drought Stress. <i>Cell Biochemistry and Biophysics</i> , 2023, 81, 141-149.	0.9	1
3521	Salt Stress Tolerance in <i>Casuarina glauca</i> : Insights from the Branchlets Transcriptome. <i>Plants</i> , 2022, 11, 2942.	1.6	2
3522	Insights into the molecular aspects of salt stress tolerance in mycorrhizal plants. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	1.7	5
3523	Stress induced production of plant secondary metabolites in vegetables: Functional approach for designing next generation super foods. <i>Plant Physiology and Biochemistry</i> , 2022, 192, 252-272.	2.8	21
3524	A synthesis of functional contributions of rhizobacteria to growth promotion in diverse crops. <i>Rhizosphere</i> , 2022, 24, 100611.	1.4	2
3525	Increased Leaching Requirements Allow the Use of Source Water High in Salts for Plant Growth. <i>HortTechnology</i> , 2022, 32, 523-528.	0.5	0
3526	Chickpea C2H2-Type Zinc Finger Protein ZF2 is a Positive Regulator in Drought Response in <i>Arabidopsis</i> . <i>Phyton</i> , 2023, 92, 577-590.	0.4	1
3527	Genome-wide identification of PLCPs in pepper and the functional characterization of CaCP34 in resistance to salt- and osmotic-induced leaf senescence. <i>Scientia Horticulturae</i> , 2023, 309, 111624.	1.7	2
3530	Long-term Response of Grapevines to Salinity: Osmotic Effects and Ion Toxicity. <i>American Journal of Enology and Viticulture</i> , 2005, 56, 148-154.	0.9	97
3531	Tolerance and adaptation mechanism of Solanaceous crops under salinity stress. <i>Functional Plant Biology</i> , 2024, 51, .	1.1	19

#	ARTICLE	IF	CITATIONS
3532	Recent Trends in Targeting Genome Editing of Tomato for Abiotic and Biotic Stress Tolerance. , 2022, , 273-285.		0
3533	Funneliformis constrictum modulates polyamine metabolism to enhance tolerance of Zea mays L. to salinity. Microbiological Research, 2023, 266, 127254.	2.5	16
3534	Mitigation of Salinity Stress Effects on Growth, Physio-Chemical Parameters and Yield of Snapbean (<i>Phaseolus vulgaris</i> L.) by Exogenous Application of Glycine Betaine. International Letters of Natural Sciences, 0, 76, 60-71.	1.0	1
3535	Validation of a QTL on Chromosome 1DS Showing a Major Effect on Salt Tolerance in Winter Wheat. International Journal of Molecular Sciences, 2022, 23, 13745.	1.8	0
3536	Molecular Breeding and Drought Tolerance in Chickpea. Life, 2022, 12, 1846.	1.1	16
3537	Alleviation Mechanism of Melatonin in Chickpea (<i>Cicer arietinum</i> L.) under the Salt Stress Conditions. Horticulturae, 2022, 8, 1066.	1.2	8
3538	Effects of Organic Base Fertilizer and Inorganic Topdressing on Alfalfa Productivity and the Soil Bacterial Community in Saline Soil of the Huanghe River Delta in China. Agronomy, 2022, 12, 2811.	1.3	4
3539	Advances in understanding multilevel responses of seagrasses to hypersalinity. Marine Environmental Research, 2023, 183, 105809.	1.1	8
3540	NaCl Accumulation, Shoot Biomass, Antioxidant Capacity, and Gene Expression of <i>Passiflora edulis</i> f. <i>Flavicarpa</i> Deg. in Response to Irrigation Waters of Moderate to High Salinity. Agriculture (Switzerland), 2022, 12, 1856.	1.4	4
3541	Organic Solutes in Cereals Under Abiotic Stress. , 2022, , 29-50.		0
3542	Chlorophyll fluorescence changes, as plant early state indicator under different water salinity regimes on the invasive macrophyte <i>Elodea canadensis</i> (Michx., 1803). One Ecosystem, 0, 7, .	0.0	0
3543	Combined effect of acute salt and nitrogen stress on the physiology of lichen symbiotic partners. Environmental Science and Pollution Research, 0, , .	2.7	0
3544	Sorghum: Role and Responses Under Abiotic Stress. , 2022, , 107-124.		1
3545	Dual inoculation with rhizosphere-promoting bacterium <i>Bacillus cereus</i> and beneficial fungus <i>Peniophora cinerea</i> improves salt stress tolerance and productivity in willow. Microbiological Research, 2023, 268, 127280.	2.5	5
3546	Pre and post-harvest effect of gibberellic acid and salicylic acid on cut branches of <i>Asparagus umbellatus</i> . Ornamental Horticulture, 2022, 28, 323-331.	0.4	1
