

Photosynthesis under drought and salt stress: regulation to cell

Annals of Botany

103, 551-560

DOI: [10.1093/aob/mcn125](https://doi.org/10.1093/aob/mcn125)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Environmental variability in the early rearing environment generates behaviourally flexible cod: implications for rehabilitating wild populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1107-1113.	1.2	163
3	Proteomic Analysis of Amaranth (<i>Amaranthus hypochondriacus</i>) Leaves under Drought Stress. <i>International Journal of Plant Sciences</i> , 2009, 170, 990-998.	0.6	30
4	Musings about the effects of environment on photosynthesis. <i>Annals of Botany</i> , 2009, 103, 543-549.	1.4	61
5	Water deficit affects mesophyll limitation of leaves more strongly in sun than in shade in two contrasting <i>Picea asperata</i> populations. <i>Tree Physiology</i> , 2009, 29, 1551-1561.	1.4	35
6	Monitoring gene expression of potato under salinity using cDNA microarrays. <i>Plant Cell Reports</i> , 2009, 28, 1799-1816.	2.8	27
7	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
8	Causes of decreased photosynthetic rate and metabolic capacity in water-deficient leaf cells: a critical evaluation of mechanisms and integration of processes. <i>Annals of Botany</i> , 2009, 103, 561-579.	1.4	638
9	Metabolic responses to salt stress of barley (<i>Hordeum vulgare</i> L.) cultivars, Sahara and Clipper, which differ in salinity tolerance. <i>Journal of Experimental Botany</i> , 2009, 60, 4089-4103.	2.4	375
10	Toward a more holistic perspective of soil erosion: Why aeolian research needs to explicitly consider fluvial processes and interactions. <i>Aeolian Research</i> , 2009, 1, 9-17.	1.1	99
11	Photosynthesis limitations during water stress acclimation and recovery in the drought-adapted <i>Vitis</i> hybrid Richter-110 (<i>V. berlandieri</i> — <i>V. rupestris</i>). <i>Journal of Experimental Botany</i> , 2009, 60, 2361-2377.	2.4	294
12	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
13	Oil palm biotechnologies are definitely out of infancy. <i>Oleagineux Corps Gras Lipides</i> , 2010, 17, 368-374.	0.2	6
14	Characterization of phytoene synthases from cassava and their involvement in abiotic stress-mediated responses. <i>Planta</i> , 2010, 232, 1251-1262.	1.6	82
15	Drought response in the spikes of barley: gene expression in the lemma, palea, awn, and seed. <i>Functional and Integrative Genomics</i> , 2010, 10, 191-205.	1.4	93
16	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
17	The evaluation of photosynthetic parameters in maize inbred lines subjected to water deficiency: Can these parameters be used for the prediction of performance of hybrid progeny?. <i>Photosynthetica</i> , 2010, 48, 545-558.	0.9	37
18	Effects of NaCl on surface properties, chlorophyll fluorescence and light remission, and cellular compounds of <i>Grewia tenax</i> (Forssk.) Fiori and <i>Tamarindus indica</i> L. leaves. <i>Plant Growth Regulation</i> , 2010, 61, 253-263.	1.8	20
19	Transcriptome analysis reveals absence of unintended effects in drought-tolerant transgenic plants overexpressing the transcription factor ABF3. <i>BMC Genomics</i> , 2010, 11, 69.	1.2	104

#	ARTICLE	IF	CITATIONS
20	An ecophysiological analysis of salinity tolerance in olive. <i>Environmental and Experimental Botany</i> , 2010, 68, 214-221.	2.0	46
21	Physiological optimality, allocation trade-offs and antioxidant protection linked to better leaf yield performance in drought exposed mulberry. <i>Journal of the Science of Food and Agriculture</i> , 2010, 90, 2649-2659.	1.7	18
22	An efficient procedure for normalizing ionomics data for <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2010, 186, 270-274.	3.5	18
23	The UNITE database for molecular identification of fungi – recent updates and future perspectives. <i>New Phytologist</i> , 2010, 186, 281-285.	3.5	1,563
24	Physiological mechanisms of drought-induced tree mortality are far from being resolved. <i>New Phytologist</i> , 2010, 186, 274-281.	3.5	535
25	Polyphosphate has a central role in the rapid and massive accumulation of phosphorus in extraradical mycelium of an arbuscular mycorrhizal fungus. <i>New Phytologist</i> , 2010, 186, 285-289.	3.5	86
26	A glimpse into the past of land plants and of their mycorrhizal affairs: from fossils to evo-devo. <i>New Phytologist</i> , 2010, 186, 267-270.	3.5	37
27	The mechanisms of carbon starvation: how, when, or does it even occur at all?. <i>New Phytologist</i> , 2010, 186, 264-266.	3.5	226
30	The <i>New Phytologist</i> Tansley Medal. <i>New Phytologist</i> , 2010, 186, 263-264.	3.5	24
32	Proteomic Analysis of Rice Leaves Shows the Different Regulations to Osmotic Stress and Stress Signals. <i>Journal of Integrative Plant Biology</i> , 2010, 52, 981-995.	4.1	20
33	Sex-related adaptive responses to interaction of drought and salinity in <i>Populus yunnanensis</i> . <i>Plant, Cell and Environment</i> , 2010, 33, 1767-1778.	2.8	127
34	Overexpression of an ERF transcription factor <i>TSRF1</i> improves rice drought tolerance. <i>Plant Biotechnology Journal</i> , 2010, 8, 476-488.	4.1	186
35	Influence of drought intensity on the response of six woody karst species subjected to successive cycles of drought and rewatering. <i>Physiologia Plantarum</i> , 2010, 139, 39-54.	2.6	69
36	Molecular and Physiological Analysis of Drought Stress in <i>Arabidopsis</i> Reveals Early Responses Leading to Acclimation in Plant Growth. <i>Plant Physiology</i> , 2010, 154, 1254-1271.	2.3	580
37	Differences in drought sensitivities and photosynthetic limitations between co-occurring C3 and C4 (NADP-ME) Panicoid grasses. <i>Annals of Botany</i> , 2010, 105, 493-503.	1.4	92
38	Effect of salinity and water stress during the reproductive stage on growth, ion concentrations, $\delta^{13}C$, and $\delta^{15}N$ of durum wheat and related amphiploids. <i>Journal of Experimental Botany</i> , 2010, 61, 3529-3542.	2.4	64
39	Drought effects and water use efficiency: improving crop production in dry environments. <i>Functional Plant Biology</i> , 2010, 37, iii.	1.1	35
40	Grapevine under deficit irrigation: hints from physiological and molecular data. <i>Annals of Botany</i> , 2010, 105, 661-676.	1.4	623

#	ARTICLE	IF	CITATIONS
41	Biotechnological implications from abscisic acid (ABA) roles in cold stress and leaf senescence as an important signal for improving plant sustainable survival under abiotic-stressed conditions. <i>Critical Reviews in Biotechnology</i> , 2010, 30, 222-230.	5.1	114
42	Genetic Engineering for Modern Agriculture: Challenges and Perspectives. <i>Annual Review of Plant Biology</i> , 2010, 61, 443-462.	8.6	902
43	Cytokinin-induced photosynthetic adaptability of <i>Zea mays</i> L. to drought stress associated with nitric oxide signal: Probed by ESR spectroscopy and fast OJIP fluorescence rise. <i>Journal of Plant Physiology</i> , 2010, 167, 472-479.	1.6	78
44	Salt stress induces a decrease in excitation energy transfer from phycobilisomes to photosystem II but an increase to photosystem I in the cyanobacterium <i>Spirulina platensis</i> . <i>Journal of Plant Physiology</i> , 2010, 167, 951-958.	1.6	71
45	Responses of forest trees to single and multiple environmental stresses from seedlings to mature plants: Past stress history, stress interactions, tolerance and acclimation. <i>Forest Ecology and Management</i> , 2010, 260, 1623-1639.	1.4	557
46	Mild versus severe stress and BVOCs: thresholds, priming and consequences. <i>Trends in Plant Science</i> , 2010, 15, 145-153.	4.3	311
47	Proline: a multifunctional amino acid. <i>Trends in Plant Science</i> , 2010, 15, 89-97.	4.3	3,090
48	Drought-induced photosynthetic inhibition and autumn recovery in two Mediterranean oak species (<i>Quercus ilex</i> and <i>Quercus suber</i>). <i>Tree Physiology</i> , 2010, 30, 946-956.	1.4	109
49	Transcriptional profiles of drought-responsive genes in modulating transcription signal transduction, and biochemical pathways in tomato. <i>Journal of Experimental Botany</i> , 2010, 61, 3563-3575.	2.4	192
50	Plant physiology and proteomics reveals the leaf response to drought in alfalfa (<i>Medicago sativa</i> L.). <i>Journal of Experimental Botany</i> , 2011, 62, 111-123.	2.4	227
51	Membrane Transport, Sensing and Signaling in Plant Adaptation to Environmental Stress. <i>Plant and Cell Physiology</i> , 2011, 52, 1583-1602.	1.5	248
52	A Reciprocal ¹⁵ N-Labeling Proteomic Analysis of Expanding <i>Arabidopsis</i> Leaves Subjected to Osmotic Stress Indicates Importance of Mitochondria in Preserving Plastid Functions. <i>Journal of Proteome Research</i> , 2011, 10, 1018-1029.	1.8	38
53	Detection of Sugar Accumulation and Expression Levels of Correlative Key Enzymes in Winter Wheat (<i>Triticum aestivum</i>) at Low Temperatures. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 681-687.	0.6	56
54	Leaf conductance and carbon gain under salt-stressed conditions. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	33
55	Recent Updates on Salinity Stress in Rice: From Physiological to Molecular Responses. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 329-377.	2.7	178
56	Opposite changes in leaf dark respiration and soluble sugars with drought in two Mediterranean oaks. <i>Functional Plant Biology</i> , 2011, 38, 1004.	1.1	37
57	Hydrogen peroxide spraying alleviates drought stress in soybean plants. <i>Journal of Plant Physiology</i> , 2011, 168, 1562-1567.	1.6	142
58	Tobacco leaves and roots differ in the expression of proline metabolism-related genes in the course of drought stress and subsequent recovery. <i>Journal of Plant Physiology</i> , 2011, 168, 1588-1597.	1.6	64

#	ARTICLE	IF	CITATIONS
59	Effect of seawater aerosol on leaves of six plant species potentially useful for ornamental purposes in coastal areas. <i>Scientia Horticulturae</i> , 2011, 128, 332-341.	1.7	36
60	Recent Advances in Photosynthesis Under Drought and Salinity. <i>Advances in Botanical Research</i> , 2011, 57, 49-104.	0.5	101
61	Plant Adaptations to Salt and Water Stress. <i>Advances in Botanical Research</i> , 2011, , 1-32.	0.5	149
62	Sodium Chloride Stress Induced Changes in Leaf Osmotic Adjustment of Trifoliolate Orange (<i>Poncirus</i>) Tj ETQq1 1 0.784314 rgBT /Overto Cluj-Napoca, 2011, 39, 64.	0.5	11
63	AclimataÃÃo ao estresse salino em plantas de arroz induzida pelo prÃo-tratamento com H2O2. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2011, 15, 416-423.	0.4	27
64	Indicadores de estresse salino em abacaxizeiro cultivado na ausÃncia e presenÃa de fitorreguladores. <i>Revista Brasileira De Fruticultura</i> , 2011, 33, 698-705.	0.2	1
65	Water relations and some aspects of leaf metabolism of <i>Jatropha curcas</i> young plants under two water deficit levels and recovery. <i>Brazilian Journal of Plant Physiology</i> , 2011, 23, 123-130.	0.5	20
66	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
67	Physiology and proteomics of drought stress acclimation in sunflower (<i>Helianthus annuus</i> L.). <i>Plant Biology</i> , 2011, 13, 632-642.	1.8	100
68	Spatioâtemporal heterogeneity in <i>Arabidopsis thaliana</i> leaves under drought stress. <i>Plant Biology</i> , 2012, 14, 118-128.	1.8	90
69	Responses to water stress of gas exchange and metabolites in <i>Eucalyptus</i> and <i>Acacia</i> spp.. <i>Plant, Cell and Environment</i> , 2011, 34, 1609-1629.	2.8	105
70	Wholeâsystem responses of experimental plant communities to climate extremes imposed in different seasons. <i>New Phytologist</i> , 2011, 189, 806-817.	3.5	220
71	Assessment of changes in photosystem II structure and function as affected by water deficit in <i>Amaranthus hypochondriacus</i> L. and <i>Amaranthus hybridus</i> L.. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 978-984.	2.8	27
72	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
73	The impact of UV-radiation on the physiology and biochemistry of <i>Ligustrum vulgare</i> exposed to different visible-light irradiance. <i>Environmental and Experimental Botany</i> , 2011, 70, 88-95.	2.0	39
74	Effect of salinity and PEG-induced water stress on water status, gas exchange, solute accumulation, and leaf growth in <i>Ipomoea pes-caprae</i> . <i>Environmental and Experimental Botany</i> , 2011, 70, 192-203.	2.0	64
75	Gas exchange and JIP-test parameters of two Mediterranean maquis species are affected by sea spray and ozone interaction. <i>Environmental and Experimental Botany</i> , 2011, 73, 80-88.	2.0	24
76	Effect of cytokinins on oxidative stress in tobacco plants under nitrogen deficiency. <i>Environmental and Experimental Botany</i> , 2011, 72, 167-173.	2.0	58

#	ARTICLE	IF	CITATIONS
77	Arabidopsis Seed Germination Under Abiotic Stress as a Concert of Action of Phytohormones. OMICS A Journal of Integrative Biology, 2011, 15, 763-774.	1.0	68
78	Photosynthesis and drought: can we make metabolic connections from available data?. Journal of Experimental Botany, 2011, 62, 869-882.	2.4	789
79	Potassium-induced alleviation of salinity stress in Brassica campestris L.. Open Life Sciences, 2011, 6, 1054-1063.	0.6	20
80	Exogenous proline induces soluble sugar accumulation and alleviates drought stress effects on photosystem II functioning of Arabidopsis thaliana leaves. Plant Growth Regulation, 2011, 65, 315-325.	1.8	133
81	Water-stress and N-nutrition effects on photosynthesis and growth of Brassica carinata. Photosynthetica, 2011, 49, 309-315.	0.9	31
82	Mechanism of xanthophyll-cycle-mediated photoprotection in Cerasus humilis seedlings under water stress and subsequent recovery. Photosynthetica, 2011, 49, 523-530.	0.9	30
83	Proteomic response of barley leaves to salinity. Molecular Biology Reports, 2011, 38, 5055-5063.	1.0	72
84	Overexpression of HARDY, an AP2/ERF gene from Arabidopsis, improves drought and salt tolerance by reducing transpiration and sodium uptake in transgenic Trifolium alexandrinum L.. Planta, 2011, 233, 1265-1276.	1.6	102
85	The aba3-1 Mutant of Arabidopsis thaliana Withstands Moderate Doses of Salt Stress by Modulating Leaf Growth and Salicylic Acid Levels. Journal of Plant Growth Regulation, 2011, 30, 456-466.	2.8	22
86	Drought induces opposite changes in the concentration of non-structural carbohydrates of two evergreen Nothofagus species of differential drought resistance. Annals of Forest Science, 2011, 68, 415-424.	0.8	86
87	Physiological aspects of tolerance in Atriplex halimus L. to NaCl and drought. Acta Physiologiae Plantarum, 2011, 33, 547-557.	1.0	37
88	Photosynthesis and antioxidative enzyme activities in five Indian mangroves with respect to their adaptability. Acta Physiologiae Plantarum, 2011, 33, 803-810.	1.0	14
89	Analysis of salinity effects on basil leaf surface area, photosynthetic activity, and growth. Acta Physiologiae Plantarum, 2011, 33, 823-833.	1.0	30
90	Salicylic acid mitigates salinity stress by improving antioxidant defence system and enhances vincristine and vinblastine alkaloids production in periwinkle [Catharanthus roseus (L.) G. Don]. Acta Physiologiae Plantarum, 2011, 33, 987-999.	1.0	103
91	Responses of photosynthetic capacity to soil moisture gradient in perennial rhizome grass and perennial bunchgrass. BMC Plant Biology, 2011, 11, 21.	1.6	59
92	A transcriptional analysis of carotenoid, chlorophyll and plastidial isoprenoid biosynthesis genes during development and osmotic stress responses in Arabidopsis thaliana. BMC Systems Biology, 2011, 5, 77.	3.0	128
93	Genetic, proteomic and metabolic analysis of the regulation of energy storage in rice seedlings in response to drought. Proteomics, 2011, 11, 4122-4138.	1.3	76
94	Proteomic analysis of defense response of wildtype <i>Arabidopsis thaliana</i> and plants with impaired NO homeostasis. Proteomics, 2011, 11, 1664-1683.	1.3	55

#	ARTICLE	IF	CITATIONS
95	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
96	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
97	Comparative study of transcriptional and physiological responses to salinity stress in two contrasting <i>Populus alba</i> L. genotypes. <i>Tree Physiology</i> , 2011, 31, 1335-1355.	1.4	44
98	Water deficits uncouple growth from photosynthesis, increase C content, and modify the relationships between C and growth in sink organs. <i>Journal of Experimental Botany</i> , 2011, 62, 1715-1729.	2.4	623
99	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
100	Assessment of salinity-induced photorespiratory glycolate metabolism in <i>Anabaena</i> sp. PCC 7120. <i>Microbiology (United Kingdom)</i> , 2011, 157, 911-917.	0.7	22
101	FOXO Regulates Organ-Specific Phenotypic Plasticity In <i>Drosophila</i> . <i>PLoS Genetics</i> , 2011, 7, e1002373.	1.5	141
102	Roles of xanthophylls and exogenous ABA in protection against NaCl-induced photodamage in rice (<i>Oryza sativa</i> L) and cabbage (<i>Brassica campestris</i>). <i>Journal of Experimental Botany</i> , 2011, 62, 4617-4625.	2.4	45
103	Identification of Quantitative Trait Loci Linked to Drought Tolerance in a Colonial \bar{A} - Creeping Bentgrass Hybrid Population. <i>Crop Science</i> , 2012, 52, 1891-1901.	0.8	17
104	Possible Role of Nutritional Priming for Early Salt and Drought Stress Responses in <i>Medicago truncatula</i> . <i>Frontiers in Plant Science</i> , 2012, 3, 285.	1.7	28
105	Drought and Salinity Stress: Changes in Hydratase and Dehydratase Activities of Thylakoid-Associated Carbonic Anhydrase in Pea Seedlings. <i>International Journal of Plant Sciences</i> , 2012, 173, 7-15.	0.6	2
106	Early drought stress detection in cereals: simplex volume maximisation for hyperspectral image analysis. <i>Functional Plant Biology</i> , 2012, 39, 878.	1.1	119
107	Nitrogen further promotes a dominant salt marsh plant in an increasingly saline environment. <i>Journal of Plant Ecology</i> , 2012, 5, 429-441.	1.2	21
108	Changes in the chloroplast proteome following water deficit and subsequent watering in a high- and a low-drought-tolerant genotype of <i>Festuca arundinacea</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 6161-6172.	2.4	77
109	Posttranscriptional Control of Photosynthetic mRNA Decay under Stress Conditions Requires 3' UTR and 5' UTR Untranslated Regions and Correlates with Differential Polysome Association in Rice \bar{A} . <i>Plant Physiology</i> , 2012, 159, 1111-1124.	2.3	68
110	Effect of salt stress on genes encoding translation-associated proteins in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 1095-1102.	1.2	49
111	DETECTION AND DECOMPOSITION: TREATMENT-INDUCED CYCLIC GENE EXPRESSION DISRUPTION IN HIGH-THROUGHPUT TIME-SERIES DATASETS. <i>Journal of Bioinformatics and Computational Biology</i> , 2012, 10, 1271002.	0.3	0
112	Enhancement of Non-Photochemical Quenching in the Bryophyte <i>Physcomitrella patens</i> During Acclimation to Salt and Osmotic Stress. <i>Plant and Cell Physiology</i> , 2012, 53, 1815-1825.	1.5	53

#	ARTICLE	IF	CITATIONS
113	Difference in Sodium Spatial Distribution in the Shoot of Two Canola Cultivars Under Saline Stress. <i>Plant and Cell Physiology</i> , 2012, 53, 1083-1092.	1.5	16
114	Plants as Phytosensors: Physiological Responses of a Woody Plant in Response to RDX Exposure and Potential for Remote Detection. <i>International Journal of Plant Sciences</i> , 2012, 173, 1005-1014.	0.6	14
115	Plant responsiveness to root-to-root communication of stress cues. <i>Annals of Botany</i> , 2012, 110, 271-280.	1.4	58
116	Leaf-Level Gas Exchange and Foliar Chemistry of Common Old-Field Species Responding to Warming and Precipitation Treatments. <i>International Journal of Plant Sciences</i> , 2012, 173, 957-970.	0.6	14
117	Changes in photosynthetic activity in five common hybrids of oil palm (<i>Elaeis guineensis</i> Jacq.) seedlings under water deficit. <i>Photosynthetica</i> , 2012, 50, 549-556.	0.9	31
118	Over-expression of a cytosolic isoform of the HbCuZnSOD gene in <i>Hevea brasiliensis</i> changes its response to a water deficit. <i>Plant Molecular Biology</i> , 2012, 80, 255-272.	2.0	42
119	Improving crop production in the arid Mediterranean climate. <i>Field Crops Research</i> , 2012, 128, 34-47.	2.3	136
120	Expression of AtSAP5 in cotton up-regulates putative stress-responsive genes and improves the tolerance to rapidly developing water deficit and moderate heat stress. <i>Journal of Plant Physiology</i> , 2012, 169, 1261-1270.	1.6	59
121	The use of metabolomics integrated with transcriptomic and proteomic studies for identifying key steps involved in the control of nitrogen metabolism in crops such as maize. <i>Journal of Experimental Botany</i> , 2012, 63, 5017-5033.	2.4	175
123	Photosynthesis in desiccation tolerant plants: Energy metabolism and antioxidative stress defense. <i>Plant Science</i> , 2012, 182, 29-41.	1.7	185
124	Genome-wide transcriptional response of <i>Populus euphratica</i> to long-term drought stress. <i>Plant Science</i> , 2012, 195, 24-35.	1.7	50
125	An Insight into the Role of Salicylic Acid and Jasmonic Acid in Salt Stress Tolerance. , 2012, , 277-300.		54
126	Role of Phytohormone Signaling During Stress. , 2012, , 381-393.		11
127	An artificial capillary barrier to improve root-zone conditions for horticultural crops: Response of pepper plants to matrix head and irrigation water salinity. <i>Agricultural Water Management</i> , 2012, 105, 13-20.	2.4	14
128	Interaction of proline, sugars, and anthocyanins during photosynthetic acclimation of <i>Arabidopsis thaliana</i> to drought stress. <i>Journal of Plant Physiology</i> , 2012, 169, 577-585.	1.6	242
129	Responses of growth and primary metabolism of water-stressed barley roots to rehydration. <i>Journal of Plant Physiology</i> , 2012, 169, 686-695.	1.6	91
130	Drought stress has contrasting effects on antioxidant enzymes activity and phenylpropanoid biosynthesis in <i>Fraxinus ornus</i> leaves: An excess light stress affair?. <i>Journal of Plant Physiology</i> , 2012, 169, 929-939.	1.6	124
131	Early photosynthetic response of <i>Arabidopsis thaliana</i> to temperature and salt stress conditions. <i>Russian Journal of Plant Physiology</i> , 2012, 59, 640-647.	0.5	6