3547	Variation of some growth, agronomical and biochemical parameters of <i>Vigna unguiculata</i> (L. Walp) under salinity stress. African Journal of Agricultural Research Vol Pp, 2022, 18, 956-966.	0.2	0
3548	Investigating genetic control of salt stress tolerance in tomato commercial hybrid cultivars and <i>Solanum pennellii</i> introgression lines. Acta Horticulturae, 2022, , 165-174.	0.1	0
3549	Investigating genetic control of salt stress tolerance in tomato commercial hybrid cultivars and <i>Solanum pennellii</i> introgression lines. Acta Horticulturae, 2022, , 165-174.	0.1	0

#	ARTICLE	IF	CITATIONS
3550	Regulatory Network in Plant under Abiotic Stress. , 0, , .		0
3551	Genome-wide association study of salt tolerance at the germination stage in hemp. <i>Euphytica</i> , 2023, 219, .	0.6	2
3552	The PPR-Domain Protein SOAR1 Regulates Salt Tolerance in Rice. <i>Rice</i> , 2022, 15, .	1.7	2
3553	Cultivation of Tomato under Dehydration and Salinity Stress: Unravelling the Physiology and Alternative Tolerance Options. , 0, , .		0
3554	Salt stress proteins in plants: An overview. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	19
3555	Differential activity of wheat antioxidant defense system and alterations in the accumulation of osmolytes at different developmental stages as influenced by marigold (<i>Tagetes erecta</i> L.) leachates. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
3556	Localized phosphorus application via P-dipping is more effective for improving initial rice growth in lower temperature conditions. <i>Plant Production Science</i> , 2023, 26, 28-35.	0.9	4
3557	Photosynthetic and gene expression analyses in <i>Rhizophora mangle</i> L. plants growing in field conditions provide insights into adaptation to high-salinity environments. <i>Trees - Structure and Function</i> , 0, , .	0.9	0
3558	Genome-Wide Association Studies of Salt Tolerance at the Seed Germination Stage and Yield-Related Traits in <i>Brassica napus</i> L.. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15892.	1.8	3
3559	Basil (<i>Ocimum basilicum</i> L.): Botany, Genetic Resource, Cultivation, Conservation, and Stress Factors. , 2023, , 135-163.		1
3560	Foliar Application of Salicylic Acid Enhances the Endogenous Antioxidant and Hormone Systems and Attenuates the Adverse Effects of Salt Stress on Growth and Yield of French Bean Plants. <i>Horticulturae</i> , 2023, 9, 75.	1.2	2
3561	Expression of a Heat Shock Protein 70 from the Brown Alga <i>Ectocarpus</i> sp. Imparts Salinity Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>Journal of Applied Phycology</i> , 2023, 35, 803-819.	1.5	3
3562	Study of salinity induced oxidative stress and antioxidant responses in callus cultures of sugarcane. <i>Ecological Genetics and Genomics</i> , 2023, 26, 100164.	0.3	1
3563	A nuclear-located glyceraldehyde-3-phosphate dehydrogenase affects salt stress response processes in <i>Arabidopsis thaliana</i> as a senescence component. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2024, 33, 24-33.	0.9	0
3564	Response of Pea Plants (<i>Pisum sativum</i> cv. Ran 1) to NaCl Treatment in Regard to Membrane Stability and Photosynthetic Activity. <i>Plants</i> , 2023, 12, 324.	1.6	1
3565	Soil Salinity and Climate Change: Microbiome-Based Strategies for Mitigation of Salt Stress to Sustainable Agriculture. <i>Climate Change Management</i> , 2023, , 191-243.	0.6	4
3566	Mangroves: An Underutilized Gene Pool to Combat Salinity. <i>Sustainable Development and Biodiversity</i> , 2023, , 215-259.	1.4	2
3567	Integrative transcriptomic, metabolomic and physiological analyses revealed the physiological and molecular mechanisms by which potassium regulates the salt tolerance of cotton (<i>Gossypium</i>) Tj ETQq1 1 0.784314sgBT /Overlock 10		

#	ARTICLE	IF	CITATIONS
3568	Effect of Salinity on Catalase and Peroxidase Activity of <i>Chlorella vulgaris</i> Beijerinck. <i>International Journal of Scientific Research in Science and Technology</i> , 2022, , 189-193.	0.1	0