#	ARTICLE	IF	CITATIONS
132	Transcriptional profiling by cDNA-AFLP analysis showed differential transcript abundance in response to water stress in <i>Populus hopeiensis</i> . BMC Genomics, 2012, 13, 286.	1.2	29
133	Effects of yeast trehalose-6-phosphate synthase 1 on gene expression and carbohydrate contents of potato leaves under drought stress conditions. BMC Plant Biology, 2012, 12, 74.	1.6	59
134	Frequency-based time-series gene expression recomposition using PRIISM. BMC Systems Biology, 2012, 6, 69.	3.0	8
135	Impact of <i>SO₂</i> on <i>Arabidopsis thaliana</i> transcriptome in wildtype and sulfite oxidase knockout plants analyzed by RNA deep sequencing. New Phytologist, 2012, 196, 1074-1085.	3.5	30
136	Chlorophyll a Fluorescence in Abiotic Stress. , 2012, , 359-398.		6
137	The Response of Photosynthesis to Soil Water Stress. , 2012, , 129-144.		24
138	Future Environmental Conditions will Limit Yield in N ₂ Fixing Alfalfa. , 2012, , 363-382.		1

139

#	ARTICLE	IF	CITATIONS
152	Friend or Foe? Exploring the Factors that Determine the Difference Between Positive and Negative Effects on Photosynthesis in Response to Insect Herbivory. , 0, , .		2
153	NADP-Dependent Isocitrate Dehydrogenase from <i>Arabidopsis</i> Roots Contributes in the Mechanism of Defence against the Nitro-Oxidative Stress Induced by Salinity. Scientific World Journal, The, 2012, 2012, 1-9.	0.8	51
154	Evaluaci3n de la tolerancia a estr3s por sequa en cuatro genotipos naturalizados de vid (<i>Vitis</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.1	8
155	Respostas fisiol3gicas de cultivares de soja 3 aduba3o pot3ssica sob diferentes regimes h3dricos. Pesquisa Agropecuaria Brasileira, 2012, 47, 519-527.	0.9	31
156	Efecto del aumento de la temperatura en la fotos3ntesis de una especie alto-andina en dos altitudes. Gayana - Botanica, 2012, 69, 37-45.	0.3	14
157	Physiological and Biochemical Responses of Semiarid Plants Subjected to Water Stress. , 0, , .		3
158	Changes in physiology and protein abundance in salt-stressed wheat chloroplasts. Molecular Biology Reports, 2012, 39, 9059-9074.	1.0	93
159	A bibliometric analysis of research papers published on photosynthesis: 1992-2009. Photosynthetica, 2012, 50, 5-14.	0.9	13
160	Effects of salinity on physiological responses and the photochemical reflectance index in two co-occurring coastal shrubs. Plant and Soil, 2012, 354, 45-55.	1.8	34
161	Elevated CO2 reduces stomatal and metabolic limitations on photosynthesis caused by salinity in <i>Hordeum vulgare</i> . Photosynthesis Research, 2012, 111, 269-283.	1.6	95
162	Pure culture of <i>Metarhizium anisopliae</i> LHL07 reprograms soybean to higher growth and mitigates salt stress. World Journal of Microbiology and Biotechnology, 2012, 28, 1483-1494.	1.7	116
163	Oxidative stress in greater duckweed (<i>Spirodela polyrhiza</i>) caused by long-term NaCl exposure. Acta Physiologiae Plantarum, 2012, 34, 1165-1176.	1.0	31
164	Differential response of photosystem II photochemistry in young and mature leaves of <i>Arabidopsis thaliana</i> to the onset of drought stress. Acta Physiologiae Plantarum, 2012, 34, 1267-1276.	1.0	41
165	Response of the photosynthetic apparatus to a flowering-inductive period by water stress in <i>Citrus</i> . Trees - Structure and Function, 2012, 26, 833-840.	0.9	10
166	The hidden function of photosynthesis: a sensing system for environmental conditions that regulates plant acclimation responses. Protoplasma, 2012, 249, 125-136.	1.0	68
167	Proposing an interdisciplinary and cross-scale framework for global change and food security researches. Agriculture, Ecosystems and Environment, 2012, 156, 57-71.	2.5	45
168	Thermal imaging and carbon isotope composition indicate variation amongst strawberry (<i>Fragaria 3-ananassa</i>) cultivars in stomatal conductance and water use efficiency. Environmental and Experimental Botany, 2012, 76, 7-15.	2.0	45
169	Comparison of salinity tolerance of three <i>Atriplex</i> spp. in well-watered and drying soils. Environmental and Experimental Botany, 2012, 83, 62-72.	2.0	52

#	ARTICLE	IF	CITATIONS
170	Photosynthetic characteristics and enzymatic antioxidant capacity of leaves from wheat cultivars exposed to drought. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1516-1523.	0.5	94
171	Photosynthetic responses to salinity in two obligate halophytes: <i>Sesuvium portulacastrum</i> and <i>Tecticornia indica</i> . <i>South African Journal of Botany</i> , 2012, 79, 39-47.	1.2	60
172	Mechanisms underlying CO ₂ diffusion in leaves. <i>Current Opinion in Plant Biology</i> , 2012, 15, 276-281.	3.5	94
173	Physiological and proteomic responses of cotton (<i>Gossypium herbaceum</i> L.) to drought stress. <i>Plant Physiology and Biochemistry</i> , 2012, 53, 6-18.	2.8	204
174	Effect of salt treatment on theanine biosynthesis in <i>Camellia sinensis</i> seedlings. <i>Plant Physiology and Biochemistry</i> , 2012, 56, 35-40.	2.8	43
175	Physiological analysis of common bean (<i>Phaseolus vulgaris</i> L.) cultivars uncovers characteristics related to terminal drought resistance. <i>Plant Physiology and Biochemistry</i> , 2012, 56, 24-34.	2.8	143
176	Modulation of chlorophyll biosynthesis by water stress in rice seedlings during chloroplast biogenesis*. <i>Plant, Cell and Environment</i> , 2012, 35, 1685-1703.	2.8	111
177	Effects of salt stress on the structure and function of the photosynthetic apparatus in <i>Cucumis sativus</i> and its protection by exogenous putrescine. <i>Physiologia Plantarum</i> , 2012, 146, 285-296.	2.6	142
178	Constitutive accumulation of zeaxanthin in tomato alleviates salt stress-induced photoinhibition and photooxidation. <i>Physiologia Plantarum</i> , 2012, 146, 363-373.	2.6	38
179	Responses of Photosynthesis and Photosystem II to Higher Temperature and Salt Stress in Sorghum. <i>Journal of Agronomy and Crop Science</i> , 2012, 198, 218-225.	1.7	74
180	Light utilization efficiency in photosynthetic microbial mats. <i>Environmental Microbiology</i> , 2012, 14, 982-992.	1.8	38
181	Photosynthesis and Environments: Photoinhibition and Repair Mechanisms in Plants. <i>Journal of Plant Biology</i> , 2012, 55, 93-101.	0.9	106
182	Spermidine and abscisic acid-mediated phosphorylation of a cytoplasmic protein from rice root in response to salinity stress. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 29-40.	1.0	19
183	Effects of NaCl or Na ₂ SO ₄ salinity on plant growth, ion content and photosynthetic activity in <i>Ocimum basilicum</i> L.. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 607-615.	1.0	39
184	Towards a synthetic view of potato cold and salt stress response by transcriptomic and proteomic analyses. <i>Plant Molecular Biology</i> , 2012, 78, 503-514.	2.0	86
185	The PAL2 promoter activities in relation to structural development and adaptation in <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2012, 235, 267-277.	1.6	16
186	Proteomic analysis of salinity-stressed <i>Chlamydomonas reinhardtii</i> revealed differential suppression and induction of a large number of important housekeeping proteins. <i>Planta</i> , 2012, 235, 649-659.	1.6	27
187	Physiological and biochemical responses of <i>Quercus pubescens</i> to air warming and drought on acidic and calcareous soils. <i>Plant Biology</i> , 2013, 15, 157-168.	1.8	33

#	ARTICLE	IF	CITATIONS
188	Differential Effects of Ornithine Enantiomers on the Activity of Anti-oxidant Enzymes, Polyamines Content, and Growth of Tobacco Cells under Osmotic Stresses. <i>Chirality</i> , 2013, 25, 583-588.	1.3	3
189	Effect of gamma radiation on wheat plant growth due to impact on gas exchange characteristics and mineral nutrient uptake and utilization. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 249-257.	0.7	31
190	Comparative study of putative 9-cis-epoxycarotenoid dioxygenase and abscisic acid accumulation in the responses of Sunki mandarin and Rangpur lime to water deficit. <i>Molecular Biology Reports</i> , 2013, 40, 5339-5349.	1.0	29
191	Sequence of physiological responses in groundnut (<i>Arachis hypogaea</i> L.) subjected to soil moisture deficit. <i>Photosynthetica</i> , 2013, 51, 395-403.	0.9	2
192	Photosynthesis, energy partitioning, and metabolic adjustments of the endangered Cistaceae species <i>Tuberaria major</i> under high temperature and drought. <i>Photosynthetica</i> , 2013, 51, 75-84.	0.9	22
193	<i>Populus euphratica</i> : the transcriptomic response to drought stress. <i>Plant Molecular Biology</i> , 2013, 83, 539-557.	2.0	84
194	Tree-ring wood anatomy and stable isotopes show structural and functional adjustments in olive trees under different water availability. <i>Plant and Soil</i> , 2013, 372, 567-579.	1.8	37
195	Distinguishing natural from anthropogenic stress in plants: physiology, fluorescence and hyperspectral reflectance. <i>Plant and Soil</i> , 2013, 366, 133-141.	1.8	28
196	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
197	Photosynthetic electron transport and specific photoprotective responses in wheat leaves under drought stress. <i>Photosynthesis Research</i> , 2013, 117, 529-546.	1.6	283
198	Variation in Rubisco content and activity under variable climatic factors. <i>Photosynthesis Research</i> , 2013, 117, 73-90.	1.6	123
199	Coping with abiotic stress: Proteome changes for crop improvement. <i>Journal of Proteomics</i> , 2013, 93, 145-168.	1.2	93
200	<sc>MULTIPASS</sc>, a rice R2R3-type <sc>MYB</sc> transcription factor, regulates adaptive growth by integrating multiple hormonal pathways. <i>Plant Journal</i> , 2013, 76, 258-273.	2.8	74
201	Physiological and proteomics analyses of Holm oak (<i>Quercus ilex</i> subsp. <i>ballota</i> [Desf.] Samp.) responses to <i>Phytophthora cinnamomi</i> . <i>Plant Physiology and Biochemistry</i> , 2013, 71, 191-202.	2.8	56
202	Proline Mechanisms of Stress Survival. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 998-1011.	2.5	828
203	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
204	Water Stress and Agriculture. , 2013, , .		7
205	Photosynthesis under stressful environments: An overview. <i>Photosynthetica</i> , 2013, 51, 163-190.	0.9	1,420

#	ARTICLE	IF	CITATIONS
206	Salt-stress induced changes in the leaf proteome of diploid and tetraploid mandarins with contrasting Na ⁺ and Cl ⁻ accumulation behaviour. <i>Journal of Plant Physiology</i> , 2013, 170, 1101-1112.	1.6	51
207	Salt Stress in Plants. , 2013, , .		50
208	Crop crop/cropping Responses to Available Soil Water crop/cropping Responses to available soil water. , 2013, , 615-637.		0
209	Physiological mechanisms involved in the recovery of euonymus and laurustinus subjected to saline waters. <i>Agricultural Water Management</i> , 2013, 128, 131-139.	2.4	26
210	Effects of drought on the microtranscriptome of field-grown sugarcane plants. <i>Planta</i> , 2013, 237, 783-798.	1.6	59
211	Effects of low nitrogen supply on relationships between photosynthesis and nitrogen status at different leaf position in wheat seedlings. <i>Plant Growth Regulation</i> , 2013, 70, 257-263.	1.8	62
212	The photosynthetic response of tobacco plants overexpressing ice plant aquaporin McMIPB to a soil water deficit and high vapor pressure deficit. <i>Journal of Plant Research</i> , 2013, 126, 517-527.	1.2	50
213	Response of antioxidant and osmoprotective systems of wheat seedlings to drought and rehydration. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 343-350.	0.5	20
214	Current state of the problem of water relations in plants under water deficit. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 165-175.	0.5	32
215	Overexpression of the Arabidopsis photorespiratory pathway gene, serine: glyoxylate aminotransferase (AtAGT1), leads to salt stress tolerance in transgenic duckweed (<i>Lemna minor</i>). <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 113, 407-416.	1.2	54
216	ACC Deaminase-Containing <i>Bacillus subtilis</i> Reduces Stress Ethylene-Induced Damage and Improves Mycorrhizal Colonization and Rhizobial Nodulation in <i>Trigonella foenum-graecum</i> Under Drought Stress. <i>Journal of Plant Growth Regulation</i> , 2013, 32, 809-822.	2.8	106
217	Diffuse Water Pollution by Anthraquinone and Azo Dyes in Environment Importantly Alters Foliage Volatiles, Carotenoids and Physiology in Wheat (<i>Triticum aestivum</i>). <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	66
218	Leaf carbon isotope ratio and water use efficiency of urban roadside trees in summer in Kyoto city. <i>Ecological Research</i> , 2013, 28, 725-734.	0.7	9
219	Groundwater circulation relative to water quality and vegetation in an arid transitional zone linking oasis, desert and river. <i>Science Bulletin</i> , 2013, 58, 3088-3097.	1.7	17
220	The integration of activity in saline environments: problems and perspectives. <i>Functional Plant Biology</i> , 2013, 40, 759.	1.1	79
221	Ecophysiology of invasive plants: osmotic adjustment and antioxidants. <i>Trends in Plant Science</i> , 2013, 18, 660-666.	4.3	74
222	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
223	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

#	ARTICLE	IF	CITATIONS
224	Effects of cytokinin on photosynthetic gas exchange, chlorophyll fluorescence parameters, antioxidative system and carbohydrate accumulation in cucumber (<i>Cucumis sativus</i> L.) under low light. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1427-1438.	1.0	36
225	Interdependence of plant water status with photosynthetic performance and root defense responses in <i>Vigna radiata</i> (L.) Wilczek under progressive drought stress and recovery. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 127, 170-181.	1.7	35
226	Long-term exogenous application of melatonin delays drought-induced leaf senescence in apple. <i>Journal of Pineal Research</i> , 2013, 54, 292-302.	3.4	409
227	Detection of molecular markers associated with yield and yield components in durum wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 12	0.7	12
228	Understanding the Responses of Rice to Environmental Stress Using Proteomics. <i>Journal of Proteome Research</i> , 2013, 12, 4652-4669.	1.8	63
229	Simultaneous Application of Heat, Drought, and Virus to <i>Arabidopsis</i> Plants Reveals Significant Shifts in Signaling Networks. <i>Plant Physiology</i> , 2013, 162, 1849-1866.	2.3	446
230	Photosynthetic enzyme activities and gene expression associated with drought tolerance and post-drought recovery in Kentucky bluegrass. <i>Environmental and Experimental Botany</i> , 2013, 89, 28-35.	2.0	59
231	Biochar mitigates negative effects of salt additions on two herbaceous plant species. <i>Journal of Environmental Management</i> , 2013, 129, 62-68.	3.8	222
232	Physiological, biochemical and molecular responses in four <i>Prunus</i> rootstocks submitted to drought stress. <i>Tree Physiology</i> , 2013, 33, 1061-1075.	1.4	132
233	Regulation and function of <i>Arabidopsis</i> AtGALK2 gene in abscisic acid response signaling. <i>Molecular Biology Reports</i> , 2013, 40, 6605-6612.	1.0	10
234	Two aquaporins of <i>Jatropha</i> are regulated differentially during drought stress and subsequent recovery. <i>Journal of Plant Physiology</i> , 2013, 170, 1028-1038.	1.6	24
235	Comparative physiological analysis of salinity tolerance in rice. <i>Soil Science and Plant Nutrition</i> , 2013, 59, 896-903.	0.8	38
236	Flower Development under Drought Stress: Morphological and Transcriptomic Analyses Reveal Acute Responses and Long-Term Acclimation in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 3785-3807.	3.1	176
237	Superoxide dismutase and ascorbate peroxidase improve the recovery of photosynthesis in sugarcane plants subjected to water deficit and low substrate temperature. <i>Plant Physiology and Biochemistry</i> , 2013, 73, 326-336.	2.8	106
238	Characterization of the response of <i>in vitro</i> cultured <i>Myrtus communis</i> L. plants to high concentrations of NaCl. <i>Plant Physiology and Biochemistry</i> , 2013, 73, 420-426.	2.8	20
239	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
243	Physiological and Proteomic Analyses of Drought Stress Response in Holm Oak Provenances. <i>Journal of Proteome Research</i> , 2013, 12, 5110-5123.	1.8	53
245	A global profiling of uncapped mRNAs under cold stress reveals specific decay patterns and endonucleolytic cleavages in <i>Brachypodium distachyon</i> . <i>Genome Biology</i> , 2013, 14, R92.	13.9	22

#	ARTICLE	IF	CITATIONS
246	Tall fescue endophyte effects on tolerance to water-deficit stress. <i>BMC Plant Biology</i> , 2013, 13, 127.	1.6	128
247	Transpiration and canopy conductance of <i>Caragana korshinskii</i> trees in response to soil moisture in sand land of China. <i>Agroforestry Systems</i> , 2013, 87, 667-678.	0.9	39
248	Four distinct types of dehydration stress memory genes in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2013, 13, 229.	1.6	233
249	Endophytic fungal pre-treatments of seeds alleviates salinity stress effects in soybean plants. <i>Journal of Microbiology</i> , 2013, 51, 850-857.	1.3	41
250	Response of Potato (<i>Solanum tuberosum</i> L.) Germplasm to Water Stress Under In Vitro Conditions. <i>American Journal of Potato Research</i> , 2013, 90, 591-606.	0.5	9
251	Stimulation of chlororespiration by drought under heat and high illumination in <i>Rosa meilandina</i> . <i>Journal of Plant Physiology</i> , 2013, 170, 165-171.	1.6	32
252	Drought stress adaptation: metabolic adjustment and regulation of gene expression. <i>Plant Breeding</i> , 2013, 132, 21-32.	1.0	318
253	Genetic engineering to improve plant performance under drought: physiological evaluation of achievements, limitations, and possibilities. <i>Journal of Experimental Botany</i> , 2013, 64, 83-108.	2.4	265
254	Potentiality of Sulphur-Containing Compounds in Salt Stress Tolerance. , 2013, , 443-472.		26
255	Early physiological responses of <i>Abies alba</i> and <i>Rubus fruticosus</i> to ungulate herbivory. <i>Plant Ecology</i> , 2013, 214, 127-138.	0.7	11
256	Differential changes in grain ultrastructure, amylase, protein and amino acid profiles between Tibetan wild and cultivated barleys under drought and salinity alone and combined stress. <i>Food Chemistry</i> , 2013, 141, 2743-2750.	4.2	66
257	Effects of soil water and nitrogen availability on photosynthesis and water use efficiency of <i>Robinia pseudoacacia</i> seedlings. <i>Journal of Environmental Sciences</i> , 2013, 25, 585-595.	3.2	63
259	Responses of foliar antioxidative and photoprotective defence systems of trees to drought: a meta-analysis. <i>Tree Physiology</i> , 2013, 33, 1018-1029.	1.4	44
260	Rubisco gene expression and photosynthetic characteristics of cucumber seedlings in response to water deficit. <i>Scientia Horticulturae</i> , 2013, 161, 81-87.	1.7	44
261	Morpho-physiological variations in response to NaCl stress during vegetative and reproductive development of rice. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 323-333.	1.0	30
262	Phytohormones and microRNAs as sensors and regulators of leaf senescence: Assigning macro roles to small molecules. <i>Biotechnology Advances</i> , 2013, 31, 1153-1171.	6.0	84
263	Improving Salt Tolerance in Rice: Looking Beyond the Conventional. , 2013, , 219-260.		23
264	Enhancing Plant Productivity Under Salt Stress: Relevance of Poly-omics. , 2013, , 113-156.		61

#	ARTICLE	IF	CITATIONS
265	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
266	Carrying Capacity for Aquaculture, Modeling Frameworks for Determination of. , 2013, , 417-448.		13
268	Changes in Photosystem II in Response to Salt Stress. , 2013, , 149-168.		15
269	Proteomics reveal cucumber Spd-responses under normal condition and salt stress. <i>Plant Physiology and Biochemistry</i> , 2013, 67, 7-14.	2.8	54
270	Drought tolerance acquisition in <i>Eucalyptus globulus</i> (Labill.): A research on plant morphology, physiology and proteomics. <i>Journal of Proteomics</i> , 2013, 79, 263-276.	1.2	35
271	Alleviation of Salinity Stress With Sodium Nitroprusside in Tomato. <i>International Journal of Vegetable Science</i> , 2013, 19, 164-176.	0.6	13
272	Photosynthetic and growth responses of a perennial halophytic grass <i>Panicum turgidum</i> to increasing NaCl concentrations. <i>Environmental and Experimental Botany</i> , 2013, 91, 22-29.	2.0	131
273	Functional roles of flavonoids in photoprotection: New evidence, lessons from the past. <i>Plant Physiology and Biochemistry</i> , 2013, 72, 35-45.	2.8	452
274	Three cycles of water deficit from seed to young plants of <i>Moringa oleifera</i> woody species improves stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2013, 63, 200-208.	2.8	57
275	Photosynthetic response of sweet sorghum to drought and rewatering at different growth stages. <i>Physiologia Plantarum</i> , 2013, 149, 56-66.	2.6	31
276	Metabolomics as a Tool to Investigate Abiotic Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2013, 14, 4885-4911.	1.8	526
277	A DESD-box helicase functions in salinity stress tolerance by improving photosynthesis and antioxidant machinery in rice (<i>Oryza sativa</i> L. cv. PB1). <i>Plant Molecular Biology</i> , 2013, 82, 1-22.	2.0	79
278	Potassium and stress alleviation: Physiological functions and management of cotton. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 331-343.	1.1	101
279	Crop Traits crop/cropping trait : Gene Isolation crop/cropping trait gene isolation. , 2013, , 667-698.		0
280	Competitive Strategies and Growth of Neighbouring <i>Bromus valdivianus</i> Phil. and <i>Lolium perenne</i> L. Plants Under Water Restriction. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 449-459.	1.7	16
281	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
282	Comparative analyses of stress-responsive genes in <i>Arabidopsis thaliana</i> : insight from genomic data mining, functional enrichment, pathway analysis and phenomics. <i>Molecular BioSystems</i> , 2013, 9, 1888.	2.9	26
283	Elucidation of salt stress defense and tolerance mechanisms of crop plants using proteomics-Current achievements and perspectives. <i>Proteomics</i> , 2013, 13, 1885-1900.	1.3	40

#	ARTICLE	IF	CITATIONS
284	Differential response of root proteome to drought stress in drought sensitive and tolerant sunflower inbred lines. <i>Functional Plant Biology</i> , 2013, 40, 609.	1.1	27
285	Drought stress response in <i>Jatropha curcas</i> : Growth and physiology. <i>Environmental and Experimental Botany</i> , 2013, 85, 76-84.	2.0	159
286	Photosynthetic characteristics and quality of five passion fruit varieties under field conditions. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 941-948.	1.0	15
287	Constitutive Expression of a <i>miR319</i> Gene Alters Plant Development and Enhances Salt and Drought Tolerance in Transgenic Creeping Bentgrass. <i>Plant Physiology</i> , 2013, 161, 1375-1391.	2.3	378
288	STIFDB2: An Updated Version of Plant Stress-Responsive Transcription Factor DataBase with Additional Stress Signals, Stress-Responsive Transcription Factor Binding Sites and Stress-Responsive Genes in Arabidopsis and Rice. <i>Plant and Cell Physiology</i> , 2013, 54, e8-e8.	1.5	130
289	Evaluation of abiotic stress tolerance in transgenic potato plants with reduced expression of PSII manganese stabilizing protein. <i>Plant Science</i> , 2013, 198, 7-16.	1.7	57
290	The Long-Term Changes in Midday Photoinhibition in Rice (<i>Oryza sativa</i> L.) Growing under Fluctuating Soil Water Conditions. <i>Plant Production Science</i> , 2013, 16, 287-294.	0.9	5
291	Interaction of Salinity and Phytohormones on Wheat Photosynthetic Traits and Membrane Stability. <i>Agriculture</i> , 2013, 59, 33-41.	0.2	2
292	Water Deficit and Heat Affect the Tolerance to High Illumination in Hibiscus Plants. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5432-5444.	1.8	22
293	Identification of Amplified Fragment Length Polymorphism (AFLP) Markers Tightly Associated with Drought Stress Gene in Male Sterile and Fertile <i>Salvia miltiorrhiza</i> Bunge. <i>International Journal of Molecular Sciences</i> , 2013, 14, 6518-6528.	1.8	12
294	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
295	REVEALING DROUGHT-RESISTANCE AND PRODUCTIVE PATTERNS IN SUGARCANE GENOTYPES BY EVALUATING BOTH PHYSIOLOGICAL RESPONSES AND STALK YIELD. <i>Experimental Agriculture</i> , 2013, 49, 212-224.	0.4	70
296	Effects of temperature and water deficit on cambial activity and woody ring features in <i>Picea mariana</i> saplings. <i>Tree Physiology</i> , 2013, 33, 1006-1017.	1.4	70
297	Role of Arbuscular Mycorrhiza in Amelioration of Salinity. , 2013, , 301-354.		48
298	Isoprene function in two contrasting poplars under salt and sunflecks. <i>Tree Physiology</i> , 2013, 33, 562-578.	1.4	45
299	Analysis of the Anticancer Phytochemicals in <i>Andrographis paniculata</i> Nees. under Salinity Stress. <i>BioMed Research International</i> , 2013, 2013, 1-11.	0.9	19
300	Drought-induced changes and recovery of photosynthesis in two bean cultivars (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	11
301	Leaf recovery responses during rehydration after water deficit in two bean (<i>Phaseolus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.0	9

#	ARTICLE	IF	CITATIONS
302	Comparative response of <i>C₁₃</i> , <i>C₁₈O</i> and <i>C₁₅N</i> in durum wheat exposed to salinity at the vegetative and reproductive stages. <i>Plant, Cell and Environment</i> , 2013, 36, 1214-1227.	2.8	46
303	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
304	Salicylic acid alleviates adverse effects of heat stress on photosynthesis through changes in proline production and ethylene formation. <i>Plant Signaling and Behavior</i> , 2013, 8, e26374.	1.2	307
305	Developmental stage dependency of the effect of drought stress on photosynthesis in winter wheat (<i>Triticum aestivum</i> L.) varieties. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2013, 61, 13-21.	0.2	3
306	Different photoprotective responses under drought conditions of two predominant Chilean swamp forest species. <i>Gayana - Botanica</i> , 2013, 70, 267-274.	0.3	6
307	NaCl Stress-Induced Reduction in Growth, Photosynthesis and Protein in Mustard. <i>Journal of Agricultural Science</i> , 2013, 5, .	0.1	8
308	Abiotic Stress Tolerance in Plants with Emphasizing on Drought and Salinity Stresses in Walnut. , 2013, , .		9
309	The level of environmental noise affects the physiological performance of <i>Glycine max</i> under water deficit. <i>Theoretical and Experimental Plant Physiology</i> , 2013, 25, 36-45.	1.1	12
310	Foliar application of 28-homobrassinolide mitigates salinity stress by increasing the efficiency of photosynthesis in <i>Brassica juncea</i> . <i>Acta Botanica Brasilica</i> , 2013, 27, 502-505.	0.8	21
311	Landscape Features Impact on Soil Available Water, Corn Biomass, and Gene Expression during the Late Vegetative Stage. <i>Plant Genome</i> , 2013, 6, plantgenome2012.11.0029.	1.6	21
312	Quantifying the relationship between temperature regulation in the ear and floret development stage in wheat (<i>Triticum aestivum</i> L.) under heat and drought stress. <i>Functional Plant Biology</i> , 2013, 40, 700.	1.1	19
313	Water-Deficit Inducible Expression of a Cytokinin Biosynthetic Gene IPT Improves Drought Tolerance in Cotton. <i>PLoS ONE</i> , 2013, 8, e64190.	1.1	104
314	Grain Amaranths Are Defoliation Tolerant Crop Species Capable of Utilizing Stem and Root Carbohydrate Reserves to Sustain Vegetative and Reproductive Growth after Leaf Loss. <i>PLoS ONE</i> , 2013, 8, e67879.	1.1	39
315	Difference in Yield and Physiological Features in Response to Drought and Salinity Combined Stress during Anthesis in Tibetan Wild and Cultivated Barleys. <i>PLoS ONE</i> , 2013, 8, e77869.	1.1	116
316	Gene Expression Analysis of Rice Seedling under Potassium Deprivation Reveals Major Changes in Metabolism and Signaling Components. <i>PLoS ONE</i> , 2013, 8, e70321.	1.1	51
317	Soybean Under Water Deficit: Physiological and Yield Responses. , 2013, , .		9
318	The Molecular Basis of ABA-Mediated Plant Response to Drought. , 0, , .		21
319	Evaluation of some pepper genotypes as rootstocks in water stress conditions. <i>Zahradnictvi (Prague)</i> , Tj ETQq1 1 0,784314 rgBT /Overl 0,3 27	0.3	27

#	ARTICLE	IF	CITATIONS
320	Seagrass Proliferation Precedes Mortality during Hypo-Salinity Events: A Stress-Induced Morphometric Response. PLoS ONE, 2014, 9, e94014.	1.1	44
321	Drought-Tolerance of Wheat Improved by Rhizosphere Bacteria from Harsh Environments: Enhanced Biomass Production and Reduced Emissions of Stress Volatiles. PLoS ONE, 2014, 9, e96086.	1.1	506
322	Physiological and Proteomic Analyses of <i>Saccharum</i> spp. Grown under Salt Stress. PLoS ONE, 2014, 9, e98463.	1.1	39
323	Photosynthetic Diffusional Constraints Affect Yield in Drought Stressed Rice Cultivars during Flowering. PLoS ONE, 2014, 9, e109054.	1.1	75
324	The Altered Water System: Excess Levels of Free Radicals Contribute to Carcinogenesis by Altering Arginine Vasopressin Production and Secretion and Promoting Dysregulated Water Homeostasis in Concert with Other Factors. Physiology Journal, 2014, 2014, 1-7.	0.4	0
325	Salinity Effects on Germination, Growth, Photosynthesis, and Ion Accumulation in Wild <i>Miscanthus sinensis</i> Anderss. Populations. Crop Science, 2014, 54, 2760-2771.	0.8	12
326	Effects of Salinity and Nutrients in Seawater on Hydroponic Culture of Red Leaf Lettuce. Environmental Control in Biology, 2014, 52, 189-195.	0.3	26
327	Physiological changes in eucalyptus hybrids under different irrigation regimes. Revista Ciencia Agronomica, 2014, 45, 805-814.	0.1	7
328	Germinative metabolism of Caatinga forest species in biosaline agriculture. Journal of Seed Science, 2014, 36, 194-203.	0.7	16
329	Photosynthetic responses and acclimation of two castor bean cultivars to repeated drying-wetting cycles. Journal of Plant Interactions, 2014, 9, 783-790.	1.0	6
330	Effects of ACC deaminase containing rhizobacteria on plant growth and expression of Toc GTPases in tomato (<i>Solanum lycopersicum</i>) under salt stress. Botany, 2014, 92, 775-781.	0.5	59
331	Genome-wide analysis of drought induced gene expression changes in flax (<i>Linum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 302	2.0	59
332	Response of plants to water stress. Frontiers in Plant Science, 2014, 5, 86.	1.7	1,091
333	Linking stomatal traits and expression of slow anion channel genes HvSLAH1 and HvSLAC1 with grain yield for increasing salinity tolerance in barley. Frontiers in Plant Science, 2014, 5, 634.	1.7	49
334	<i>Avicennia germinans</i> (black mangrove) vessel architecture is linked to chilling and salinity tolerance in the Gulf of Mexico. Frontiers in Plant Science, 2014, 5, 503.	1.7	54
335	Wheat proteomics: proteome modulation and abiotic stress acclimation. Frontiers in Plant Science, 2014, 5, 684.	1.7	87
336	Physiological and Biochemical Responses of <i>Fibigia Triquetra</i> (DC.) Boiss. to Osmotic Stress. Acta Botanica Croatica, 2014, 73, 347-358.	0.3	1
337	Effect of Water Deficiency and Potassium Application on Plant Growth, Osmolytes and Grain Yield of <i>Brassica Napus</i> Cultivars. Acta Botanica Croatica, 2014, 73, 299-314.	0.3	6

#	ARTICLE	IF	CITATIONS
338	Germination, Growth, Chlorophyll Fluorescence and Ionic Balance in Linseed Seedlings Subjected to Saline and Alkaline Stresses. <i>Plant Production Science</i> , 2014, 17, 20-31.	0.9	13
339	Irrigation of <i>Myrtus communis</i> plants with reclaimed water: morphological and physiological responses to different levels of salinity. <i>Journal of Horticultural Science and Biotechnology</i> , 2014, 89, 487-494.	0.9	21
340	Exogenous Ascorbic Acid and Glutathione Alleviate Oxidative Stress Induced by Salt Stress in the Chloroplasts of <i>Oryza sativa</i> L.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2014, 69, 226-236.	0.6	48
341	Leaf Rolling Reduces Photosynthetic Loss in Maize Under Severe Drought. <i>Acta Botanica Croatica</i> , 2014, 73, 315-332.	0.3	32
342	Abiotic stresses, constraints and improvement strategies in chickpea. <i>Plant Breeding</i> , 2014, 133, 163-178.	1.0	73
343	The Role of Carbohydrates in Plant Resistance to Abiotic Stresses. , 2014, , 229-270.		15
344	The evolutionary fate of γ -pyrroline-5-carboxylate synthetase 1 (<i>P5CS1</i>) genes in allotetraploid <i>Brassica napus</i> . <i>Journal of Systematics and Evolution</i> , 2014, 52, 566-579.	1.6	2
345	Alternative electron sinks are crucial for conferring photoprotection in field-grown cotton under water deficit during flowering and boll setting stages. <i>Functional Plant Biology</i> , 2014, 41, 737.	1.1	44
346	Photosynthetic performance and biochemical adjustments in two co-occurring Mediterranean evergreens, <i>Quercus ilex</i> and <i>Arbutus unedo</i> , differing in salt-exclusion ability. <i>Functional Plant Biology</i> , 2014, 41, 391.	1.1	16
347	Cloning and in silico analysis of a gene encoding a putative Γ^2 -carbonic anhydrase from cowpea (<i>Vigna</i>) Tj ETQq1 1 0.784314 ₂ gBT /Over	1.0	
348	Salinity stress constrains photosynthesis in <i>Fraxinus ornus</i> more when growing in partial shading than in full sunlight: consequences for the antioxidant defence system. <i>Annals of Botany</i> , 2014, 114, 525-538.	1.4	10
349	The role of xylopodium in Na ⁺ exclusion and osmolyte accumulation in faveleira [<i>Cnidoscopus phyllacanthus</i> (d. arg.) Pax et K. Hoffm] under salt stress. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2871-2882.	1.0	3
350	An update on source-to-sink carbon partitioning in tomato. <i>Frontiers in Plant Science</i> , 2014, 5, 516.	1.7	181
351	Transcription Factors in Abiotic Stress Responses: Their Potentials in Crop Improvement. , 2014, , 337-366.		9
352	Differential drought tolerance in tree populations from contrasting elevations. <i>AoB PLANTS</i> , 2014, 6, .	1.2	12
353	Assessment of the viability of using saline reclaimed water in grapefruit in medium to long term. <i>Spanish Journal of Agricultural Research</i> , 2014, 12, 1137.	0.3	29
354	Ontogenetic resource-use strategies in a rare long-lived cycad along environmental gradients. , 2014, 2, cou034-cou034.		21
355	<i>Neotyphodium Coenophialum</i> -Infected Tall Fescue and Its Potential Application in the Phytoremediation of Saline Soils. <i>International Journal of Phytoremediation</i> , 2014, 16, 235-246.	1.7	32

#	ARTICLE	IF	CITATIONS
356	Moderate water stress causes different stomatal and non-stomatal changes in the photosynthetic functioning of <i>Phaseolus vulgaris</i> genotypes. <i>Plant Biology</i> , 2014, 16, 133-146.	1.8	45
357	Cork oak physiological responses to manipulated water availability in a Mediterranean woodland. <i>Agricultural and Forest Meteorology</i> , 2014, 184, 230-242.	1.9	72
358	Rootstock alleviates PEG-induced water stress in grafted pepper seedlings: Physiological responses. <i>Journal of Plant Physiology</i> , 2014, 171, 842-851.	1.6	51
359	Low Root Zone Temperature Exacerbates the Ion Imbalance and Photosynthesis Inhibition and Induces Antioxidant Responses in Tomato Plants Under Salinity. <i>Journal of Integrative Agriculture</i> , 2014, 13, 89-99.	1.7	21
360	Drought impact on water use efficiency and intra-annual density fluctuations in <i>Eucalyptus arborea</i> on <i>Elaeagnus</i> (<i>Italy</i>). <i>Plant, Cell and Environment</i> , 2014, 37, 382-391.	2.8	102
361	Influence of abiotic stresses on plant proteome and metabolome changes. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1-19.	1.0	263
362	Glutathione and transpiration as key factors conditioning oxidative stress in <i>Arabidopsis thaliana</i> exposed to uranium. <i>Planta</i> , 2014, 239, 817-830.	1.6	32
363	Expression analysis of transcripts responsive to osmotic stress in <i>Deschampsia antarctica</i> Desv.. <i>Genes and Genomics</i> , 2014, 36, 283-291.	0.5	4
364	Changes in photosynthesis caused by adaptation of maize seedlings to short-term drought. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 131-135.	0.5	5
365	Antioxidant enzyme responses to salinity stress of <i>Jatropha curcas</i> and <i>J. cinerea</i> at seedling stage. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 53-62.	0.5	17
366	Physiological and biochemical changes of common bermudagrass (<i>Cynodon dactylon</i> [L.] Pers.) under combined salinity and deficit irrigation stresses. <i>South African Journal of Botany</i> , 2014, 92, 83-88.	1.2	33
367	Effects of high salinity irrigation on growth, gas-exchange, and photoprotection in date palms (<i>Phoenix dactylifera</i> L., cv. Medjool). <i>Environmental and Experimental Botany</i> , 2014, 99, 100-109.	2.0	68
368	Proteomics: State of the art to study Mediterranean woody species under stress. <i>Environmental and Experimental Botany</i> , 2014, 103, 117-127.	2.0	24
369	Photosynthetic responses to stress in Mediterranean evergreens: Mechanisms and models. <i>Environmental and Experimental Botany</i> , 2014, 103, 24-41.	2.0	84
370	Volatile organic compound emissions from <i>Alnus glutinosa</i> under interacting drought and herbivory stresses. <i>Environmental and Experimental Botany</i> , 2014, 100, 55-63.	2.0	105
371	Effects of concentrations of sodium chloride on photosynthesis, antioxidative enzymes, growth and fiber yield of hybrid ramie. <i>Plant Physiology and Biochemistry</i> , 2014, 76, 86-93.	2.8	69
372	Effects of water deficiency on mitochondrion functions and polymorphism of respiratory enzymes in plants. <i>Biology Bulletin Reviews</i> , 2014, 4, 36-46.	0.3	2
373	Phenotyping shows improved physiological traits and seed yield of transgenic wheat plants expressing the alfalfa aldose reductase under permanent drought stress. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 663-673.	1.0	61

#	ARTICLE	IF	CITATIONS
374	Analysis of biochemical variations and microRNA expression in wild (<i>Ipomoea campanulata</i>) and cultivated (<i>Jacquemontia pentantha</i>) species exposed to in vivo water stress. <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 57-67.	1.4	14
375	Augmenting drought tolerance in sorghum by silicon nutrition. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 473-483.	1.0	41
376	Analysis of the expression of putative heat-stress related genes in relation to thermotolerance of cork oak. <i>Journal of Plant Physiology</i> , 2014, 171, 399-406.	1.6	27
377	Sorghum (<i>Sorghum bicolor</i>) varieties adopt strongly contrasting strategies in response to drought. <i>Physiologia Plantarum</i> , 2014, 152, 389-401.	2.6	91
378	Drought tolerance in citrus trees is enhanced by rootstock-dependent changes in root growth and carbohydrate availability. <i>Environmental and Experimental Botany</i> , 2014, 101, 26-35.	2.0	72
379	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
380	Leaf gas exchange, water relations and photosystem-II functionality depict anisohydric behavior of drought-stressed mulberry (<i>Morus indica</i> , cv. V1) in the hot semi-arid steppe agroclimate of Southern India. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2014, 209, 142-152.	0.6	9
381	Implications of the mesophyll conductance to CO_2 for photosynthesis and water-use efficiency during long-term water stress and recovery in two contrasting <i>Eucalyptus</i> species. <i>Plant, Cell and Environment</i> , 2014, 37, 2470-2490.	2.8	95
382	Integrating role of ethylene and ABA in tomato plants adaptation to salt stress. <i>Scientia Horticulturae</i> , 2014, 172, 109-116.	1.7	74
383	Salt stress and senescence: identification of cross-talk regulatory components. <i>Journal of Experimental Botany</i> , 2014, 65, 3993-4008.	2.4	113
384	Identification of changes in <i>Triticum aestivum</i> L. leaf proteome in response to drought stress by 2D-PAGE and MALDI-TOF/TOF mass spectrometry. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1385-1398.	1.0	22
385	Genomic Approaches and Abiotic Stress Tolerance in Plants. , 2014, , 1-37.		6
386	Can we forecast the effects of climate change on entomophagous biological control agents?. <i>Pest Management Science</i> , 2014, 70, 853-859.	1.7	29
387	The Physiology of Potassium in Crop Production. <i>Advances in Agronomy</i> , 2014, 126, 203-233.	2.4	158
388	A homolog of <i>ETHYLENE OVERPRODUCER</i> , <i>OsETOL1</i> , differentially modulates drought and submergence tolerance in rice. <i>Plant Journal</i> , 2014, 78, 834-849.	2.8	67
389	Positive regulatory role of strigolactone in plant responses to drought and salt stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 851-856.	3.3	555
390	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
391	Antioxidant Activity in Salt-Stressed Barley Leaves: Evaluating Time- and Age-Dependence and Suitability for the Use as a Biochemical Marker in Breeding Programs. <i>Journal of Agronomy and Crop Science</i> , 2014, 200, 261-272.	1.7	13

#	ARTICLE	IF	CITATIONS
392	Role of chromatin in water stress responses in plants. <i>Journal of Experimental Botany</i> , 2014, 65, 2785-2799.	2.4	80
393	Reactive oxygen species scavenging capacities of cotton (<i>Gossypium hirsutum</i>) cultivars under combined drought and heat induced oxidative stress. <i>Environmental and Experimental Botany</i> , 2014, 99, 141-149.	2.0	135
394	Stomatal and non-stomatal limitations of bell pepper (<i>Capsicum annuum</i> L.) plants under water stress and re-watering: Delayed restoration of photosynthesis during recovery. <i>Environmental and Experimental Botany</i> , 2014, 98, 56-64.	2.0	80
395	Identification of differentially-expressed genes potentially implicated in drought response in pitaya (<i>Hylocereus undatus</i>) by suppression subtractive hybridization and cDNA microarray analysis. <i>Gene</i> , 2014, 533, 322-331.	1.0	36
396	Anatomical and physiological adaptations in aquatic ecotypes of <i>Cyperus alopecuroides</i> Rottb. under saline and waterlogged conditions. <i>Aquatic Botany</i> , 2014, 116, 60-68.	0.8	13
397	Non-invasive tools to estimate stress-induced changes in photosynthetic performance in plants inhabiting Mediterranean areas. <i>Environmental and Experimental Botany</i> , 2014, 103, 42-52.	2.0	58
398	Characterization of tomato Cycling Dof Factors reveals conserved and new functions in the control of flowering time and abiotic stress responses. <i>Journal of Experimental Botany</i> , 2014, 65, 995-1012.	2.4	161
399	Genomics of Plant Genetic Resources. , 2014, , .		16
400	Rubisco decrease is involved in chloroplast protrusion and Rubisco-containing body formation in soybean (<i>Glycine max.</i>) under salt stress. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 118-124.	2.8	65
401	Multiple functions of polyphenols in plants inhabiting unfavorable Mediterranean areas. <i>Environmental and Experimental Botany</i> , 2014, 103, 107-116.	2.0	109
402	The salt resistance of wild soybean (<i>Glycine soja</i> Sieb. et Zucc. ZYD 03262) under NaCl stress is mainly determined by Na ⁺ distribution in the plant. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 61-70.	1.0	34
404	Improved tolerance to drought stress after anthesis due to priming before anthesis in wheat (<i>Triticum aestivum</i> L.) var. Vinjett. <i>Journal of Experimental Botany</i> , 2014, 65, 6441-6456.	2.4	174
405	Osmolyte accumulation, antioxidant enzyme activities and gene expression patterns in leaves of orchardgrass during drought stress and recovery. <i>Grassland Science</i> , 2014, 60, 131-141.	0.6	3
406	Differences in physiological characteristics between two wheat cultivars exposed to field water deficit conditions. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 451-459.	0.5	26
407	Salts and nutrients present in regenerated waters induce changes in water relations, antioxidative metabolism, ion accumulation and restricted ion uptake in <i>Myrtus communis</i> L. plants. <i>Plant Physiology and Biochemistry</i> , 2014, 85, 41-50.	2.8	37
408	Coordinated regulation of photosynthesis in rice increases yield and tolerance to environmental stress. <i>Nature Communications</i> , 2014, 5, 5302.	5.8	254
409	Enhancing Abiotic Stress Tolerance in Plants by Modulating Properties of Stress Responsive Transcription Factors. , 2014, , 291-316.		11
410	Kaolin influences tomato response to salinity: physiological aspects. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2014, 64, 559-571.	0.3	6