3569	Unravelling the Morphological, Physiological, and Phytochemical Responses in <i>Centella asiatica</i> L. Urban to Incremental Salinity Stress. <i>Life</i> , 2023, 13, 61.	1.1	0
3571	Effect of Seasonal Changes on Photosynthetic Pigments and Proline Contents of Some Plants Growing Naturally in Tayma Region, Saudi Arabia. <i>Asian Journal of Biology</i> , 0, , 59-76.	0.2	0
3572	Applications of Some Nanoparticles and Responses of Medicinal and Aromatic Plants Under Stress Conditions. , 2023, , 193-222.		0
3573	Physiology and Molecular Biology of Abiotic Stress Tolerance in Legumes. , 2023, , 1-26.		1
3574	Approaches in stress mitigation of plants. , 2023, , 1-25.		0
3575	Multiomics strategies for alleviation of abiotic stresses in plants. , 2023, , 1-35.		0
3576	Physiological and Biochemical Responses of Apple (<i>Malus domestica</i> Borkh.) to Biostimulants Application and Substrate Additives under Salinity Stress. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1290.	1.3	1
3577	<i>Trichoderma longibrachiatum</i> , a biological control agent of <i>Sclerotium cepivorum</i> on onion plants under salt stress. <i>Biological Control</i> , 2023, 180, 105168.	1.4	2
3578	Plant responses to soil-borne ion toxicities. , 2023, , 665-722.		2
3579	Halophytes: a potential source of antioxidants. , 2023, , 185-196.		1
3580	Halotolerance, stress mechanisms, and circadian clock of salt-tolerant cyanobacteria. <i>Applied Microbiology and Biotechnology</i> , 2023, 107, 1129-1141.	1.7	3
3581	Biosaline agriculture and efficient management strategies for sustainable agriculture on salt affected Vertisols. , 2023, , 249-269.		0
3582	Determination of Tolerance and Sensitivity of Safflower Genotypes Based on Germination Indices and Comparison of Biochemical Contents Under Salt Stress. <i>Black Sea Journal of Agriculture</i> , 2023, 6, 164-173.	0.1	0
3583	Adaptive mechanisms in quinoa for coping in stressful environments: an update. <i>PeerJ</i> , 0, 11, e14832.	0.9	8
3584	How the Birch effect differs in mechanisms and magnitudes due to soil texture. <i>Soil Biology and Biochemistry</i> , 2023, 179, 108973.	4.2	4
3585	Effects of several superabsorbent polymers on soil exchangeable cations and crop growth. <i>Environmental Technology and Innovation</i> , 2023, 30, 103126.	3.0	6
3586	Surviving the enemies: Regulatory mechanisms of stomatal function in response to drought and salt stress. <i>Environmental and Experimental Botany</i> , 2023, 209, 105291.	2.0	3

#	ARTICLE	IF	CITATIONS
3587	Life on the edge: Adaptations of <i>Posidonia oceanica</i> to hypersaline conditions in a Mediterranean lagoon system. <i>Environmental and Experimental Botany</i> , 2023, 210, 105320.	2.0	1
3588	Impact of Salinity Stress on Sugarcane Yield and Quality: Management Approaches for Higher Cane Sugar Productivity. , 2022, , 39-56.		0
3589	Transcriptome Analysis of Marbled Rockfish <i>Sebastes marmoratus</i> under Salinity Stress. <i>Animals</i> , 2023, 13, 400.	1.0	0
3590	Mitigation impacts of localized salt replacement on the salinity damage of cucumber: The relationship between cucumber growth and salt level in the root region. <i>Scientia Horticulturae</i> , 2023, 312, 111870.	1.7	2
3591	Determining basil production functions under simultaneous water, salinity, and nitrogen stresses. <i>Applied Water Science</i> , 2023, 13, .	2.8	0
3592	Prohexadione calcium enhances rice growth and tillering under NaCl stress. <i>PeerJ</i> , 0, 11, e14804.	0.9	1
3593	<i>Spirulina platensis</i> -Inoculated Humified Compost Boosts Rhizosphere Soil Hydro-Physico-Chemical Properties and <i>Atriplex nummularia</i> Forage Yield and Quality in an Arid Saline Calcareous Soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2023, 23, 2215-2236.	1.7	7