#	ARTICLE	IF	CITATIONS
411	Effect of water stress and NaCl triggered changes on yield, physiology, biochemistry of broad bean (<i>Vicia faba</i>) plants and on quality of harvested pods. <i>Biologia (Poland)</i> , 2014, 69, 1010-1017.	0.8	24
412	A comparative study of the early osmotic, ionic, redox and hormonal signaling response in leaves and roots of two halophytes and a glycophyte to salinity. <i>Planta</i> , 2014, 240, 1299-1317.	1.6	89
413	The length of micro-sprinkling hoses delivering supplemental irrigation affects photosynthesis and dry matter production of winter wheat. <i>Field Crops Research</i> , 2014, 168, 65-74.	2.3	24
414	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
415	Improvement of Crops in the Era of Climatic Changes. , 2014, , .		7
416	Comparative proteomic analysis of amaranth mesophyll and bundle sheath chloroplasts and their adaptation to salt stress. <i>Journal of Plant Physiology</i> , 2014, 171, 1423-1435.	1.6	24
417	The ameliorative effects of exogenous melatonin on grape cuttings under water-deficient stress: antioxidant metabolites, leaf anatomy, and chloroplast morphology. <i>Journal of Pineal Research</i> , 2014, 57, 200-212.	3.4	257
418	Water stress and recovery in the performance of two <i>Eucalyptus globulus</i> clones: physiological and biochemical profiles. <i>Physiologia Plantarum</i> , 2014, 150, 580-592.	2.6	67
419	Effect of NaCl and isoosmotic polyethylene glycol stress on gas exchange in shoots of the C₄ xerohalophyte <i>Haloxylon aphyllum</i> (Chenopodiaceae). <i>Photosynthetica</i> , 2014, 52, 437-443.	0.9	8
420	De novo assembly of red clover transcriptome based on RNA-Seq data provides insight into drought response, gene discovery and marker identification. <i>BMC Genomics</i> , 2014, 15, 453.	1.2	117
421	Integrating transcriptional, metabolomic, and physiological responses to drought stress and recovery in switchgrass (<i>Panicum virgatum</i> L.). <i>BMC Genomics</i> , 2014, 15, 527.	1.2	77
422	The role of the F-box gene TaFBA1 from wheat (<i>Triticum aestivum</i> L.) in drought tolerance. <i>Plant Physiology and Biochemistry</i> , 2014, 84, 213-223.	2.8	82
423	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
424	Effects of 5-aminolevulinic acid on Swiss chard (<i>Beta vulgaris</i> L. subsp. <i>cicla</i>) seedling growth under saline conditions. <i>Plant Growth Regulation</i> , 2014, 74, 219-228.	1.8	20
425	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
426	Ecosystem functions are resistant to extreme changes to rainfall regimes in a mesotrophic grassland. <i>Plant and Soil</i> , 2014, 381, 351-365.	1.8	15
427	A better energy allocation of absorbed light in photosystem II and less photooxidative damage contribute to acclimation of <i>Arabidopsis thaliana</i> young leaves to water deficit. <i>Journal of Plant Physiology</i> , 2014, 171, 587-593.	1.6	40
428	Effects of silicon on <i>Zea mays</i> plants exposed to water and oxygen deficiency. <i>Russian Journal of Plant Physiology</i> , 2014, 61, 460-466.	0.5	25

#	ARTICLE	IF	CITATIONS
429	Photosynthetic flexibility in maize exposed to salinity and shade. <i>Journal of Experimental Botany</i> , 2014, 65, 3715-3724.	2.4	68
430	Low CO ₂ does not remove diffusional limitation to photosynthesis in salt stressed tomato during osmotic phase. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 1953-1956.	1.0	4
431	Cloning and expression analysis of the chloroplast fructose-1,6-bisphosphatase gene from <i>Pyropia haitanensis</i> . <i>Acta Oceanologica Sinica</i> , 2014, 33, 92-100.	0.4	42
432	Transcriptome differences between two sister desert poplar species under salt stress. <i>BMC Genomics</i> , 2014, 15, 337.	1.2	50
433	Identification and characterization of nuclear genes involved in photosynthesis in <i>Populus</i> . <i>BMC Plant Biology</i> , 2014, 14, 81.	1.6	20
434	Water-Saving Innovations in Chinese Agriculture. <i>Advances in Agronomy</i> , 2014, , 149-201.	2.4	120
435	Salt secretion, proline accumulation and increased branching confer tolerance to drought and salinity in the endemic halophyte <i>Limonium linifolium</i> . <i>South African Journal of Botany</i> , 2014, 94, 64-73.	1.2	22
436	On the adaptive value of cytoplasmic genomes in plants. <i>Molecular Ecology</i> , 2014, 23, 4899-4911.	2.0	129
437	Acclimation to partial shading or full sunlight determines the performance of container-grown <i>Fraxinus ornus</i> to subsequent drought stress. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 63-70.	2.3	18
438	Heat and water stress induce unique transcriptional signatures of heat-shock proteins and transcription factors in grapevine. <i>Functional and Integrative Genomics</i> , 2014, 14, 135-148.	1.4	65
439	Nitrogen Deficiency Limited the Improvement of Photosynthesis in Maize by Elevated CO ₂ Under Drought. <i>Journal of Integrative Agriculture</i> , 2014, 13, 73-81.	1.7	26
440	Lessons from crop plants struggling with salinity. <i>Plant Science</i> , 2014, 226, 2-13.	1.7	129
441	Role of spermidine and spermine in alleviation of drought-induced oxidative stress and photosynthetic inhibition in Chinese dwarf cherry (<i>Cerasus humilis</i>) seedlings. <i>Plant Growth Regulation</i> , 2014, 74, 209-218.	1.8	43
442	Differential physiological and molecular response of barley genotypes to water deficit. <i>Plant Physiology and Biochemistry</i> , 2014, 80, 234-248.	2.8	44
443	Hormonal dynamics during recovery from drought in two <i>Eucalyptus globulus</i> genotypes: From root to leaf. <i>Plant Physiology and Biochemistry</i> , 2014, 82, 151-160.	2.8	30
444	Diurnal regulation of photosynthesis in <i>Jatropha curcas</i> under drought during summer in a semi-arid region. <i>Biomass and Bioenergy</i> , 2014, 67, 279-287.	2.9	15
445	Leaf micromorphology and sugar may contribute to differences in drought tolerance for two apple cultivars. <i>Plant Physiology and Biochemistry</i> , 2014, 80, 249-258.	2.8	19
446	Toward a better integration of biological data from precipitation manipulation experiments into Earth system models. <i>Reviews of Geophysics</i> , 2014, 52, 412-434.	9.0	39

#	ARTICLE	IF	CITATIONS
447	Global warming impact on rice crop productivity. , 2014, , 212-223.		3
448	Responses to drought stress among sex morphs of <i>Oxyria sinensis</i> (Polygonaceae), a subdioecious perennial herb native to the East Himalayas. <i>Ecology and Evolution</i> , 2014, 4, 4033-4040.	0.8	19
450	RNA-seq Reveals Complicated Transcriptomic Responses to Drought Stress in a Nonmodel Tropic Plant, <i>Bombax ceiba</i> L.. <i>Evolutionary Bioinformatics</i> , 2015, 11s1, EBO.S20620.	0.6	14
451	Wheat acclimate to water deficit by modifying carbohydrates metabolism, water use efficiency, and growth. <i>Revista Brasileira De Botanica</i> , 2015, 38, 505-515.	0.5	9
452	Assessment of drought tolerance of 49 switchgrass (<i>Panicum virgatum</i>) genotypes using physiological and morphological parameters. <i>Biotechnology for Biofuels</i> , 2015, 8, 152.	6.2	85
453	Salinity Tolerance in Wheat Cultivars Is Related to Enhanced Activities of Enzymatic Antioxidants and Reduced Lipid Peroxidation. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1248-1258.	0.7	44
454	The Dynamic Simulation of Photosynthesis in Apple Tree Canopy. , 2015, , .		0
455	Investigating the impacts of recycled water on long-lived conifers. <i>AoB PLANTS</i> , 2015, 7, .	1.2	8
456	Identification of proteins involved in desiccation tolerance in the red seaweed <i>Pyropia orbicularis</i> (Rhodophyta, Bangiales). <i>Proteomics</i> , 2015, 15, 3954-3968.	1.3	47
457	Interactive effects of elevation, species richness and extreme climatic events on plant-pollinator networks. <i>Global Change Biology</i> , 2015, 21, 4086-4097.	4.2	49
458	<i>Jatropha curcas</i> and <i>Ricinus communis</i> display contrasting photosynthetic mechanisms in response to environmental conditions. <i>Scientia Agricola</i> , 2015, 72, 260-269.	0.6	16
459	Differential Effects of Cold Stress on the Antioxidant Response of Mycorrhizal and Non-Mycorrhizal <i>Jatropha curcas</i> (L.) Plants. <i>Journal of Agricultural Science</i> , 2015, 7, .	0.1	7
460	Abiotic Stresses: Insight into Gene Regulation and Protein Expression in Photosynthetic Pathways of Plants. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20392-20416.	1.8	131
461	Polyamines as redox homeostasis regulators during salt stress in plants. <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	153
462	Mongolian Almond (<i>Prunus mongolica</i> Maxim): The Morpho-Physiological, Biochemical and Transcriptomic Response to Drought Stress. <i>PLoS ONE</i> , 2015, 10, e0124442.	1.1	12
463	Characterization of the Transcriptome of the Xerophyte <i>Ammopiptanthus mongolicus</i> Leaves under Drought Stress by 454 Pyrosequencing. <i>PLoS ONE</i> , 2015, 10, e0136495.	1.1	8
464	Proteome Dynamics and Physiological Responses to Short-Term Salt Stress in <i>Brassica napus</i> Leaves. <i>PLoS ONE</i> , 2015, 10, e0144808.	1.1	48
465	Development of salinity tolerance in rice by constitutive-overexpression of genes involved in the regulation of programmed cell death. <i>Frontiers in Plant Science</i> , 2015, 6, 175.	1.7	67

#	ARTICLE	IF	CITATIONS
466	Contrasting photosynthesis and photoinhibition in tetraploid and its autodiploid honeysuckle (<i>Lonicera japonica</i> Thunb.) under salt stress. <i>Frontiers in Plant Science</i> , 2015, 6, 227.	1.7	50
467	Photosynthetic Response of an Alpine Plant, <i>Rhododendron delavayi</i> Franch, to Water Stress and Recovery: The Role of Mesophyll Conductance. <i>Frontiers in Plant Science</i> , 2015, 6, 1089.	1.7	24
468	Multiple abiotic stimuli are integrated in the regulation of rice gene expression under field conditions. <i>ELife</i> , 2015, 4, .	2.8	43
469	Physiological effects of water deficit on two oil palm (<i>Elaeis guineensis</i> Jacq.) genotypes. <i>Agronomia Colombiana</i> , 2015, 33, 164-173.	0.1	22
470	Ecophysiological responses to drought followed by re-watering of two native Chilean swamp forest plants: <i>Myrceugenia exsucca</i> (DC.) O. Berg and <i>Luma chequen</i> (Molina) A. Gray. <i>Gayana - Botanica</i> , 2015, 72, 203-212.	0.3	7
472	CARACTERIZAÇÃFO FOTOSINTÃ%TICA DA ESPÃ%CIE ISOHÃDRICA PATA-DE-ELEFANTE EM CONDIÃ%ES DE DEFICIÃ%NCIA HÃDRICA. <i>Revista Caatinga</i> , 2015, 28, 196-205.	0.3	12
473	Influence of selenium in drought-stressed wheat plants under greenhouse and field conditions. <i>Acta Agriculturae Slovenica</i> , 2015, 105, .	0.2	21
474	Evaluation of water saving practices for myrtle pot plant production. <i>Acta Horticulturae</i> , 2015, , 35-40.	0.1	0
476	Soil water effect on crop growth, leaf gas exchange, water and radiation use efficiency of <i>Saccharum spontaneum</i> L. ssp. <i>aegyptiacum</i> (Willd.) Hackel in semi-arid Mediterranean environment. <i>Italian Journal of Agronomy</i> , 2015, 10, 185-191.	0.4	11
477	Sistema radicular e produtividade de soqueiras de cana-de-açúcar sob diferentes quantidades de palhada. <i>Pesquisa Agropecuaria Brasileira</i> , 2015, 50, 1150-1159.	0.9	25
478	AJUSTAMENTO OSMÃTICO EM MUDAS DE JATOBÃ-SUBMETIDAS Ã€ SALINIDADE EM MEIO HIDROPÃNICO. <i>Revista Arvore</i> , 2015, 39, 641-653.	0.5	10
479	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
480	ZxNHX controls Na ⁺ and K ⁺ homeostasis at the whole-plant level in <i>Zygophyllum xanthoxylum</i> through feedback regulation of the expression of genes involved in their transport. <i>Annals of Botany</i> , 2015, 115, 495-507.	1.4	64
481	Protective effects of <i>Glomus iranicum</i> var. <i>tenuihypharum</i> on soil and <i>Viburnum tinus</i> plants irrigated with treated wastewater under field conditions. <i>Mycorrhiza</i> , 2015, 25, 399-409.	1.3	20
482	Relationship between drought tolerance with activities of antioxidant enzymes in sugarcane. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 145-150.	0.8	10
483	Role of Nitric Oxide in Salt Stress-induced Programmed Cell Death and Defense Mechanisms. , 2015, , 193-219.		3
484	Lateral spacing in drip-irrigated wheat: The effects on soil moisture, yield, and water use efficiency. <i>Field Crops Research</i> , 2015, 179, 52-62.	2.3	77
485	Are betalain pigments the functional homologues of anthocyanins in plants?. <i>Environmental and Experimental Botany</i> , 2015, 119, 48-53.	2.0	87

#	ARTICLE	IF	CITATIONS
486	Elucidation of Abiotic Stress Signaling in Plants. , 2015, , .		12
487	Response of Wheat Seedlings to Combined Effect of Drought and Salinity. , 2015, , 159-198.		3
488	Physiological and biochemical mechanisms of the ornamental <i>Eugenia myrtifolia</i> L. plants for coping with NaCl stress and recovery. <i>Planta</i> , 2015, 242, 829-846.	1.6	120
489	Physiological responses of halophytic & grass <i>Aeluropus litoralis</i> to salinity and arbuscular mycorrhizal fungi colonization. <i>Photosynthetica</i> , 2015, 53, 572-584.	0.9	32
490	Osmotic stress affects physiological responses and growth characteristics of three pistachio cultivars. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	8
491	Sodium chloride-induced spatial and temporal manifestation in membrane stability index and protein profiles of contrasting wheat (<i>Triticum aestivum</i> L.) genotypes under salt stress. <i>Indian Journal of Plant Physiology</i> , 2015, 20, 271-275.	0.8	14
492	Salt sensitivity in chickpea: Growth, photosynthesis, seed yield components and tissue ion regulation in contrasting genotypes. <i>Journal of Plant Physiology</i> , 2015, 182, 1-12.	1.6	92
493	Photosynthetic and antioxidant responses to drought during sugarcane ripening. <i>Photosynthetica</i> , 2015, 53, 547-554.	0.9	34
494	C:N:P Stoichiometry and Leaf Traits of Halophytes in an Arid Saline Environment, Northwest China. <i>PLoS ONE</i> , 2015, 10, e0119935.	1.1	47
496	MicroRNAs and drought responses in sugarcane. <i>Frontiers in Plant Science</i> , 2015, 6, 58.	1.7	105
497	Physiological responses of peanut (<i>Arachis hypogaea</i> L.) cultivars to water deficit stress: status of oxidative stress and antioxidant enzyme activities. <i>Acta Botanica Croatica</i> , 2015, 74, 123-142.	0.3	22
498	Genotypic Variation in Osmotic Stress Tolerance Among Rice Cultivars and Its Association with L-Type Lateral Root Development. <i>Plant Production Science</i> , 2015, 18, 246-253.	0.9	11
499	Drought Induces Distinct Growth Response, Protection, and Recovery Mechanisms in the Maize Leaf Growth Zone. <i>Plant Physiology</i> , 2015, 169, 1382-1396.	2.3	178
500	A specialized histone H1 variant is required for adaptive responses to complex abiotic stress and related DNA methylation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 169, pp.00493.2015.	2.3	101
501	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
502	Photosynthetic characteristics of highbush blueberry (<i>Vaccinium corymbosum</i> cv. Bluecrop) leaves in response to water stress and subsequent re-irrigation. <i>Journal of Horticultural Science and Biotechnology</i> , 2015, 90, 550-556.	0.9	9
503	Genetic Manipulation in Plants for Mitigation of Climate Change. , 2015, , .		2
504	Comparative phospho-proteomics analysis of salt-responsive phosphoproteins regulated by the MKK9-MPK6 cascade in <i>Arabidopsis</i> . <i>Plant Science</i> , 2015, 241, 138-150.	1.7	33

#	ARTICLE	IF	CITATIONS
505	Prospects of Genetic Manipulation for Enhanced Heavy Metal Tolerance and Bioremediation in Relation to Climate Change. , 2015, , 169-186.		0
506	Dopamine alleviates salt-induced stress in <i>Malus hupehensis</i> . <i>Physiologia Plantarum</i> , 2015, 153, 584-602.	2.6	76
507	Functional significance of betalain biosynthesis in leaves of <i>Disphyma australe</i> under salinity stress. <i>Environmental and Experimental Botany</i> , 2015, 109, 131-140.	2.0	48
508	Leaf Gas Exchange and Chlorophyll a Fluorescence in Maize Leaves Infected with <i>Stenocarpella macrospora</i> . <i>Phytopathology</i> , 2015, 105, 26-34.	1.1	37
509	Differential physiological and biochemical responses to drought in grapevines subjected to partial root drying and deficit irrigation. <i>European Journal of Agronomy</i> , 2015, 62, 90-97.	1.9	48
510	Disentangling the contributions of osmotic and ionic effects of salinity on stomatal, mesophyll, biochemical and light limitations to photosynthesis. <i>Plant, Cell and Environment</i> , 2015, 38, 1528-1542.	2.8	51
511	Salt stress induced modulation of chlorophyll biosynthesis during de-etiolation of rice seedlings. <i>Physiologia Plantarum</i> , 2015, 153, 477-491.	2.6	81
512	Adaptations of Chloroplastic Metabolism in Halophytic Plants. <i>Progress in Botany Fortschritte Der Botanik</i> , 2015, , 177-193.	0.1	12
513	Analysis of different strategies adapted by two cassava cultivars in response to drought stress: ensuring survival or continuing growth. <i>Journal of Experimental Botany</i> , 2015, 66, 1477-1488.	2.4	105
514	Patterns and variability in seedling carbon assimilation: implications for tree recruitment under climate change. <i>Tree Physiology</i> , 2015, 35, 71-85.	1.4	13
515	Identification and characterization of drought stress responsive genes in faba bean (<i>Vicia faba</i> L.) by suppression subtractive hybridization. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 367-379.	1.2	15
516	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
517	Melatonin mediates the regulation of ABA metabolism, free-radical scavenging, and stomatal behaviour in two <i>Malus</i> species under drought stress. <i>Journal of Experimental Botany</i> , 2015, 66, 669-680.	2.4	371
518	Performance of wetland forbs transplanted into marshes amended with oil sands processed water. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 125.	1.3	6
519	Salt stress response of wheat-barley addition lines carrying chromosomes from the winter barley <i>Manas</i> . <i>Euphytica</i> , 2015, 203, 491-504.	0.6	24
520	Seedlings of two <i>Acacia</i> species from contrasting habitats show different photoprotective and antioxidative responses to drought and heatwaves. <i>Annals of Forest Science</i> , 2015, 72, 403-414.	0.8	9
521	In-vitro selection of drought tolerant peanut embryogenic calli on medium containing polyethylene glycol and regeneration of drought tolerant plants. <i>Emirates Journal of Food and Agriculture</i> , 2015, 27, 475.	1.0	8
522	Physiological and proteomic analyses of leaves from the halophyte <i>Tangut Nitraria</i> reveals diverse response pathways critical for high salinity tolerance. <i>Frontiers in Plant Science</i> , 2015, 6, 30.	1.7	47

#	ARTICLE	IF	CITATIONS
523	Effects of high proline accumulation on chloroplast and mitochondrial ultrastructure and on osmotic adjustment in tobacco plants. Acta Scientiarum - Agronomy, 2015, 37, 191.	0.6	35
524	Interactive response of photosynthetic characteristics in <i>Haloxylon ammodendron</i> and <i>Hedysarum scoparium</i> exposed to soil water and air vapor pressure deficits. Journal of Environmental Sciences, 2015, 34, 184-196.	3.2	7
525	Predicting <i>Eucalyptus</i> spp. stand volume in Zululand, South Africa: an analysis using a stochastic gradient boosting regression ensemble with multi-source data sets. International Journal of Remote Sensing, 2015, 36, 3751-3772.	1.3	37
526	Salt Accumulation and Physiology of Naturally Occurring Grasses in Saline Soils in Australia. Pedosphere, 2015, 25, 501-511.	2.1	19
527	PEG and drought cause distinct changes in biochemical, physiological and morphological parameters of apple seedlings. Acta Physiologiae Plantarum, 2015, 37, 1.	1.0	10
528	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. Plant Physiology and Biochemistry, 2015, 96, 97-109.	2.8	34
529	Salinity and Water Stress Effects on Biomass Production in Different <i>Arundo donax</i> L. Clones. Bioenergy Research, 2015, 8, 1461-1479.	2.2	61
530	Stomatal Conductance Is Essential for Higher Yield Potential of C ₃ Crops. Critical Reviews in Plant Sciences, 2015, 34, 429-453.	2.7	118
531	The effects of plant density of <i>Melastoma malabathricum</i> on the erosion rate of slope soil at different slope orientations. International Journal of Sediment Research, 2015, 30, 131-141.	1.8	22
532	Profiling of primary metabolites and flavonols in leaves of two table grape varieties collected from semiarid and temperate regions. Phytochemistry, 2015, 117, 444-455.	1.4	30
533	Abiotic Stress Tolerance and Sustainable Agriculture: A Functional Genomics Perspective. , 2015, , 439-472.		4
534	Ecophysiology of <i>Acacia</i> species in wet-dry tropical plantations. Southern Forests, 2015, 77, 287-296.	0.2	5
535	Physiology and proteomics research on the leaves of ancient <i>Platycladus orientalis</i> (L.) during winter. Journal of Proteomics, 2015, 126, 263-278.	1.2	22
536	Plant signaling networks involving Ca ²⁺ and Rboh/Nox-mediated ROS production under salinity stress. Frontiers in Plant Science, 2015, 6, 427.	1.7	172
537	Salt pretreatment alleviated salt-induced photoinhibition in sweet sorghum. Theoretical and Experimental Plant Physiology, 2015, 27, 119-129.	1.1	6
538	Characterization of <i>Arabidopsis thaliana</i> GCN2 kinase roles in seed germination and plant development. Plant Signaling and Behavior, 2015, 10, e992264.	1.2	30
539	Molecular and physiological changes in response to salt stress in <i>Citrus macrophylla</i> W plants overexpressing <i>Arabidopsis</i> CBF3/DREB1A. Plant Physiology and Biochemistry, 2015, 92, 71-80.	2.8	21
540	Discriminating Irrigated and Rainfed Maize with Diurnal Fluorescence and Canopy Temperature Airborne Maps. ISPRS International Journal of Geo-Information, 2015, 4, 626-646.	1.4	23

#	ARTICLE	IF	CITATIONS
541	The impact of light quality and quantity on root-to-shoot ratio and root carbon reserves in aspen seedling stock. <i>New Forests</i> , 2015, 46, 527-545.	0.7	12
542	Effects of sodium chloride stress on gas exchange, chlorophyll content and nutrient concentrations of nine citrus rootstocks. <i>Photosynthetica</i> , 2015, 53, 241-249.	0.9	29
543	Photosynthetic response of beech seedlings of different origin to water deficit. <i>Photosynthetica</i> , 2015, 53, 187-194.	0.9	43
544	Proteomic analysis of <i>Mammillaria gracilis</i> Pfeiff. in vitro-grown cultures exposed to iso-osmotic NaCl and mannitol. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 127-146.	1.2	5
545	The ecophysiological performance of <i>Vernonia polyanthes</i> Less. (Asteraceae) in conserved and degraded forests in the Brazilian Cerrado. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	0
546	Abiotic stress induces change in Cinnamoyl CoA Reductase (CCR) protein abundance and lignin deposition in developing seedlings of <i>Leucaena leucocephala</i> . <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 197-205.	1.4	79
547	Transcriptomic profiling of the salt-stress response in the halophyte <i>Halogeton glomeratus</i> . <i>BMC Genomics</i> , 2015, 16, 169.	1.2	57
548	Basil morphological and physiological performance under trinexapac-ethyl foliar sprays and prolonged irrigation intervals. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	6
549	Effects of climate extremes on the terrestrial carbon cycle: concepts, processes and potential future impacts. <i>Global Change Biology</i> , 2015, 21, 2861-2880.	4.2	683
551	Tetrapyrrole-based drought stress signalling. <i>Plant Biotechnology Journal</i> , 2015, 13, 447-459.	4.1	71
552	Superoxide dismutase—mentor of abiotic stress tolerance in crop plants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10375-10394.	2.7	247
553	Ecophysiological, anatomical and biochemical aspects of in vitro culture of zygotic <i>Syagrus coronata</i> embryos and of young plants under drought stress. <i>Trees - Structure and Function</i> , 2015, 29, 1219-1233.	0.9	16
554	Simultaneous effects of leaf irradiance and soil moisture on growth and root system architecture of novel wheat genotypes: implications for phenotyping. <i>Journal of Experimental Botany</i> , 2015, 66, 5441-5452.	2.4	21
555	Downregulation of the lycopene β -cyclase gene confers tolerance to salt and drought stress in <i>Nicotiana tabacum</i> . <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	10
556	Drought resistance and recovery in mature <i>Bituminaria bituminosa</i> var. <i>albomarginata</i> . <i>Annals of Applied Biology</i> , 2015, 166, 154-169.	1.3	30
557	The genetics of divergence and reproductive isolation between ecotypes of <i>Panicum hallii</i> . <i>New Phytologist</i> , 2015, 205, 402-414.	3.5	65
558	Influence of arbuscular mycorrhiza on photosynthesis and water status of <i>Populus cathayana</i> Rehder males and females under salt stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	39
559	Isoprenoids and phenylpropanoids are part of the antioxidant defense orchestrated daily by drought-stressed <i>Latania</i> — <i>Acerifolia</i> plants during Mediterranean summers. <i>New Phytologist</i> , 2015, 207, 613-626.	3.5	127

#	ARTICLE	IF	CITATIONS
560	Photosynthetic light reactions: integral to chloroplast retrograde signalling. <i>Current Opinion in Plant Biology</i> , 2015, 27, 180-191.	3.5	77
561	Metabolite profiles of maize leaves in drought, heat and combined stress field trials reveal the relationship between metabolism and grain yield. <i>Plant Physiology</i> , 2015, 169, pp.01164.2015.	2.3	233
562	Transcriptomic changes due to water deficit define a general soybean response and accession-specific pathways for drought avoidance. <i>BMC Plant Biology</i> , 2015, 15, 26.	1.6	47
563	Salt priming improved salt tolerance in sweet sorghum by enhancing osmotic resistance and reducing root Na ⁺ uptake. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	23
564	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
565	On underestimation of global vulnerability to tree mortality and forest die-off from hotter drought in the Anthropocene. <i>Ecosphere</i> , 2015, 6, 1-55.	1.0	1,739
566	Comparison of individual and combined effects of salinity and deficit irrigation on physiological, nutritional and ornamental aspects of tolerance in <i>Callistemon laevis</i> plants. <i>Journal of Plant Physiology</i> , 2015, 185, 65-74.	1.6	60
567	An insight into cotton genetic engineering (<i>Gossypium hirsutum</i> L.): current endeavors and prospects. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	11
568	Hsp transcript induction is correlated with physiological changes under drought stress in Indian mustard. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 305-316.	1.4	18
569	Comprehensive transcript profiling of two grapevine rootstock genotypes contrasting in drought susceptibility links the phenylpropanoid pathway to enhanced tolerance. <i>Journal of Experimental Botany</i> , 2015, 66, 5739-5752.	2.4	133
570	Bottle gourd rootstock-grafting promotes photosynthesis by regulating the stomata and non-stomata performances in leaves of watermelon seedlings under NaCl stress. <i>Journal of Plant Physiology</i> , 2015, 186-187, 50-58.	1.6	30
571	Comparative analysis of the drought-responsive transcriptome in soybean lines contrasting for canopy wilting. <i>Plant Science</i> , 2015, 240, 65-78.	1.7	53
572	Mechanisms of silicon-mediated alleviation of drought and salt stress in plants: a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 15416-15431.	2.7	322
573	Seasonal changes in physiological performance in wild <i>Clarkia xantiana</i> populations: Implications for the evolution of a compressed life cycle and self-fertilization. <i>American Journal of Botany</i> , 2015, 102, 962-972.	0.8	7
574	Variations in internal water distribution and leaf anatomical structure in maize under persistently reduced soil water content and growth recovery after re-watering. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	7
575	Drought Stress in Maize (<i>Zea mays</i> L.). <i>SpringerBriefs in Agriculture</i> , 2015, , .	0.9	56
576	Effect of wood ash on leaf and shoot anatomy, photosynthesis and carbohydrate concentrations in birch on a cutaway peatland. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 444.	1.3	6
577	Phytohormones and plant responses to salinity stress: a review. <i>Plant Growth Regulation</i> , 2015, 75, 391-404.	1.8	566

#	ARTICLE	IF	CITATIONS
578	Overexpression of <i>SpWRKY1</i> promotes resistance to <i>Phytophthora nicotianae</i> and tolerance to salt and drought stress in transgenic tobacco. <i>Physiologia Plantarum</i> , 2015, 155, 248-266.	2.6	100
579	Ectopic overexpression of the cell wall invertase gene <i>CIN1</i> leads to dehydration avoidance in tomato. <i>Journal of Experimental Botany</i> , 2015, 66, 863-878.	2.4	75
580	Atmospheric application of trace amounts of nitric oxide enhances tolerance to salt stress and improves nutritional quality in spinach (<i>Spinacia oleracea</i> L.). <i>Food Chemistry</i> , 2015, 173, 905-911.	4.2	67
581	Combined Stresses in Plants. , 2015, , .		22
582	Current developments in arbuscular mycorrhizal fungi research and its role in salinity stress alleviation: a biotechnological perspective. <i>Critical Reviews in Biotechnology</i> , 2015, 35, 461-474.	5.1	89
583	Lipoic acid mitigates oxidative stress and recovers metabolic distortions in salt-stressed wheat seedlings by modulating ion homeostasis, the osmoregulator level and antioxidant system. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 2811-2817.	1.7	27
584	Saline irrigation scheduling for potted geranium based on soil electrical conductivity and moisture sensors. <i>Agricultural Water Management</i> , 2015, 149, 123-130.	2.4	22
585	In vitro rice shoot apices as simple model to study the effect of NaCl and the potential of exogenous proline and glutathione in mitigating salinity stress. <i>Plant Growth Regulation</i> , 2015, 75, 771-781.	1.8	36
586	The MaASR gene as a crucial component in multiple drought stress response pathways in <i>Arabidopsis</i> . <i>Functional and Integrative Genomics</i> , 2015, 15, 247-260.	1.4	24
587	A salt on the bioenergy and biological invasions debate: salinity tolerance of the invasive biomass feedstock <i>Amaranthus retrofractus</i> . <i>GCB Bioenergy</i> , 2015, 7, 752-762.	2.5	42
588	Assessing the drought tolerance variability in Mediterranean alfalfa (<i>Medicago sativa</i> L.) genotypes under arid conditions. <i>Plant Biosystems</i> , 2015, 149, 395-403.	0.8	8
589	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
590	Drought tolerance in a Saharian plant <i>Oudneya africana</i> : Role of antioxidant defences. <i>Environmental and Experimental Botany</i> , 2015, 111, 114-126.	2.0	134
591	Comparative physiology and proteomic analysis of two wheat genotypes contrasting in drought tolerance. <i>Journal of Proteomics</i> , 2015, 114, 1-15.	1.2	99
592	Gene Expression Profiles in <i>Jatropha</i> Under Drought Stress and During Recovery. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1075-1087.	1.0	9
593	Study on salt tolerance with <i>YHem1</i> transgenic canola (<i>Brassica napus</i>). <i>Physiologia Plantarum</i> , 2015, 154, 223-242.	2.6	30
594	Metabolic response of maize (<i>Zea mays</i> L.) plants to combined drought and salt stress. <i>Plant and Soil</i> , 2015, 388, 99-117.	1.8	84
595	Ecosystem water use efficiency for a sparse vineyard in arid northwest China. <i>Agricultural Water Management</i> , 2015, 148, 24-33.	2.4	42

#	ARTICLE	IF	CITATIONS
596	Is there a species spectrum within the world-wide leaf economics spectrum? Major variations in leaf functional traits in the Mediterranean sclerophyll <i>Quercus ilex</i> . <i>New Phytologist</i> , 2015, 205, 79-96.	3.5	189
597	Desiccation enhances phosphorylation of <i>PSII</i> and affects the distribution of protein complexes in the thylakoid membrane. <i>Physiologia Plantarum</i> , 2015, 153, 492-502.	2.6	18
598	Ionic and photosynthetic homeostasis in quinoa challenged by salinity and drought – mechanisms of tolerance. <i>Functional Plant Biology</i> , 2015, 42, 136.	1.1	81
599	Photoprotective function of energy dissipation by thermal processes and photorespiratory mechanisms in <i>Jatropha curcas</i> plants during different intensities of drought and after recovery. <i>Environmental and Experimental Botany</i> , 2015, 110, 36-45.	2.0	70
600	Leaf greenness as a drought tolerance related trait in potato (<i>Solanum tuberosum</i> L.). <i>Environmental and Experimental Botany</i> , 2015, 110, 27-35.	2.0	95
601	Physiological and Molecular Insights to Drought Responsiveness in <i>Erianthus</i> spp.. <i>Sugar Tech</i> , 2015, 17, 121-129.	0.9	23
602	Analysis of the Drought Stress-Responsive Transcriptome of Black Cottonwood (<i>Populus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502 Td (1.0	40
603	Progress in Botany. <i>Progress in Botany Fortschritte Der Botanik</i> , 2015, , .	0.1	7
604	Morphophysiological changes in young plants of <i>Jatropha curcas</i> L. (Euphorbiaceae) subjected to water stress and recovery. <i>African Journal of Agricultural Research Vol Pp</i> , 2016, 11, 4692-4703.	0.2	4
605	Photosynthesis and water relations of sunflower cultivars under salinity conditions. <i>African Journal of Agricultural Research Vol Pp</i> , 2016, 11, 2817-2824.	0.2	7
606	Monitoring of the Drought Tolerance of Various Cotton Genotypes Using Chlorophyll Fluorescence. , 0, , .		2
607	Morphological and physiological responses of <i>A</i> -seedlings subjected to different watering regimes. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2016, 20, 364-371.	0.4	14
608	Response of Rice under Salinity Stress: A Review Update. <i>Rice Research Open Access</i> , 2016, 4, .	0.4	69
609	Oxidative Stress in Plants Under Drought Conditions and the Role of Different Enzymes. <i>Enzyme Engineering</i> , 2016, 5, .	0.3	28
610	Photoprotection of Cotton in the Field. , 0, , .		0
611	Biochemical and Physiological Changes in Rice Plants Due to the Application of Herbicides1. <i>Planta Daninha</i> , 2016, 34, 277-290.	0.5	15
612	A compendium of temperature responses of Rubisco kinetic traits: variability among and within photosynthetic groups and impacts on photosynthesis modeling. <i>Journal of Experimental Botany</i> , 2016, 67, 5067-5091.	2.4	72
613	Glycation of Plant Proteins under Environmental Stress – Methodological Approaches, Potential Mechanisms and Biological Role. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
614	Sugarcane cultivation submitted to water replacement via irrigation bar. African Journal of Agricultural Research Vol Pp, 2016, 11, 2983-2993.	0.2	2
615	PHYSIOLOGICAL RESPONSES OF THREE WOODY SPECIES SEEDLINGS UNDER WATER STRESS, IN SOIL WITH AND WITHOUT ORGANIC MATTER. Revista Arvore, 2016, 40, 455-464.	0.5	6
616	Efeito responsivo de mudas de paricã; ao estresse hídrico. Floresta, 2016, 46, 405.	0.1	4
617	Salt tolerance of spinach as related to seasonal climate. Zahradnictvi (Prague, Czech Republic: 1992), 2016, 43, 33-41.	0.3	32
618	Leaf Proteome Analysis Reveals Prospective Drought and Heat Stress Response Mechanisms in Soybean. BioMed Research International, 2016, 2016, 1-23.	0.9	105
619	Stable reference genes for studies of gene expression in Prunus persica under water stress. Australian Journal of Crop Science, 2016, 10, 1348-1356.	0.1	5
620	Mycorrhizal Symbiotic Efficiency on C3 and C4 Plants under Salinity Stress – A Meta-Analysis. Frontiers in Microbiology, 2016, 7, 1246.	1.5	47
621	Plant Metabolomics: An Indispensable System Biology Tool for Plant Science. International Journal of Molecular Sciences, 2016, 17, 767.	1.8	238
622	Expression of Stipa purpurea SpCIPK26 in Arabidopsis thaliana Enhances Salt and Drought Tolerance and Regulates Abscisic Acid Signaling. International Journal of Molecular Sciences, 2016, 17, 966.	1.8	11
623	Effects of Soil Salinity on Sucrose Metabolism in Cotton Leaves. PLoS ONE, 2016, 11, e0156241.	1.1	37
624	Suppression of Reactive Oxygen Species Accumulation in Chloroplasts Prevents Leaf Damage but Not Growth Arrest in Salt-Stressed Tobacco Plants. PLoS ONE, 2016, 11, e0159588.	1.1	27
625	Plant adaptation to drought stress. F1000Research, 2016, 5, 1554.	0.8	538
626	Potential for recovery of Campomanesia xanthocarpa Mart. ex O. berg seedlings from water deficit. African Journal of Agricultural Research Vol Pp, 2016, 11, 2775-2785.	0.2	7
627	Overexpression of the Maize psbA Gene Enhances Drought Tolerance Through Regulating Antioxidant System, Photosynthetic Capability, and Stress Defense Gene Expression in Tobacco. Frontiers in Plant Science, 2015, 6, 1223.	1.7	80
628	Genotypic Variation in Growth and Physiological Response to Drought Stress and Re-Watering Reveals the Critical Role of Recovery in Drought Adaptation in Maize Seedlings. Frontiers in Plant Science, 2015, 6, 1241.	1.7	225
629	Coordinated Changes in Antioxidative Enzymes Protect the Photosynthetic Machinery from Salinity Induced Oxidative Damage and Confer Salt Tolerance in an Extreme Halophyte Salvadora persica L.. Frontiers in Plant Science, 2016, 7, 50.	1.7	105
630	Recent Advances in Utilizing Transcription Factors to Improve Plant Abiotic Stress Tolerance by Transgenic Technology. Frontiers in Plant Science, 2016, 7, 67.	1.7	342
631	Improved Shoot Regeneration, Salinity Tolerance and Reduced Fungal Susceptibility in Transgenic Tobacco Constitutively Expressing PR-10a Gene. Frontiers in Plant Science, 2016, 7, 217.	1.7	22

#	ARTICLE	IF	CITATIONS
632	Transcriptomic Changes Drive Physiological Responses to Progressive Drought Stress and Rehydration in Tomato. <i>Frontiers in Plant Science</i> , 2016, 7, 371.	1.7	93
633	When Bad Guys Become Good Ones: The Key Role of Reactive Oxygen Species and Nitric Oxide in the Plant Responses to Abiotic Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 471.	1.7	242
634	Physiological and Biochemical Responses in Two Ornamental Shrubs to Drought Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 645.	1.7	92
635	Elevated-CO ₂ Response of Stomata and Its Dependence on Environmental Factors. <i>Frontiers in Plant Science</i> , 2016, 7, 657.	1.7	265
636	Drought Stress Predominantly Endures <i>Arabidopsis thaliana</i> to <i>Pseudomonas syringae</i> Infection. <i>Frontiers in Plant Science</i> , 2016, 7, 808.	1.7	51
637	Genotypically Identifying Wheat Mesophyll Conductance Regulation under Progressive Drought Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 1111.	1.7	34
638	Genome-Wide Analysis of MicroRNA Responses to the Phytohormone Abscisic Acid in <i>Populus euphratica</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1184.	1.7	28
639	Stress-Inducible Expression of an F-box Gene TaFBA1 from Wheat Enhanced the Drought Tolerance in Transgenic Tobacco Plants without Impacting Growth and Development. <i>Frontiers in Plant Science</i> , 2016, 7, 1295.	1.7	36
640	High-Throughput Non-destructive Phenotyping of Traits that Contribute to Salinity Tolerance in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1414.	1.7	161
641	The <i>Physcomitrella patens</i> Chloroplast Proteome Changes in Response to Protoplastation. <i>Frontiers in Plant Science</i> , 2016, 7, 1661.	1.7	16
642	Linking Dynamic Phenotyping with Metabolite Analysis to Study Natural Variation in Drought Responses of <i>Brachypodium distachyon</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1751.	1.7	53
643	Transcriptomic and Metabolomic Studies Disclose Key Metabolism Pathways Contributing to Well-maintained Photosynthesis under the Drought and the Consequent Drought-Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 1886.	1.7	112
644	Global Scale Transcriptional Profiling of Two Contrasting Barley Genotypes Exposed to Moderate Drought Conditions: Contribution of Leaves and Crowns to Water Shortage Coping Strategies. <i>Frontiers in Plant Science</i> , 2016, 7, 1958.	1.7	28
645	Determination of parameters for selection of <i>Eucalyptus</i> clones tolerant to drought. <i>African Journal of Agricultural Research</i> Vol Pp, 2016, 11, 3940-3949.	0.2	4
646	Functional Genomics of Biotic and Abiotic Stresses in <i>Phaseolus vulgaris</i> . , 0, , .		6
647	Advances in crop proteomics: PTMs of proteins under abiotic stress. <i>Proteomics</i> , 2016, 16, 847-865.	1.3	67
648	Effects of CO ₂ Enrichment and Drought on Photosynthesis, Growth and Yield of an Old and a Modern Barley Cultivar. <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 81-95.	1.7	27
649	Different response of photosystem II to short and long-term drought stress in <i>Arabidopsis thaliana</i> . <i>Physiologia Plantarum</i> , 2016, 158, 225-235.	2.6	116

#	ARTICLE	IF	CITATIONS
650	Mitochondrial GPX1 silencing triggers differential photosynthesis impairment in response to salinity in rice plants. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 737-748.	4.1	33
651	AsHSP17, a creeping bentgrass small heat shock protein modulates plant photosynthesis and ABA-dependent and independent signalling to attenuate plant response to abiotic stress. <i>Plant, Cell and Environment</i> , 2016, 39, 1320-1337.	2.8	82
652	Differential expression profiles and pathways of genes in sugarcane leaf at elongation stage in response to drought stress. <i>Scientific Reports</i> , 2016, 6, 25698.	1.6	85
653	Physiological targets of salicylic acid on <i>Artemisia aucheri</i> BOISS as a medicinal and aromatic plant grown under in vitro drought stress. , 2016, 57, 39.		11
654	Gene expression patterns of two dominant tallgrass prairie species differ in response to warming and altered precipitation. <i>Scientific Reports</i> , 2016, 6, 25522.	1.6	7
655	Soil Salinity: A Threat to Global Food Security. <i>Agronomy Journal</i> , 2016, 108, 2189-2200.	0.9	228
656	Responses of photosynthesis, stress markers and antioxidants under aluminium, salt and combined stresses in wheat cultivars. <i>Cogent Food and Agriculture</i> , 2016, 2, .	0.6	6
657	A meta-analysis of leaf gas exchange and water status responses to drought. <i>Scientific Reports</i> , 2016, 6, 20917.	1.6	99
658	Clustering and evolutionary analysis of small RNAs identify regulatory siRNA clusters induced under drought stress in rice. <i>BMC Systems Biology</i> , 2016, 10, 115.	3.0	10
659	Water deficit stress tolerance in chickpea is mediated by the contribution of integrative defence systems in different tissues of the plant. <i>Functional Plant Biology</i> , 2016, 43, 903.	1.1	6
660	Moisture and Salt Tolerance of a Forage and Grain Sorghum Hybrid during Germination and Establishment. <i>Journal of Crop Improvement</i> , 2016, 30, 668-683.	0.9	3
661	Genomics of Drought. , 2016, , 85-135.		4
662	Changes in gas exchange capacity and selected physiological properties of squash seedlings (<i>Cucurbita pepo</i> L.) under well-watered and drought stress conditions. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 1700-1710.	1.3	32
663	A genome-scale metabolic network reconstruction of tomato (<i>Solanum lycopersicum</i> L.) and its application to photorespiratory metabolism. <i>Plant Journal</i> , 2016, 85, 289-304.	2.8	66
665	Effects of Elevated Carbon Dioxide and Drought Stress on Agricultural Crops. , 2016, , 251-266.		0
666	Differential expression of photosynthesis-related genes and quantification of gas exchange in rice plants under abiotic stress. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	22
667	Different responses of two ecotypes of C3-C4 xero-halophyte <i>Bassia sedoides</i> to osmotic and ionic factors of salt stress. <i>Russian Journal of Plant Physiology</i> , 2016, 63, 349-357.	0.5	9
668	Diversity in the trifoliolate orange taxon reveals two main genetic groups marked by specific morphological traits and water deficit tolerance properties. <i>Journal of Agricultural Science</i> , 2016, 154, 495-514.	0.6	11