3594	Comparative Analysis of Morphological, Physiological, Anatomic and Biochemical Responses in Relatively Sensitive <i>Zinnia elegans</i> "Zinnita Scarlet"™ and Relatively Tolerant <i>Zinnia marylandica</i> "Double Zahara Fire Improved"™ under Saline Conditions. <i>Horticulturae</i> , 2023, 9, 247.	1.2	4
3595	Silicon Nutrition in Plants under Water-Deficit Conditions: Overview and Prospects. <i>Water (Switzerland)</i> , 2023, 15, 739.	1.2	16
3596	Nitric oxide, calmodulin and calcium protein kinase interactions in the response of <i>Brassica napus</i> to salinity stress. <i>Plant Biology</i> , 2023, 25, 411-419.	1.8	6
3597	Salt-responsive bermudagrass microRNAs and insights into light reaction photosynthetic performance. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
3598	Onion plants (<i>Allium cepa</i> L.) react differently to salinity levels according to the regulation of aquaporins. <i>Heliyon</i> , 2023, 9, e13815.	1.4	5
3599	Silicon nanoparticles (SiNPs) restore photosynthesis and essential oil content by upgrading enzymatic antioxidant metabolism in lemongrass (<i>Cymbopogon flexuosus</i>) under salt stress. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	11
3600	A novel high-affinity potassium transporter <i>SeHKT1;2</i> from halophyte <i>Salicornia europaea</i> shows strong selectivity for Na ⁺ rather than K ⁺ . <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
3601	Exogenous Application of Indol-3-Acetic Acid and Salicylic Acid Improves Tolerance to Salt Stress in Olive Plantlets (<i>Olea europaea</i> L. Cultivar Picual) in Growth Chamber Environments. <i>Agronomy</i> , 2023, 13, 647.	1.3	1
3602	GABA Metabolism, Transport and Their Roles and Mechanisms in the Regulation of Abiotic Stress (Hypoxia, Salt, Drought) Resistance in Plants. <i>Metabolites</i> , 2023, 13, 347.	1.3	7
3604	Application of Humic Acid and Algal Extract: An Eco-friendly Strategy for Improving Growth and Essential Oil Composition of Two Basil Varieties under Salty Soil Stress Conditions. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2023, 26, 32-44.	0.7	0
3605	Salt-Tolerant Crops: Time to Deliver. <i>Annual Review of Plant Biology</i> , 2023, 74, 671-696.	8.6	18

#	ARTICLE	IF	CITATIONS
3606	ZnO nanoparticles efficiently enhance drought tolerance in <i>Dracocephalum kotschyi</i> through altering physiological, biochemical and elemental contents. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	8
3607	Responses of two strawberry cultivars to NaCl-induced salt stress under the influence of ZnO nanoparticles. <i>Saudi Journal of Biological Sciences</i> , 2023, 30, 103623.	1.8	2
3609	Improvement of Salinity Tolerance in Water-Saving and Drought-Resistance Rice (WDR). <i>International Journal of Molecular Sciences</i> , 2023, 24, 5444.	1.8	1
3610	Physiological Role of Arbuscular Mycorrhizae and Vitamin B1 on Productivity and Physio-Biochemical Traits of White Lupine (<i>Lupinus termis</i>) Under Salt Stress. <i>Gesunde Pflanzen</i> , 2023, 75, 1885-1896.	1.7	7
3611	Screening of Soybean Genotypes at Seedling Stage under Salinity Stress. <i>Journal of Crop Breeding</i> , 2021, 13, 124-137.	0.4	1
3612	The Role of the Fungal Endophyte <i>Penicillium Chrysogenum</i> in Tomato Plant under Salinity Stress. <i>Journal of Crop Breeding</i> , 2021, 13, 84-94.	0.4	1
3613	Review of phenotypic response of diatoms to salinization with biotechnological relevance. <i>Hydrobiologia</i> , 2023, 850, 4665-4688.	1.0	3
3614	Transcriptome Analysis of Pecan (<i>Carya illinoensis</i>) Differentially Expressed Genes in Response to Drought Stress. <i>Forests</i> , 2023, 14, 608.	0.9	1
3615	Arbuscular mycorrhizae reduce the response of important plant functional traits to drought and salinity. A meta-analysis study. <i>Functional Plant Biology</i> , 2023, , .	1.1	0
3616	Evolutionary Aspects of the Fructan Syndrome. , 2023, , 75-90.		0
3617	Combined Effect of Salt Stress and Nitrogen Level on the Primary Metabolism of Two Contrasting Hydroponically Grown <i>Cichorium spinosum</i> L. Ecotypes. <i>Biomolecules</i> , 2023, 13, 607.	1.8	1