#	ARTICLE	IF	CITATIONS
669	Variability of mesophyll conductance and its relationship with water use efficiency in cotton leaves under drought pretreatment. <i>Journal of Plant Physiology</i> , 2016, 194, 61-71.	1.6	53
670	Enhancing stress growth traits as well as phytochemical and antioxidant contents of <i>Spiraea</i> and <i>Pittosporum</i> under seaweed extract treatments. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 310-320.	2.8	85
671	Combined herbicide and saline stress differentially modulates hormonal regulation and antioxidant defense system in <i>Oryza sativa</i> cultivars. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 82-95.	2.8	54
672	Chlorophyll a fluorescence as a tool to monitor physiological status of plants under abiotic stress conditions. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	870
673	Physiological responses of <i>Pistacia vera</i> L. versus <i>Pistacia atlantica</i> Desf. to water stress conditions under arid bioclimate in Tunisia. <i>Scientia Horticulturae</i> , 2016, 203, 224-230.	1.7	10
674	The response of <i>Arundo donax</i> L. (C 3) and <i>Panicum virgatum</i> (C 4) to different stresses. <i>Biomass and Bioenergy</i> , 2016, 85, 335-345.	2.9	24
675	Co-expression of tonoplast Cation/H ⁺ antiporter and H ⁺ pyrophosphatase from xerophyte <i>Zygophyllum xanthoxylum</i> improves alfalfa plant growth under salinity, drought and field conditions. <i>Plant Biotechnology Journal</i> , 2016, 14, 964-975.	4.1	98
676	Photosynthetic response to fluctuating environments and photoprotective strategies under abiotic stress. <i>Journal of Plant Research</i> , 2016, 129, 379-395.	1.2	176
677	Litchi. , 2016, , 235-266.		0
678	Drought stress and carbon assimilation in a warming climate: Reversible and irreversible impacts. <i>Journal of Plant Physiology</i> , 2016, 203, 84-94.	1.6	99
679	Improving agronomic water use efficiency in tomato by rootstock-mediated hormonal regulation of leaf biomass. <i>Plant Science</i> , 2016, 251, 90-100.	1.7	62
680	Hop (<i>Humulus lupulus</i> L.) response mechanisms in drought stress: Proteomic analysis with physiology. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 67-78.	2.8	20
681	Response of Bur and Red oak seedlings to NaCl-induced salinity. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	0
682	Photosynthesis and growth adaptation of <i>Pterocarya stenoptera</i> and <i>Pinus elliottii</i> seedlings to submergence and drought. <i>Photosynthetica</i> , 2016, 54, 120-129.	0.9	17
683	Physiological and ultrastructural responses of sour orange (<i>Citrus aurantium</i> L.) clones to water stress. <i>Photosynthetica</i> , 2016, 54, 532-541.	0.9	3
684	Integrating transcriptomics and metabolomics to characterise the response of <i>Astragalus membranaceus</i> Bge. var. <i>mongolicus</i> (Bge.) to progressive drought stress. <i>BMC Genomics</i> , 2016, 17, 188.	1.2	64
685	Comparative effects of water deficit and enhanced UV-B radiation on photosynthetic capacity and leaf anatomy traits of two grapevine (<i>Vitis vinifera</i> L.) cultivars. <i>Theoretical and Experimental Plant Physiology</i> , 2016, 28, 131-141.	1.1	18
686	Metabolic and growth responses of maize to successive drought and re-watering cycles. <i>Agricultural Water Management</i> , 2016, 172, 62-73.	2.4	54

#	ARTICLE	IF	CITATIONS
687	Treatment with spermidine protects chrysanthemum seedlings against salinity stress damage. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 260-270.	2.8	15
688	Proteomic analysis of two divergently responding potato genotypes (<i>Solanum tuberosum</i> L.) following osmotic stress treatment in vitro. <i>Journal of Proteomics</i> , 2016, 143, 227-241.	1.2	16
689	Comparative proteomics illustrates the complexity of drought resistance mechanisms in two wheat (<i>Triticum aestivum</i> L.) cultivars under dehydration and rehydration. <i>BMC Plant Biology</i> , 2016, 16, 188.	1.6	62
691	<i>Desmostachya bipinnata</i> manages photosynthesis and oxidative stress at moderate salinity. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2016, 225, 1-9.	0.6	24
692	Evaluation of common bean (<i>Phaseolus vulgaris</i> L.) genotypes for drought stress adaptation in Ethiopia. <i>Crop Journal</i> , 2016, 4, 367-376.	2.3	96
693	Using Phenomic Analysis of Photosynthetic Function for Abiotic Stress Response Gene Discovery. <i>The Arabidopsis Book</i> , 2016, 14, e0185.	0.5	48
694	A comparative proteomic study of drought-tolerant and drought-sensitive soybean seedlings under drought stress. <i>Crop and Pasture Science</i> , 2016, 67, 528.	0.7	31
695	Comparative Leaf and Root Transcriptomic Analysis of two Rice Japonica Cultivars Reveals Major Differences in the Root Early Response to Osmotic Stress. <i>Rice</i> , 2016, 9, 25.	1.7	47
696	Physiological responses of the halophyte <i>Sesuvium portulacastrum</i> to salt stress and their relevance for saline soil bio-reclamation. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2016, 224, 96-105.	0.6	56
697	Expression of the <i>Thellungiella halophila</i> vacuolar H ⁺ -pyrophosphatase gene (TsVP) in cotton improves salinity tolerance and increases seed cotton yield in a saline field. <i>Euphytica</i> , 2016, 211, 231-244.	0.6	14
698	The impact of integrating WorldView-2 sensor and environmental variables in estimating plantation forest species aboveground biomass and carbon stocks in uMgeni Catchment, South Africa. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 119, 415-425.	4.9	22
699	Role of microRNAs in rice plant under salt stress. <i>Annals of Applied Biology</i> , 2016, 168, 2-18.	1.3	44
700	Differential physiological response of the grapevine varieties Touriga Nacional and Trincadeira to combined heat, drought and light stresses. <i>Plant Biology</i> , 2016, 18, 101-111.	1.8	64
701	Photosynthesis, antioxidant system and gene expression of bermudagrass in response to low temperature and salt stress. <i>Ecotoxicology</i> , 2016, 25, 1445-1457.	1.1	38
702	Understanding How Plants Respond to Drought Stress at the Molecular and Whole Plant Levels. , 2016, , 1-37.		4
703	Identification of Candidate Genes for Drought Stress Tolerance. , 2016, , 385-414.		3
704	The Response of Chloroplast Proteome to Abiotic Stress. , 2016, , 237-249.		4
705	Males exhibit competitive advantages over females of <i>Populus deltoides</i> under salinity stress. <i>Tree Physiology</i> , 2016, 36, 1573-1584.	1.4	44

#	ARTICLE	IF	CITATIONS
706	Enhanced Salt Tolerance under Nitrate Nutrition is Associated with Apoplast Na ⁺ Content in Canola (<i>Brassica napus</i> L.) and Rice (<i>Oryza sativa</i> L.) Plants. <i>Plant and Cell Physiology</i> , 2016, 57, 2323-2333.	1.5	19
709	Impact of potassium sulfate salinity on growth and development of cranberry plants subjected to overhead and subirrigation. <i>Canadian Journal of Soil Science</i> , 0, , 1-11.	0.5	5
710	Osmotic stress is accompanied by protein glycation in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6283-6295.	2.4	47
711	SENSITIVE TO FREEZING2 Aids in Resilience to Salt and Drought in Freezing-Sensitive Tomato. <i>Plant Physiology</i> , 2016, 172, 1432-1442.	2.3	28
712	Different responses of photosystem II and antioxidants to drought stress in two contrasting populations of Sour jujube from the Loess Plateau, China. <i>Ecological Research</i> , 2016, 31, 761-775.	0.7	9
713	Up-to-Date Workflow for Plant (Phospho)proteomics Identifies Differential Drought-Responsive Phosphorylation Events in Maize Leaves. <i>Journal of Proteome Research</i> , 2016, 15, 4304-4317.	1.8	50
714	Drought increases cowpea (<i>Vigna unguiculata</i> [L.] Walp.) susceptibility to cowpea severe mosaic virus (CPSMV) at early stage of infection. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 91-102.	2.8	12
717	The effects of petroleum-contaminated soil on photosynthesis of <i>Amorpha fruticosa</i> seedlings. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2383-2392.	1.8	35
718	Elevated CO ₂ concentrations alleviate the inhibitory effect of drought on physiology and growth of cassava plants. <i>Scientia Horticulturae</i> , 2016, 210, 122-129.	1.7	16
719	Drought and Recovery: Independently Regulated Processes Highlighting the Importance of Protein Turnover Dynamics and Translational Regulation in <i>Medicago truncatula</i> . <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1921-1937.	2.5	50
720	Transcriptomic comparison between two <i>Vitis vinifera</i> L. varieties (Trincadeira and Touriga Nacional) in abiotic stress conditions. <i>BMC Plant Biology</i> , 2016, 16, 224.	1.6	41
721	Responses of plant water use to a severe summer drought for two subtropical tree species in the central southern China. <i>Journal of Hydrology: Regional Studies</i> , 2016, 8, 1-9.	1.0	19
722	Characterizing the drivers of seedling leaf gas exchange responses to warming and altered precipitation: indirect and direct effects. <i>AoB PLANTS</i> , 2016, 8, .	1.2	7
723	Influence of leaf vein density and thickness on hydraulic conductance and photosynthesis in rice (<i>Oryza sativa</i> L.) during water stress. <i>Scientific Reports</i> , 2016, 6, 36894.	1.6	20
724	Seed osmopriming improves plant growth, nodulation, chlorophyll fluorescence and nutrient uptake in alfalfa (<i>Medicago sativa</i> L.) rhizobia symbiosis under drought stress. <i>Scientia Horticulturae</i> , 2016, 213, 232-242.	1.7	44
725	Plant Salt Stress: Adaptive Responses, Tolerance Mechanism and Bioengineering for Salt Tolerance. <i>Botanical Review</i> , The, 2016, 82, 371-406.	1.7	216
726	Structural and biochemical response of chloroplasts in tolerant and sensitive barley genotypes to drought stress. <i>Journal of Plant Physiology</i> , 2016, 207, 61-72.	1.6	35
727	The response of aminopeptidases of <i>Phaseolus vulgaris</i> to drought depends on the developmental stage of the leaves. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 326-336.	2.8	9

#	ARTICLE	IF	CITATIONS
728	The efficient physiological strategy of a tomato landrace in response to short-term salinity stress. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 262-272.	2.8	43
729	GhABF2, a bZIP transcription factor, confers drought and salinity tolerance in cotton (<i>Gossypium</i>) Tj ETQq1 1 0.784314 rgBT JOverload	1.6	124
730	Ecophysiological responses of <i>Betula pendula</i> , <i>Pinus uncinata</i> and <i>Rhododendron ferrugineum</i> in the Catalan Pyrenees to low summer rainfall. <i>Tree Physiology</i> , 2016, 36, 1520-1535.	1.4	10
731	The harsh life of an urban tree: the effect of a single pulse of ozone in salt-stressed <i>Quercus ilex</i> saplings. <i>Tree Physiology</i> , 2017, 37, 246-260.	1.4	32
732	Bio fertilizers and zinc effects on some physiological parameters of <i>triticale</i> under water-limitation condition. <i>Journal of Plant Interactions</i> , 2016, 11, 167-177.	1.0	35
733	Effect of synthetic and natural water-absorbing soil amendments on photosynthesis characteristics and tuber nutritional quality of potato in a semi-arid region. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1010-1017.	1.7	6
734	Exogenous application of hydrogen peroxide alleviates drought stress in cucumber seedlings. <i>South African Journal of Botany</i> , 2016, 106, 23-28.	1.2	73
735	Increased resistance to a generalist herbivore in a salinity-stressed non-halophytic plant. <i>AoB PLANTS</i> , 2016, 8, plw028.	1.2	15
736	Mechanisms of Hormone Regulation for Drought Tolerance in Plants. , 2016, , 45-75.		10
737	Osmotic Adjustment and Plant Adaptation to Drought Stress. , 2016, , 105-143.		38
738	Carbon allocation, osmotic adjustment, antioxidant capacity and growth in cotton under long-term soil drought during flowering and boll-forming period. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 137-146.	2.8	69
739	River Algae. , 2016, , .		14
740	Ecophysiology of River Algae. , 2016, , 197-217.		7
741	Photosynthetic adjustment after rehydration in <i>Annona emarginata</i> . <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	9
742	Effects of saline irrigation on yield and qualitative characterization of seed of an amaranth accession grown under Mediterranean conditions. <i>Journal of Agricultural Science</i> , 2016, 154, 858-869.	0.6	13
743	Plant-Rhizobacteria Interaction and Drought Stress Tolerance in Plants. , 2016, , 287-308.		5
744	Using electromagnetic induction method to reveal dynamics of soil water and salt during continual rainfall events. <i>Biosystems Engineering</i> , 2016, 152, 3-13.	1.9	8
745	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. <i>Journal of Plant Physiology</i> , 2016, 196-197, 60-69.	1.6	20

#	ARTICLE	IF	CITATIONS
746	Identification of ornamental shrubs tolerant to saline aerosol for coastal urban and peri-urban greening. <i>Urban Forestry and Urban Greening</i> , 2016, 18, 9-18.	2.3	17
747	Influence of salt stress on inoculated <i>Casuarina glauca</i> seedlings. <i>Symbiosis</i> , 2016, 70, 129-138.	1.2	13
748	Comparative effect of drought duration on growth, photosynthesis, water relations, and solute accumulation in wild and cultivated barley species. <i>Journal of Plant Nutrition and Soil Science</i> , 2016, 179, 327-335.	1.1	23
749	The key regulator of submergence tolerance, <i>SUB1A</i> , promotes photosynthetic and metabolic recovery from submergence damage in rice leaves. <i>Plant, Cell and Environment</i> , 2016, 39, 672-684.	2.8	67
750	Lower leaf gas exchange and higher photorespiration of treated wastewater irrigated Citrus trees is modulated by soil type and climate. <i>Physiologia Plantarum</i> , 2016, 156, 478-496.	2.6	14
751	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
752	Comparative proteomic analysis reveals the positive effect of exogenous spermidine on photosynthesis and salinity tolerance in cucumber seedlings. <i>Plant Cell Reports</i> , 2016, 35, 1769-1782.	2.8	42
753	Effects of water depth on the seedling morphology and chlorophyll fluorescence of <i>Vallisneria spiralis</i> . <i>Journal of Freshwater Ecology</i> , 2016, 31, 463-475.	0.5	10
754	Water deficit regimes trigger changes in valuable physiological and phytochemical parameters in <i>Helichrysum petiolare</i> Hilliard & B.L. Burt. <i>Industrial Crops and Products</i> , 2016, 83, 680-692.	2.5	43
755	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
756	Sex-related differences in photoinhibition, photo-oxidative stress and photoprotection in stinging nettle (<i>Urtica dioica</i> L.) exposed to drought and nutrient deficiency. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 156, 22-28.	1.7	11
757	Salt and drought stresses in safflower: a review. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	2.2	143
758	Photosynthesis and photoprotection under drought in the annual desert plant <i>Anastatica hierochuntica</i> . <i>Photosynthetica</i> , 2016, 54, 143-147.	0.9	6
759	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
760	Osmolytes and Plants Acclimation to Changing Environment: Emerging Omics Technologies. , 2016, , .		35
761	Photosynthetic responses to soil water stress in summer in two Japanese urban landscape tree species (<i>Ginkgo biloba</i> and <i>Prunus yedoensis</i>): effects of pruning mulch and irrigation management. <i>Trees - Structure and Function</i> , 2016, 30, 697-708.	0.9	19
762	Variation in genomic methylation in natural populations of <i>Populus simonii</i> is associated with leaf shape and photosynthetic traits. <i>Journal of Experimental Botany</i> , 2016, 67, 723-737.	2.4	34
763	The use of laser induced chlorophyll fluorescence (LIF) as a fast and non-destructive method to investigate water deficit in <i>Arabidopsis</i> . <i>Agricultural Water Management</i> , 2016, 164, 127-136.	2.4	51

#	ARTICLE	IF	CITATIONS
764	Salt-stress-responsive chloroplast proteins in <i>Brassica juncea</i> genotypes with contrasting salt tolerance and their quantitative PCR analysis. <i>Protoplasma</i> , 2016, 253, 1565-1575.	1.0	27
765	Salt-responsive mechanisms in chromosome segment substitution lines of rice (<i>Oryza sativa</i> L. cv.) Tj ETQq1 1 0.784314 rgBT ₁ /Overlo	2.8	36
766	Transcriptome analysis reveals the role of the root hairs as environmental sensors to maintain plant functions under water-deficiency conditions. <i>Journal of Experimental Botany</i> , 2016, 67, 1079-1094.	2.4	80
767	Drought-induced changes in photosynthetic apparatus and antioxidant components of wheat (<i>Triticum durum</i> Desf.) varieties. <i>Photosynthesis Research</i> , 2016, 130, 215-223.	1.6	50
768	Natural genetic variation for morphological and molecular determinants of plant growth and yield. <i>Journal of Experimental Botany</i> , 2016, 67, 2989-3001.	2.4	55
769	Dynamic Expression of miRNAs and Their Targets in the Response to Drought Stress of Grafted Cucumber Seedlings. <i>Horticultural Plant Journal</i> , 2016, 2, 41-49.	2.3	21
770	Responses of plant biomass, photosynthesis and lipid peroxidation to warming and precipitation change in two dominant species (<i>Stipa grandis</i> and <i>Leymus chinensis</i>) from North China Grasslands. <i>Ecology and Evolution</i> , 2016, 6, 1871-1882.	0.8	47
771	Different strategies of acclimation of photosynthesis, electron transport and antioxidative activity in leaves of two cotton species to water deficit. <i>Functional Plant Biology</i> , 2016, 43, 448.	1.1	19
772	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
773	An integrated approach to understand the mechanisms underlying salt stress tolerance in <i>Casuarina glauca</i> and its relation with nitrogen-fixing <i>Frankia</i> Thr. <i>Symbiosis</i> , 2016, 70, 111-116.	1.2	13
774	Photosynthesis and antioxidative defense mechanisms in deciphering drought stress tolerance of crop plants. <i>Biologia Plantarum</i> , 2016, 60, 201-218.	1.9	94
775	Drought physiology and gene expression characteristics of <i>Fraxinus</i> interspecific hybrids. <i>Plant Growth Regulation</i> , 2016, 78, 179-193.	1.8	17
776	B-type cyclin modulation in response to carbon balance in callus of <i>Populus alba</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 283-293.	1.2	3
777	Plant responses to ambient temperature fluctuations and water-limiting conditions: A proteome-wide perspective. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 916-931.	1.1	36
778	Morphological, physiological and biochemical adaptations of <i>Eucalyptus citriodora</i> seedlings under NaCl stress in hydroponic conditions. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	13
779	Effects of salinity on the photosynthetic apparatus of two <i>Paulownia</i> lines. <i>Plant Physiology and Biochemistry</i> , 2016, 101, 54-59.	2.8	48
780	Transcriptomic analysis of the succulent xerophyte <i>Zygophyllum xanthoxylum</i> in response to salt treatment and osmotic stress. <i>Plant and Soil</i> , 2016, 402, 343-361.	1.8	46
781	Melatonin increased maize (<i>Zea mays</i> L.) seedling drought tolerance by alleviating drought-induced photosynthetic inhibition and oxidative damage. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	169

#	ARTICLE	IF	CITATIONS
782	How nitrogen fixation is modulated in response to different water availability levels and during recovery: A structural and functional study at the whole plant level. <i>Plant and Soil</i> , 2016, 399, 1-12.	1.8	43
783	Physiological and antioxidant enzyme gene expression analysis reveals the improved tolerance to drought stress of the somatic hybrid offspring of <i>Brassica napus</i> and <i>Sinapis alba</i> at vegetative stage. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	17
784	Time-Series Transcriptomics Reveals That <i>AGAMOUS-LIKE22</i> Affects Primary Metabolism and Developmental Processes in Drought-Stressed <i>Arabidopsis</i> . <i>Plant Cell</i> , 2016, 28, 345-366.	3.1	92
785	Redox regulation of ascorbate and glutathione by a chloroplastic dehydroascorbate reductase is required for high-light stress tolerance in <i>Arabidopsis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 870-877.	0.6	51
786	Salt-tolerant rootstock increases yield of pepper under salinity through maintenance of photosynthetic performance and sinks strength. <i>Journal of Plant Physiology</i> , 2016, 193, 1-11.	1.6	88
787	Proteomics, photosynthesis and salt resistance in crops: An integrative view. <i>Journal of Proteomics</i> , 2016, 143, 24-35.	1.2	66
788	Consequences of moderate drought stress on the net photosynthesis, water-use efficiency and biomass production of three poplar clones. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	5
789	Proline Accumulation in Plants: Roles in Stress Tolerance and Plant Development. , 2016, , 155-166.		80
790	A novel <i>Dreb2</i> -type gene from <i>Carica papaya</i> confers tolerance under abiotic stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 125, 119-133.	1.2	24
791	Genotype by watering regime interaction in cultivated tomato: lessons from linkage mapping and gene expression. <i>Theoretical and Applied Genetics</i> , 2016, 129, 395-418.	1.8	35
792	Growth responses and physiological traits of seashore <i>paspalum</i> subjected to short-term salinity stress and recovery. <i>Agricultural Water Management</i> , 2016, 163, 57-65.	2.4	30
793	Drought response and yield formation of spring safflower under different water regimes in the semiarid Southern High Plains. <i>Agricultural Water Management</i> , 2016, 163, 354-362.	2.4	40
794	Cadmium stress alters the redox reaction and hormone balance in oilseed rape (<i>Brassica napus</i> L.) leaves. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3758-3769.	2.7	61
795	Leaf gas exchange and multiple enzymatic and non-enzymatic antioxidant strategies related to drought tolerance in two oil palm hybrids. <i>Trees - Structure and Function</i> , 2016, 30, 203-214.	0.9	31
796	Identification of candidate network hubs involved in metabolic adjustments of rice under drought stress by integrating transcriptome data and genome-scale metabolic network. <i>Plant Science</i> , 2016, 242, 224-239.	1.7	39
797	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
798	Monitoring the photosystem II behavior of wild and cultivated barley in response to progressive water stress and rehydration using OJIP chlorophyll a fluorescence transient. <i>Journal of Plant Nutrition</i> , 2016, 39, 1174-1185.	0.9	11
799	<i>Bacillus subtilis</i> -regulation of stomatal movement and instantaneous water use efficiency in <i>Vicia faba</i> . <i>Plant Growth Regulation</i> , 2016, 78, 43-55.	1.8	17

#	ARTICLE	IF	CITATIONS
800	Silicon Application Alleviates Drought Stress in Wheat Through Transcriptional Regulation of Multiple Antioxidant Defense Pathways. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 1-10.	2.8	180
801	Allocation pattern, ion partitioning, and chlorophyll <i>a</i> fluorescence in <i>Arundo donax</i> L. in responses to salinity stress. <i>Plant Biosystems</i> , 2017, 151, 613-622.	0.8	35
802	Effect of NaCl-induced changes in growth, photosynthetic characteristics, water status and enzymatic antioxidant system of <i>Calligonum caput-medusae</i> seedlings. <i>Photosynthetica</i> , 2017, 55, 96-106.	0.9	22
803	Insights into spermine-induced combined high temperature and drought tolerance in mung bean: osmoregulation and roles of antioxidant and glyoxalase system. <i>Protoplasma</i> , 2017, 254, 445-460.	1.0	98
804	Tolerance of <i>Mitragyna parvifolia</i> (Roxb.) Korth. seedlings to NaCl salinity. <i>Photosynthetica</i> , 2017, 55, 231-239.	0.9	10
805	Analysis of chlorophyll <i>a</i> fluorescence and proteomic differences of rice leaves in response to photooxidation. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	9
806	Drought coping strategies in cotton: increased crop per drop. <i>Plant Biotechnology Journal</i> , 2017, 15, 271-284.	4.1	226
807	Multifaceted role of cycling DOF factor 3 (CDF3) in the regulation of flowering time and abiotic stress responses in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 748-764.	2.8	110
808	Vis/NIR spectroscopy and chemometrics for non-destructive estimation of water and chlorophyll status in sunflower leaves. <i>Biosystems Engineering</i> , 2017, 155, 124-133.	1.9	53
809	Drought tolerance in two oil palm hybrids as related to adjustments in carbon metabolism and vegetative growth. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	33
810	Copper-Induced Responses in Poplar Clones are Associated with Genotype- and Organ-Specific Changes in Peroxidase Activity and Proline, Polyamine, ABA, and IAA Levels. <i>Journal of Plant Growth Regulation</i> , 2017, 36, 131-147.	2.8	21
811	Night and day "Circadian regulation of night-time dark respiration and light-enhanced dark respiration in plant leaves and canopies. <i>Environmental and Experimental Botany</i> , 2017, 137, 14-25.	2.0	23
812	Stoichiometric variation of halophytes in response to changes in soil salinity. <i>Plant Biology</i> , 2017, 19, 360-367.	1.8	17
813	Drought stress had a predominant effect over heat stress on three tomato cultivars subjected to combined stress. <i>BMC Plant Biology</i> , 2017, 17, 24.	1.6	246
814	Physiological and morphological responses of four different rice cultivars to soil water potential based deficit irrigation management strategies. <i>Field Crops Research</i> , 2017, 205, 78-94.	2.3	46
815	A morphophysiological analysis of the effects of drought and shade on <i>Catalpa bungei</i> plantlets. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	14
816	Leaf gas exchange and growth of two papaya (<i>Carica papaya</i> L.) genotypes are affected by elevated electrical conductivity of the nutrient solution. <i>Scientia Horticulturae</i> , 2017, 218, 230-239.	1.7	5
817	The use of metabolome analysis to identify the cause of an unexplained disease of Japanese gentians (<i>Gentiana triflora</i>). <i>Metabolomics</i> , 2017, 13, 1.	1.4	6

#	ARTICLE	IF	CITATIONS
818	Quantification of the response of global terrestrial net primary production to multifactor global change. <i>Ecological Indicators</i> , 2017, 76, 245-255.	2.6	36
819	Effect of exogenous selenium supply on photosynthesis, Na ⁺ accumulation and antioxidative capacity of maize (<i>Zea mays</i> L.) under salinity stress. <i>Scientific Reports</i> , 2017, 7, 42039.	1.6	201
820	Abiotic Stress. <i>Plant Genetics and Genomics: Crops and Models</i> , 2017, , 275-302.	0.3	0
821	Arbuscular mycorrhizas influence <i>Lycium barbarum</i> tolerance of water stress in a hot environment. <i>Mycorrhiza</i> , 2017, 27, 451-463.	1.3	32
822	Effects of salt water immersion caused by a tsunami on $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ values of <i>Pinus thunbergii</i> tree-ring cellulose. <i>Ecological Research</i> , 2017, 32, 271-277.	0.7	13
823	Impacts of the overexpression of a tomato translationally controlled tumor protein (TCTP) in tobacco revealed by phenotypic and transcriptomic analysis. <i>Plant Cell Reports</i> , 2017, 36, 887-900.	2.8	10
824	Photosynthetic response of four fern species from different habitats to drought stress: relationship between morpho-anatomical and physiological traits. <i>Photosynthetica</i> , 2017, 55, 689-697.	0.9	10
825	Photoprotective and antioxidative mechanisms against oxidative damage in <i>Fargesia rufa</i> subjected to drought and salinity. <i>Functional Plant Biology</i> , 2017, 44, 302.	1.1	8
826	Protection of Photosynthetic Algae against Ultraviolet Radiation by One-Step CeO ₂ Shellization. <i>Langmuir</i> , 2017, 33, 2454-2459.	1.6	29
827	Metabolic and physiological adjustment of <i>Suaeda maritima</i> to combined salinity and hypoxia. <i>Annals of Botany</i> , 2017, 119, mcw282.	1.4	37
828	Accumulation of high OPDA level correlates with reduced ROS and elevated GSH benefiting white cell survival in variegated leaves. <i>Scientific Reports</i> , 2017, 7, 44158.	1.6	17
829	Effect of grafting and gypsum application on cucumber (<i>Cucumis sativus</i> L.) growth under saline water irrigation. <i>Agricultural Water Management</i> , 2017, 188, 79-90.	2.4	20
830	A rapid quantification method for tissue Na ⁺ and K ⁺ concentrations in salt-tolerant and susceptible accessions in <i>Vigna vexillata</i> (L.) A. Rich.. <i>Plant Production Science</i> , 2017, 20, 144-148.	0.9	14
831	Highlighting the differential role of leaf paraheliotropism in two Mediterranean <i>Cistus</i> species under drought stress and well-watered conditions. <i>Journal of Plant Physiology</i> , 2017, 213, 199-208.	1.6	16
832	Physiological and epigenetic analyses of <i>Brassica napus</i> seed germination in response to salt stress. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	14
833	Salicylic acid mediated growth, physiological and proteomic responses in two wheat varieties under drought stress. <i>Journal of Proteomics</i> , 2017, 163, 28-51.	1.2	81
834	CaMKK1 from <i>Chenopodium album</i> positively regulates salt and drought tolerance in transgenic tobacco. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 130, 209-225.	1.2	5
835	Chloroplast function and ion regulation in plants growing on saline soils: lessons from halophytes. <i>Journal of Experimental Botany</i> , 2017, 68, 3129-3143.	2.4	187

#	ARTICLE	IF	CITATIONS
836	Background Insect Herbivory: Impacts, Patterns and Methodology. Progress in Botany Fortschritte Der Botanik, 2017, , 313-355.	0.1	16
837	A roadmap for improving the representation of photosynthesis in Earth system models. New Phytologist, 2017, 213, 22-42.	3.5	365
838	Water relations and carbohydrate partitioning of four greenhouse-grown olive genotypes under long-term drought. Trees - Structure and Function, 2017, 31, 717-727.	0.9	25
839	The effect of salt stress on lime aphid abundance on Crimean linden (<i>Tilia</i> "Euchlora"™) leaves. Urban Forestry and Urban Greening, 2017, 21, 74-79.	2.3	20
840	The long-term resistance mechanisms, critical irrigation threshold and relief capacity shown by <i>Eugenia myrtifolia</i> plants in response to saline reclaimed water. Plant Physiology and Biochemistry, 2017, 111, 244-256.	2.8	45
841	Variation in ornamental traits, physiological responses of <i>Tagetes erecta</i> L. and <i>T. patula</i> L. in relation to antioxidant and metabolic profile under deficit irrigation strategies. Scientia Horticulturae, 2017, 214, 200-208.	1.7	17
842	Phenotypic differences determine drought stress responses in ecotypes of <i>Arundo donax</i> adapted to different environments. Journal of Experimental Botany, 2017, 68, 2439-2451.	2.4	23
843	Effects, tolerance mechanisms and management of salt stress in grain legumes. Plant Physiology and Biochemistry, 2017, 118, 199-217.	2.8	171
844	Effects of temporally biased watering on the nitrogen response of <i>Chenopodium album</i> . Acta Oecologica, 2017, 82, 61-68.	0.5	0
845	Improvement of drought tolerance in Tobacco (<i>Nicotiana rustica</i> L.) plants by Silicon. Journal of Plant Nutrition, 2017, 40, 1661-1676.	0.9	40
846	Elevated CO ₂ improved the growth of a double nitrate reductase defective mutant of <i>Arabidopsis thaliana</i> : The importance of maintaining a high energy status. Environmental and Experimental Botany, 2017, 140, 110-119.	2.0	5
847	Integration of transcriptomic and metabolic data reveals hub transcription factors involved in drought stress response in sunflower (<i>Helianthus annuus</i> L.). Plant Molecular Biology, 2017, 94, 549-564.	2.0	51
848	Green roof <i>Petunia</i> , <i>Ageratum</i> , and <i>Mentha</i> responses to water stress, seaweeds, and trinexapac-ethyl treatments. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	11
849	Multiple mechanisms mediate growth and survival in young seedlings of two populations of the halophyte <i>Atriplex halimus</i> (L.) subjected to long single-step salinity treatments. Functional Plant Biology, 2017, 44, 761.	1.1	6
850	Development changes in calla lily plants due to salt stress. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	8
851	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
852	Ethylenediamine-N,N'-disuccinic acid mitigates salt stress damages in strawberry by interfering with effects on the plant ionome. Annals of Applied Biology, 2017, 171, 190-201.	1.3	1
853	Predictive Models of Spatial Transcriptional Response to High Salinity. Plant Physiology, 2017, 174, 450-464.	2.3	24

#	ARTICLE	IF	CITATIONS
854	Current Trends and Emerging Challenges in Sustainable Management of Salt-Affected Soils: A Critical Appraisal. , 2017, , 1-40.		10
855	Yield, grain size, protein content and water use efficiency of null-LOX malt barley in a semiarid Mediterranean agroecosystem. <i>Field Crops Research</i> , 2017, 206, 115-127.	2.3	18
856	Exogenous Glutathione Modulates Salinity Tolerance of Soybean [<i>Glycine max</i> (L.) Merrill] at Reproductive Stage. <i>Journal of Plant Growth Regulation</i> , 2017, 36, 877-888.	2.8	69
857	Salinity induced changes in light harvesting and carbon assimilating complexes of <i>Desmostachya bipinnata</i> (L.) Staph.. <i>Environmental and Experimental Botany</i> , 2017, 135, 86-95.	2.0	61
858	Physiological performance of two contrasting rice varieties under water stress. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 85-97.	1.4	36
859	Abscisic acid and transpiration rate are involved in the response to boron toxicity in <i>Arabidopsis</i> plants. <i>Physiologia Plantarum</i> , 2017, 160, 21-32.	2.6	26
860	NO accumulation alleviates H ₂ O ₂ -dependent oxidative damage induced by Ca(NO ₃) ₂ stress in the leaves of pumpkin-grafted cucumber seedlings. <i>Physiologia Plantarum</i> , 2017, 160, 33-45.	2.6	8
861	Loss in photosynthesis during senescence is accompanied by an increase in the activity of Î²-galactosidase in leaves of <i>Arabidopsis thaliana</i> : modulation of the enzyme activity by water stress. <i>Protoplasma</i> , 2017, 254, 1651-1659.	1.0	23
862	Estimation of leaf water content in sunflower under drought conditions by means of spectral reflectance. <i>Engineering in Agriculture, Environment and Food</i> , 2017, 10, 104-108.	0.2	7
863	CaCl ₂ treatment improves drought stress tolerance in barley (<i>Hordeum vulgare</i> L.). <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	46
864	Effects of water stress on emission of volatile organic compounds by <i>Vicia faba</i> , and consequences for attraction of the egg parasitoid <i>Trissolcus basalis</i> . <i>Journal of Pest Science</i> , 2017, 90, 635-647.	1.9	29
865	Osmotic adjustment of young sugar beets (<i>Beta vulgaris</i>) under progressive drought stress and subsequent rewatering assessed by metabolite analysis and infrared thermography. <i>Functional Plant Biology</i> , 2017, 44, 119.	1.1	40
866	Stomatal behaviour under terminal drought affects post-anthesis water use in wheat. <i>Functional Plant Biology</i> , 2017, 44, 279.	1.1	16
867	Differential expression profiles and pathways of genes in drought resistant tree species <i>Prunus mahaleb</i> roots and leaves in response to drought stress. <i>Scientia Horticulturae</i> , 2017, 226, 75-84.	1.7	14
868	Chlorophyll a fluorescence reveals adaptation strategies in drought stress in <i>Ricinus communis</i> . <i>Revista Brasileira De Botanica</i> , 2017, 40, 861-870.	0.5	5
869	Effect of potassium application in drought-stressed tobacco (<i>Nicotiana rustica</i> L.) plants: Comparison of root with foliar application. <i>Annals of Agricultural Sciences</i> , 2017, 62, 121-130.	1.1	64
870	Comparison of phosphorylation and assembly of photosystem complexes and redox homeostasis in two wheat cultivars with different drought resistance. <i>Scientific Reports</i> , 2017, 7, 12718.	1.6	29
871	Bacteria and smoke-water extract improve growth and induce the synthesis of volatile defense mechanisms in <i>Vitis vinifera</i> L.. <i>Plant Physiology and Biochemistry</i> , 2017, 120, 1-9.	2.8	25

#	ARTICLE	IF	CITATIONS
872	Current Trends in Salinity and Waterlogging Tolerance. , 2017, , 177-220.		2
873	Pre-colonized seedlings with arbuscular mycorrhizal fungi: an alternative for the cultivation of <i>Jatropha curcas</i> L. in salinized soils. <i>Theoretical and Experimental Plant Physiology</i> , 2017, 29, 129-142.	1.1	5
874	Comprehensive physiological analyses and reactive oxygen species profiling in drought tolerant rice genotypes under salinity stress. <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 837-850.	1.4	43
876	Rhizobial Amelioration of Drought Stress in Legumes. , 2017, , 341-365.		4
877	Insights into grapevine defense response against drought as revealed by biochemical, physiological and RNA-Seq analysis. <i>Scientific Reports</i> , 2017, 7, 13134.	1.6	107
878	Overexpression of an aquaglyceroporin gene from <i>Trichoderma harzianum</i> improves water-use efficiency and drought tolerance in <i>Nicotiana tabacum</i> . <i>Plant Physiology and Biochemistry</i> , 2017, 121, 38-47.	2.8	19
879	A combination of stomata deregulation and a distinctive modulation of amino acid metabolism are associated with enhanced tolerance of wheat varieties to transient drought. <i>Metabolomics</i> , 2017, 13, 1.	1.4	6
880	Tolerance Pathways to Desiccation Stress in Seaweeds. , 2017, , 13-33.		11
881	Drought effects on root and needle terpenoid content of a coastal and an interior Douglas fir provenance. <i>Tree Physiology</i> , 2017, 37, 1648-1658.	1.4	49
882	Better tolerance to water deficit in doubled diploid 'Carrizo citrange'™ compared to diploid seedlings is associated with more limited water consumption. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	29
883	Transcriptomic, biochemical and physio-anatomical investigations shed more light on responses to drought stress in two contrasting sesame genotypes. <i>Scientific Reports</i> , 2017, 7, 8755.	1.6	62
884	The Tomato DOF Daily Fluctuations 1, TDDF1 acts as flowering accelerator and protector against various stresses. <i>Scientific Reports</i> , 2017, 7, 10299.	1.6	30
885	Effects of catalase on chloroplast arrangement in <i>Opuntia streptacantha</i> chlorenchyma cells under salt stress. <i>Scientific Reports</i> , 2017, 7, 8656.	1.6	26
886	Dealing with abiotic stresses: an integrative view of how phytohormones control abiotic stress-induced oxidative stress. <i>Theoretical and Experimental Plant Physiology</i> , 2017, 29, 109-127.	1.1	30
887	Crosstalk between diurnal rhythm and water stress reveals an altered primary carbon flux into soluble sugars in drought-treated rice leaves. <i>Scientific Reports</i> , 2017, 7, 8214.	1.6	15
888	Leaf proteomics of drought-sensitive and -tolerant genotypes of fennel. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1433-1444.	1.1	19
889	Effects of 5-aminolevulinic acid on water uptake, ionic toxicity, and antioxidant capacity of Swiss chard (<i>Beta vulgaris</i> L.) under sodic-alkaline conditions. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 535-543.	1.1	13
890	Photochemical performance of <i>Carpobrotus edulis</i> in response to various substrate salt concentrations. <i>South African Journal of Botany</i> , 2017, 111, 258-266.	1.2	9

#	ARTICLE	IF	CITATIONS
891	Salt responsive physiological, photosynthetic and biochemical attributes at early seedling stage for screening soybean genotypes. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 519-528.	2.8	42
892	Leaf gas exchange physiology and ion homeostasis of oilseed rape (<i>Brassica napus</i> L.) under Mediterranean conditions: Associations with seed yield and quality. <i>Agriculture, Ecosystems and Environment</i> , 2017, 247, 225-235.	2.5	2
893	Biotic and Abiotic Factors to Increase Bioactive Compounds in Fruits and Vegetables. , 2017, , 317-349.		14
894	Temperature gradients assist carbohydrate allocation within trees. <i>Scientific Reports</i> , 2017, 7, 3265.	1.6	47
895	Integrated regulatory network reveals the early salt tolerance mechanism of <i>Populus euphratica</i> . <i>Scientific Reports</i> , 2017, 7, 6769.	1.6	16
896	Photosynthetic limitation and mechanisms of photoprotection under drought and recovery of <i>Calotropis procera</i> , an evergreen C3 from arid regions. <i>Plant Physiology and Biochemistry</i> , 2017, 118, 589-599.	2.8	39
897	The case for evidence-based policy to support stress-resilient cropping systems. <i>Food and Energy Security</i> , 2017, 6, 5-11.	2.0	4
898	Regulation of the photosynthetic electron transport and specific photoprotective mechanisms in <i>Ricinus communis</i> under drought and recovery. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	12
899	Hormonal dynamics during salt stress responses of salt-sensitive <i>Arabidopsis thaliana</i> and salt-tolerant <i>Thellungiella salsuginea</i> . <i>Plant Science</i> , 2017, 264, 188-198.	1.7	72
900	The influence of soil salinity on volatile organic compounds emission and photosynthetic parameters of <i>Solanum lycopersicum</i> L. varieties. <i>Open Life Sciences</i> , 2017, 12, 135-142.	0.6	21
901	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
903	Influence of water deficit on photosynthetic activity, dry matter partitioning and grain yield of different durum and bread wheat genotypes. <i>Cereal Research Communications</i> , 2017, 45, 432-441.	0.8	6
904	Mild water deficit increases the contents of bioactive compounds in dropwort. <i>Horticulture Environment and Biotechnology</i> , 2017, 58, 458-466.	0.7	7
905	Proteomic analysis of early salt stress responsive proteins in alfalfa roots and shoots. <i>Proteome Science</i> , 2017, 15, 19.	0.7	52
906	Physiological and molecular characterization of Kenyan barley (<i>Hordeum vulgare</i> L.) seedlings for salinity and drought tolerance. <i>Euphytica</i> , 2017, 213, 1.	0.6	16
907	Transient silencing of phytoene desaturase reveals critical roles on plant response to salinity stress. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	8
908	Salinity source alters mineral composition and metabolism of <i>Cichorium spinosum</i> . <i>Environmental and Experimental Botany</i> , 2017, 141, 113-123.	2.0	35
909	Using controlled salt stress and $\hat{1}^2$ -aminobutyric acid signaling to decrease transplant failure. <i>Scientia Horticulturae</i> , 2017, 225, 156-162.	1.7	13

#	ARTICLE	IF	CITATIONS
910	Nitrogen-deficiency-induced loss in photosynthesis and modulation of β -galactosidase activity during senescence of Arabidopsis leaves. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	1.0	10
911	Photosynthetic CO ₂ /H ₂ O gas exchange and dynamics of carbohydrates content in maize leaves under drought. <i>Russian Journal of Plant Physiology</i> , 2017, 64, 536-542.	0.5	12
912	Non-uniform salinity in the root zone alleviates salt damage by increasing sodium, water and nutrient transport genes expression in cotton. <i>Scientific Reports</i> , 2017, 7, 2879.	1.6	34
913	A chitinase from <i>Euphorbia characias</i> latex is a novel and powerful plant-based pesticide against <i>Drosophila suzukii</i> . <i>Annals of Applied Biology</i> , 2017, 171, 252-263.	1.3	4
914	Metabolic features involved in drought stress tolerance mechanisms in peanut nodules and their contribution to biological nitrogen fixation. <i>Plant Science</i> , 2017, 263, 12-22.	1.7	46
915	Contrasting direct and indirect effects of warming and drought on isoprenoid emissions from Mediterranean oaks. <i>Regional Environmental Change</i> , 2017, 17, 2121-2133.	1.4	14
916	Selecting vegetative/generative/dwarfing rootstocks for improving fruit yield and quality in water stressed sweet peppers. <i>Scientia Horticulturae</i> , 2017, 214, 9-17.	1.7	51
917	Meta-analysis of major QTL for abiotic stress tolerance in barley and implications for barley breeding. <i>Planta</i> , 2017, 245, 283-295.	1.6	91
918	Photo-modulation of programmed cell death in rice leaves triggered by salinity. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 41-56.	2.2	18
919	Physiologic and agronomic traits in safflower under various irrigation strategies, planting methods and nitrogen fertilization. <i>Industrial Crops and Products</i> , 2017, 95, 126-139.	2.5	42
920	Drought stress memory in the photosynthetic mechanisms of an invasive CAM species, <i>Aptenia cordifolia</i> . <i>Photosynthesis Research</i> , 2017, 131, 241-253.	1.6	24
921	Evaluating physiological responses of plants to salinity stress. <i>Annals of Botany</i> , 2017, 119, 1-11.	1.4	833
922	Effects of arbuscular mycorrhizal fungi on the growth, photosynthesis and photosynthetic pigments of <i>Leymus chinensis</i> seedlings under salt-alkali stress and nitrogen deposition. <i>Science of the Total Environment</i> , 2017, 576, 234-241.	3.9	152
923	Applying hyperspectral imaging to explore natural plant diversity towards improving salt stress tolerance. <i>Science of the Total Environment</i> , 2017, 578, 90-99.	3.9	86
924	Quantification of Climate Variability, Adaptation and Mitigation for Agricultural Sustainability. , 2017, , .		35
925	Drought Tolerance in Cereal Grain Crops Under Changing Climate. , 2017, , 181-209.		2
926	Arbuscular mycorrhizal fungi enhanced the growth, photosynthesis, and calorific value of black locust under salt stress. <i>Photosynthetica</i> , 2017, 55, 378-385.	0.9	28
927	Climate Variability Impact on Rice Production: Adaptation and Mitigation Strategies. , 2017, , 91-111.		26