3618	Physiological changes in lupine plants in response to salt stress and nitric oxide signal. <i>Plant Physiology Reports</i> , 2023, 28, 299-311.	0.7	1
3619	Comparing the salinity tolerance of twenty different wheat genotypes on the basis of their physiological and biochemical parameters under NaCl stress. <i>PLoS ONE</i> , 2023, 18, e0282606.	1.1	10
3620	The Role of Fungal Fuel Cells in Energy Production and the Removal of Pollutants from Wastewater. <i>Catalysts</i> , 2023, 13, 687.	1.6	5
3621	Exogenous Calcium Reinforces Photosynthetic Pigment Content and Osmolyte, Enzymatic, and Non-Enzymatic Antioxidants Abundance and Alleviates Salt Stress in Bread Wheat. <i>Plants</i> , 2023, 12, 1532.	1.6	14
3622	<i>Cucumis sativus</i> PHLOEM PROTEIN 2-A1 like gene positively regulates salt stress tolerance in cucumber seedlings. <i>Plant Molecular Biology</i> , 2023, 111, 493-504.	2.0	1
3623	Analysis of the main antioxidant enzymes in the roots of <i>Tamarix ramosissima</i> under NaCl stress by applying exogenous potassium (K ⁺). <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	3
3624	Chitosan-Magnesium Oxide Nanoparticles Improve Salinity Tolerance in Rice (<i>Oryza sativa</i> L.). <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 20649-20660.	4.0	5

#	ARTICLE	IF	CITATIONS
3641	Role of endophytic bacteria in regulating physiological and molecular aspects of plants under abiotic stress. , 2023, , 435-453.		0
3664	Mutagenesis in Somatic Cell and Tissue. , 2023, , 137-150.		0
3671	Halotolerance mechanisms in salt-tolerant cyanobacteria. Advances in Applied Microbiology, 2023, , .	1.3	0
3676	Metabolic and genomic traits of PGPR in salinity stress. , 2023, , 233-243.		0
3683	Melatonin-Mediated Salt Stress Tolerance in Plants. Plant in Challenging Environments, 2023, , 299-312.	0.4	0
3692	Potential role of tocopherol in protecting crop plants against abiotic stresses. Physiology and Molecular Biology of Plants, 2023, 29, 1563-1575.	1.4	0
3693	Plant endophytes: unveiling hidden applications toward agro-environment sustainability. Folia Microbiologica, 2024, 69, 181-206.	1.1	2
3701	Perspective Chapter: Rootstock-Scion Interaction Effect on Improving Salt Tolerance in Fruit Trees. , 0, , .		0
3703	Halophytic Plants: A Potential Resource That Reduces Water Crisis in Future. , 2023, , 347-363.		0
3704	Crop Plants and Grasses as Potential Phytoremediators: Physiological Perspectives and Efficient Mitigating Strategies. , 2023, , 465-490.		0
3705	Physiological and Postharvest Quality Changes of Horticultural Crops Under Salt Stress. , 2023, , 97-119.		0
3721	Biochemical, Physiological, and Molecular Mechanisms of Plant Adaptation to Salinity. , 2023, , 895-914.		0
3725	Genetic Enhancement for Salt Tolerance in Rice. , 2023, , 40-84.		0
3726	Harnessing Rhizospheric Microbes for Eco-friendly and Sustainable Crop Production in Saline Environments. Current Microbiology, 2024, 81, .	1.0	1
3731	Fundamentals of Crop Resistance to Salinity: Plant Characters and Selection Criteria. Earth and Environmental Sciences Library, 2023, , 119-185.	0.3	0
3732	Breeding Efforts and Biotechnology. Earth and Environmental Sciences Library, 2023, , 247-300.	0.3	0
3734	Protective Mechanisms of Salinity Stress: How Do Plants Resilient Salinity Conditions?. Earth and Environmental Sciences Library, 2023, , 95-118.	0.3	0
3735	Salinity and Its Impact on Sustainable Crop Production. Earth and Environmental Sciences Library, 2023, , 29-92.	0.3	1

#	ARTICLE	IF	CITATIONS
3744	Sorghum: a Star Crop to Combat Abiotic Stresses, Food Insecurity, and Hunger Under a Changing Climate: a Review. Journal of Soil Science and Plant Nutrition, 2024, 24, 74-101.	1.7	1
3756	Effect of Melatonin in Regulating Salt Stress Responses in Plants. , 2024, , 109-139.		0
3759	Strigolactones: Biosynthesis, regulation, signaling, roles, and response to stress. , 2024, , 147-188.		0
3765	CRISPR/Cas Technology: A Climate Saviour or a Genetic Pandoraâ€™s Box?. , 2024, , 735-773.		0