#	ARTICLE	IF	CITATIONS
928	Photosynthetic responses of a wheat (Asakaze)-barley (Manas) 7H addition line to salt stress. <i>Photosynthetica</i> , 2017, 55, 317-328.	0.9	7
929	Optimal plant water economy. <i>Plant, Cell and Environment</i> , 2017, 40, 881-896.	2.8	93
930	Stress Effects of Chlorate on Longan (<i>Dimocarpus longan</i> Lour.) Trees: Changes in Nitrogen and Carbon Nutrition. <i>Horticultural Plant Journal</i> , 2017, 3, 237-246.	2.3	8
931	Essential role for phyto kinase and tocopherol in tolerance to combined light and temperature stress in tomato. <i>Journal of Experimental Botany</i> , 2017, 68, 5845-5856.	2.4	74
932	Short-term physiological plasticity: Trade-off between drought and recovery responses in three Mediterranean <i>Cistus</i> species. <i>Ecology and Evolution</i> , 2017, 7, 10880-10889.	0.8	17
933	Application of proline to root medium is more effective for amelioration of photosynthetic damages as compared to foliar spraying or seed soaking in maize seedlings under short-term drought. <i>Turkish Journal of Biology</i> , 2017, 41, 649-660.	2.1	8
934	Drought-Tolerant Plants. , 2017, , 101-123.		1
935	The Amino Acid Metabolic and Carbohydrate Metabolic Pathway Play Important Roles during Salt-Stress Response in Tomato. <i>Frontiers in Plant Science</i> , 2017, 8, 1231.	1.7	93
936	Salt Stress Tolerance in Rice: Emerging Role of Exogenous Phytoprotectants. , 0, , .		14
937	A Quantitative Profiling Method of Phytohormones and Other Metabolites Applied to Barley Roots Subjected to Salinity Stress. <i>Frontiers in Plant Science</i> , 2016, 7, 2070.	1.7	63
938	Rubisco and Rubisco Activase Play an Important Role in the Biochemical Limitations of Photosynthesis in Rice, Wheat, and Maize under High Temperature and Water Deficit. <i>Frontiers in Plant Science</i> , 2017, 8, 490.	1.7	240
939	Differential Responses of Polyamines and Antioxidants to Drought in a Centipedegrass Mutant in Comparison to Its Wild Type Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 792.	1.7	32
940	Comparative Physiological and Molecular Analyses of Two Contrasting Flue-Cured Tobacco Genotypes under Progressive Drought Stress. <i>Frontiers in Plant Science</i> , 2017, 8, 827.	1.7	42
941	Effects of Nitrogen Supply on Water Stress and Recovery Mechanisms in Kentucky Bluegrass Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 983.	1.7	143
942	Metabolic Effects of Acibenzolar-S-Methyl for Improving Heat or Drought Stress in Creeping Bentgrass. <i>Frontiers in Plant Science</i> , 2017, 8, 1224.	1.7	33
943	ABA-Mediated Stomatal Response in Regulating Water Use during the Development of Terminal Drought in Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 1251.	1.7	124
944	<i>Ascophyllum nodosum</i> Seaweed Extract Alleviates Drought Stress in <i>Arabidopsis</i> by Affecting Photosynthetic Performance and Related Gene Expression. <i>Frontiers in Plant Science</i> , 2017, 8, 1362.	1.7	137
945	Arbuscular Mycorrhizal Symbiosis Alleviates Salt Stress in Black Locust through Improved Photosynthesis, Water Status, and K ⁺ /Na ⁺ Homeostasis. <i>Frontiers in Plant Science</i> , 2017, 8, 1739.	1.7	162

#	ARTICLE	IF	CITATIONS
946	Transgenic Peanut (<i>Arachis hypogaea</i> L.) Overexpressing mtID Gene Showed Improved Photosynthetic, Physio-Biochemical, and Yield-Parameters under Soil-Moisture Deficit Stress in Lysimeter System. <i>Frontiers in Plant Science</i> , 2017, 8, 1881.	1.7	12
947	Exogenous Calcium Enhances the Photosystem II Photochemistry Response in Salt Stressed Tall Fescue. <i>Frontiers in Plant Science</i> , 2017, 8, 2032.	1.7	21
948	Assessing the Effects of Water Deficit on Photosynthesis Using Parameters Derived from Measurements of Leaf Gas Exchange and of Chlorophyll a Fluorescence. <i>Frontiers in Plant Science</i> , 2017, 8, 2068.	1.7	98
949	Regulation of Na ⁺ and K ⁺ homeostasis in plants: towards improved salt stress tolerance in crop plants. <i>Genetics and Molecular Biology</i> , 2017, 40, 326-345.	0.6	428
950	EVALUATION OF GAS EXCHANGES IN DIFFERENT <i>Prunus</i> SPP. ROOTSTOCKS UNDER DROUGHT AND FLOODING STRESS. <i>Revista Brasileira De Fruticultura</i> , 2017, 39, .	0.2	7
951	Attenuation of Drought Stress in Brassica Seedlings with Exogenous Application of Ca ²⁺ and H ₂ O ₂ . <i>Plants</i> , 2017, 6, 20.	1.6	57
952	Diffusive and Metabolic Constraints to Photosynthesis in Quinoa during Drought and Salt Stress. <i>Plants</i> , 2017, 6, 49.	1.6	48
953	Plant Responses to Salt Stress: Adaptive Mechanisms. <i>Agronomy</i> , 2017, 7, 18.	1.3	872
954	Drought Stress-Related Physiological Changes and Histone Modifications in Barley Primary Leaves at HSP17 Gene. <i>Agronomy</i> , 2017, 7, 43.	1.3	19
955	Response of Chlorophyll, Carotenoid and SPAD-502 Measurement to Salinity and Nutrient Stress in Wheat (<i>Triticum aestivum</i> L.). <i>Agronomy</i> , 2017, 7, 61.	1.3	164
956	Effect on Quality Characteristics of Tomatoes Grown Under Well-Watered and Drought Stress Conditions. <i>Foods</i> , 2017, 6, 56.	1.9	83
957	Temporal network analysis identifies early physiological and transcriptomic indicators of mild drought in <i>Brassica rapa</i> . <i>ELife</i> , 2017, 6, .	2.8	95
958	Gibberellins Producing Endophytic Fungus <i>Porostereum spadiceum</i> AGH786 Rescues Growth of Salt Affected Soybean. <i>Frontiers in Microbiology</i> , 2017, 8, 686.	1.5	165
959	Effects of salt stress on water status, photosynthesis and chlorophyll fluorescence of rocket. <i>Plant, Soil and Environment</i> , 2017, 63, 362-367.	1.0	80
960	Genomewide Expression and Functional Interactions of Genes under Drought Stress in Maize. <i>International Journal of Genomics</i> , 2017, 2017, 1-14.	0.8	47
961	Physiological response and productivity of safflower lines under water deficit and rehydration. <i>Anais Da Academia Brasileira De Ciências</i> , 2017, 89, 3051-3066.	0.3	21
962	Molecular responses of genetically modified maize to abiotic stresses as determined through proteomic and metabolomic analyses. <i>PLoS ONE</i> , 2017, 12, e0173069.	1.1	43
963	Transcriptomic analysis of salt stress responsive genes in <i>Rhazya stricta</i> . <i>PLoS ONE</i> , 2017, 12, e0177589.	1.1	27

#	ARTICLE	IF	CITATIONS
964	Effects of Extreme Drought on Photosynthesis and Water Potential of <i>Andropogon gerardii</i> (Big Bluestem) Ecotypes in Common Gardens Across Kansas. <i>Transactions of the Kansas Academy of Science</i> , 2017, 120, 1-16.	0.0	14
965	Mesurer la sÅ©crÅ©tion nectarifÅ©re: exemple d'une lignÅ©e hybride F1 et de son parent mÅ©le stÅ©rile chez le colza d'hiver (<i>Brassica napus</i> L.). <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2017, 24, D602.	0.6	3
966	Growth and quality of <i>Handroanthus impetiginosus</i> (Mart. ex DC.) Mattos seedlings irrigated with saline fish effluent. <i>Australian Journal of Crop Science</i> , 2017, 11, 1457-1461.	0.1	2
967	Gas exchange of four woody species under salinity and soil waterlogging. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2017, 21, 670-674.	0.4	2
968	Growth and Physiology of <i>Senegalia senegal</i> (L.) Britton Seedlings as Influenced by Seed Origin and Salinity and Fertility Treatments. <i>Forests</i> , 2017, 8, 388.	0.9	3
969	Morphological and Biochemical Alterations of Paddy Rice in Response to Stress Caused by Herbicides and Total Plant Submersion. <i>Planta Daninha</i> , 2017, 35, .	0.5	6
970	Effect of Biostimulants on Several Physiological Characteristics and Chlorophyll Content in Broccoli under Drought Stress and Re-watering. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 45, 197-202.	0.5	45
971	Deciphering soybean molecular stress response via high-throughput approach. <i>Acta Biochimica Polonica</i> , 2017, 63, 631-643.	0.3	13
972	Respuesta en parÅ©metros de intercambio gaseoso y supervivencia en plantas jÅ©venes de genotipos comerciales de <i>Eucalyptus</i> spp sometidas a dÅ©ficit hÅ©drico. <i>Bosque</i> , 2017, 38, 79-87.	0.1	5
973	Gas exchange and photosynthetic pigments in bell pepper irrigated with saline water. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2017, 21, 38-43.	0.4	23
974	Salinity reduces carbon assimilation and the harvest index of cassava plants (<i> <i>Manihot esculenta</i> </i> Crantz). <i>Acta Scientiarum - Agronomy</i> , 2017, 39, 545.	0.6	25
975	Re-watering: An effective measure to recover growth and photosynthetic characteristics in salt-stressed <i>Brassica napus</i> L.. <i>Chilean Journal of Agricultural Research</i> , 2017, 77, 78-86.	0.4	11
976	PHYSIOLOGICAL RESPONSES OF DWARF COCONUT PLANTS UNDER WATER DEFICIT IN SALT-AFFECTED SOILS. <i>Revista Caatinga</i> , 2017, 30, 447-457.	0.3	11
977	Characterizing Physiological and Proteomic Analysis of the Action of H2S to Mitigate Drought Stress in Young Seedling of Wheat. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 45-57.	1.0	29
978	Fungal endophytes and a virus confer drought tolerance to <i>Nicotiana benthamiana</i> plants through modulating osmolytes, antioxidant enzymes and expression of host drought responsive genes. <i>Environmental and Experimental Botany</i> , 2018, 149, 95-108.	2.0	49
979	Metabolomics and its physiological regulation process reveal the salt-tolerant mechanism in <i>Glycine soja</i> seedling roots. <i>Plant Physiology and Biochemistry</i> , 2018, 126, 187-196.	2.8	47
980	Variation in polyphenolic composition, antioxidants and physiological characteristics of globe artichoke (<i>Cynara cardunculus</i> var. <i>scolymus</i> Hayek L.) as affected by drought stress. <i>Scientia Horticulturae</i> , 2018, 233, 378-385.	1.7	44
981	Differentially expressed proteins associated with drought tolerance in bananas (<i>Musa</i> spp.). <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	12

#	ARTICLE	IF	CITATIONS
982	Natural silicates mixed with organic fertilizers enhance corn adaptation to salt stress and improve physical characteristics of sandy soil. <i>Journal of Crop Improvement</i> , 2018, 32, 188-207.	0.9	10
983	Drought stress revealed physiological, biochemical and gene-expressional variations in "Yoshihime"™ peach (<i>Prunus Persica</i> L) cultivar. <i>Journal of Plant Interactions</i> , 2018, 13, 83-90.	1.0	75
984	Short-term salt stress strongly affects dynamic photosynthesis, but not steady-state photosynthesis, in tomato (<i>Solanum lycopersicum</i>). <i>Environmental and Experimental Botany</i> , 2018, 149, 109-119.	2.0	49
985	Galactolipid remodeling is involved in drought-induced leaf senescence in maize. <i>Environmental and Experimental Botany</i> , 2018, 150, 57-68.	2.0	46
986	Salinity Stress Responses and Adaptive Mechanisms in Major Glycophytic Crops: The Story So Far. , 2018, , 1-39.		9
987	Manipulating Metabolic Pathways for Development of Salt-Tolerant Crops. , 2018, , 235-256.		4
988	Ameliorative effects of calcium nitrate and humic acid on the growth, yield component and biochemical attribute of pepper (<i>Capsicum annuum</i>) plants grown under salt stress. <i>Scientia Horticulturae</i> , 2018, 236, 244-250.	1.7	94
989	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
990	Reflectance and biochemical responses of maize plants to drought and re-watering cycles. <i>Annals of Applied Biology</i> , 2018, 172, 332-345.	1.3	11
991	Strategies to Mitigate the Salt Stress Effects on Photosynthetic Apparatus and Productivity of Crop Plants. , 2018, , 85-136.		52
992	Higher phenotypic plasticity does not confer higher salt resistance to <i>Robinia pseudoacacia</i> than <i>Amorpha fruticosa</i> . <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	7
993	Water-stress induced downsizing of light-harvesting antenna complex protects developing rice seedlings from photo-oxidative damage. <i>Scientific Reports</i> , 2018, 8, 5955.	1.6	81
994	A novel gene of <i>Kalanchoe daigremontiana</i> confers plant drought resistance. <i>Scientific Reports</i> , 2018, 8, 2547.	1.6	7
995	Lack of mitochondrial thioredoxin <i>1</i> is compensated by antioxidant components under salinity in <i>Arabidopsis thaliana</i> plants. <i>Physiologia Plantarum</i> , 2018, 164, 251-267.	2.6	17
996	Acclimation-induced metabolic reprogramming contributes to rapid desiccation tolerance acquisition in <i>Boea hygrometrica</i> . <i>Environmental and Experimental Botany</i> , 2018, 148, 70-84.	2.0	23
997	Zeolite and hydrogel improve yield of greenhouse cucumber in soil-less medium under water limitation. <i>Rhizosphere</i> , 2018, 6, 7-10.	1.4	14
998	Kaolin particle film application stimulates photoassimilate synthesis and modifies the primary metabolome of grape leaves. <i>Journal of Plant Physiology</i> , 2018, 223, 47-56.	1.6	43
999	An unusual strategy of stomatal control in the desert shrub <i>Ammopiptanthus mongolicus</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 125, 13-26.	2.8	7

#	ARTICLE	IF	CITATIONS
1000	Application of a diffusion model to measure ion leakage of resurrection plant leaves undergoing desiccation. <i>Plant Physiology and Biochemistry</i> , 2018, 125, 185-192.	2.8	13
1001	Cold and Water Deficit Regulatory Mechanisms in Rice: Optimizing Stress Tolerance Potential by Pathway Integration and Network Engineering. , 2018, , 317-359.		8
1002	Co-expression of AtNHX1 and TsVP improves the salt tolerance of transgenic cotton and increases seed cotton yield in a saline field. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	17
1004	Linking gene regulation, physiology, and plant biomass allocation in <i>Andropogon gerardii</i> in response to drought. <i>Plant Ecology</i> , 2018, 219, 1-15.	0.7	14
1005	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
1006	Drought stress impact on leaf proteome variations of faba bean (<i>Vicia faba</i> L.) in the Qinghaiâ€“Tibet Plateau of China. <i>3 Biotech</i> , 2018, 8, 110.	1.1	33
1007	Drought tolerance of sugarcane is improved by previous exposure to water deficit. <i>Journal of Plant Physiology</i> , 2018, 223, 9-18.	1.6	59
1008	Combined effects of salinity and phosphorus availability on growth, gas exchange, and nutrient status of <i>Catapodium rigidum</i> . <i>Arid Land Research and Management</i> , 2018, 32, 277-290.	0.6	17
1009	Seaweed extract improve drought tolerance of soybean by regulating stress-response genes. <i>AoB PLANTS</i> , 2018, 10, plx051.	1.2	93
1010	Photosynthetic acclimation of an evergreen broadleaved shrub (<i>Ammopiptanthus mongolicus</i>) to seasonal climate extremes on the Alxa Plateau, a cold desert ecosystem. <i>Trees - Structure and Function</i> , 2018, 32, 603-614.	0.9	8
1011	First evidence of freezing tolerance in a resurrection plant: insights into molecular mobility and zeaxanthin synthesis in the dark. <i>Physiologia Plantarum</i> , 2018, 163, 472-489.	2.6	34
1012	Effects of flooding stress on the photosynthetic apparatus of leaves of two <i>Physocarpus</i> cultivars. <i>Journal of Forestry Research</i> , 2018, 29, 1049-1059.	1.7	30
1013	Evaluating the utility of solar-induced chlorophyll fluorescence for drought monitoring by comparison with NDVI derived from wheat canopy. <i>Science of the Total Environment</i> , 2018, 625, 1208-1217.	3.9	95
1014	Salt-induced effects on growth and photosynthetic traits of <i>Orychophragmus violaceus</i> and its restoration through re-watering. <i>Revista Brasileira De Botanica</i> , 2018, 41, 29-41.	0.5	11
1015	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
1016	The role of retrograde signals during plant stress responses. <i>Journal of Experimental Botany</i> , 2018, 69, 2783-2795.	2.4	93
1017	Photosynthesis and salinity: are these mutually exclusive?. <i>Photosynthetica</i> , 2018, 56, 366-381.	0.9	61
1018	Ecological response of <i>Casuarina equisetifolia</i> to environmental stress in coastal dunes in China. <i>Journal of Forest Research</i> , 2018, 23, 173-182.	0.7	2

#	ARTICLE	IF	CITATIONS
1019	Comparative analysis of alfalfa (<i>Medicago sativa</i> L.) leaf transcriptomes reveals genotype-specific salt tolerance mechanisms. <i>BMC Plant Biology</i> , 2018, 18, 35.	1.6	93
1020	Effects of drought stress and water recovery on physiological responses and gene expression in maize seedlings. <i>BMC Plant Biology</i> , 2018, 18, 68.	1.6	116
1021	Drought timing influences the legacy of tree growth recovery. <i>Global Change Biology</i> , 2018, 24, 3546-3559.	4.2	165
1022	Synergistic Effects of Nitrogen and Potassium on Quantitative Limitations to Photosynthesis in Rice (<i>Oryza sativa</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5125-5132.	2.4	27
1023	The Glyoxalase System: A Possible Target for Production of Salinity-Tolerant Crop Plants. , 2018, , 257-281.		4
1024	A differential tolerance to mild salt stress conditions among six Italian rice genotypes does not rely on Na ⁺ exclusion from shoots. <i>Journal of Plant Physiology</i> , 2018, 226, 145-153.	1.6	33
1025	Combined effects of drought and high temperature on photosynthetic characteristics in four winter wheat genotypes. <i>Field Crops Research</i> , 2018, 223, 137-149.	2.3	57
1026	A general overview of the benefits and possible negative effects of the nanotechnology in horticulture. <i>Scientia Horticulturae</i> , 2018, 238, 126-137.	1.7	107
1027	Redox Protein Thioredoxins: Function Under Salinity, Drought and Extreme Temperature Conditions. , 2018, , 123-162.		11
1028	Selenium enhanced degradation of diesel by <i>Erigeron annuus</i> . <i>Journal of Soils and Sediments</i> , 2018, 18, 1906-1914.	1.5	4
1029	Close-range hyperspectral image analysis for the early detection of stress responses in individual plants in a high-throughput phenotyping platform. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2018, 138, 121-138.	4.9	111
1030	Effect of different levels of water salinity and biochar on wheat yield under greenhouse conditions. <i>Acta Horticulturae</i> , 2018, , 83-88.	0.1	4
1031	Similarities and differences between the responses to osmotic and ionic stress in quinoa from a water use perspective. <i>Agricultural Water Management</i> , 2018, 203, 344-352.	2.4	22
1032	Interactive effects of high temperature and drought stress during stem elongation, anthesis and early grain filling on the yield formation and photosynthesis of winter wheat. <i>Field Crops Research</i> , 2018, 221, 182-195.	2.3	98
1033	Effects of 1-Methylcyclopropene on Rice Growth Characteristics and Superior and Inferior Spikelet Development Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1368-1384.	2.8	26
1034	Photosynthetic capacity, ion homeostasis and reactive oxygen metabolism were involved in exogenous salicylic acid increasing cucumber seedlings tolerance to alkaline stress. <i>Scientia Horticulturae</i> , 2018, 235, 413-423.	1.7	42
1035	Arbuscular mycorrhizal fungi regulate the oxidative system, hormones and ionic equilibrium to trigger salt stress tolerance in <i>Cucumis sativus</i> L.. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 1102-1114.	1.8	201
1036	Comparative characterization of aluminum responsive transcriptome in <i>Arabidopsis</i> roots: comparison with other rhizotoxic ions at different stress intensities. <i>Soil Science and Plant Nutrition</i> , 2018, 64, 469-481.	0.8	6

#	ARTICLE	IF	CITATIONS
1037	To defend or to grow: lessons from Arabidopsis C24. <i>Journal of Experimental Botany</i> , 2018, 69, 2809-2821.	2.4	26
1038	Metabolomic analyses to evaluate the effect of drought stress on selected African Eggplant accessions. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 205-216.	1.7	36
1039	Influence of foliar application of polyamines on growth, gas-exchange characteristics, and chlorophyll fluorescence in Bakraii citrus under saline conditions. <i>Photosynthetica</i> , 2018, 56, 731-742.	0.9	46
1040	Improvement of drought tolerance by overexpressing <i>MdATG18a</i> is mediated by modified antioxidant system and activated autophagy in transgenic apple. <i>Plant Biotechnology Journal</i> , 2018, 16, 545-557.	4.1	176
1041	Leaf photosynthesis, chlorophyll fluorescence and ion content of barley (<i>Hordeum vulgare</i>) in response to salinity. <i>Journal of Plant Nutrition</i> , 2018, 41, 497-508.	0.9	36
1042	NO, hydrogen sulfide does not come first during tomato response to high salinity. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 76, 164-173.	1.2	64
1043	A molecular approach to drought-induced reduction in leaf CO ₂ exchange in drought-resistant <i>Quercus ilex</i> . <i>Physiologia Plantarum</i> , 2018, 162, 394-408.	2.6	18
1044	Growth, physiological status, and yield of salt-stressed wheat (<i>Triticum aestivum</i> L.) plants affected by biofertilizer and cycocel applications. <i>Arid Land Research and Management</i> , 2018, 32, 71-90.	0.6	19
1045	How can salicylic acid and jasmonic acid mitigate salt toxicity in soybean plants?. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 1010-1016.	2.9	158
1046	Overexpression of plastidic maize NADP-malate dehydrogenase (<i>ZmNADP-MDH</i>) in <i>Arabidopsis thaliana</i> confers tolerance to salt stress. <i>Protoplasma</i> , 2018, 255, 547-563.	1.0	48
1047	Divergent strategies displayed by potato (<i>Solanum tuberosum</i> L.) cultivars to cope with soil drought. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 13-30.	1.7	36
1048	Maize leaf functional responses to drought episode and rewatering. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 57-70.	1.9	76
1049	Phenological application of selenium differentially improves growth, oxidative defense and ion homeostasis in maize under salinity stress. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 268-280.	2.8	94
1050	Plant Biosynthetic Engineering Through Transcription Regulation: An Insight into Molecular Mechanisms During Environmental Stress. <i>Energy, Environment, and Sustainability</i> , 2018, , 51-72.	0.6	10
1051	Changes in activities of both photosystems and the regulatory effect of cyclic electron flow in field-grown cotton (<i>Gossypium hirsutum</i> L) under water deficit. <i>Journal of Plant Physiology</i> , 2018, 220, 74-82.	1.6	21
1052	Biometric, physiological and anatomical responses of <i>Passiflora</i> spp. to controlled water deficit. <i>Scientia Horticulturae</i> , 2018, 229, 77-90.	1.7	43
1053	Can chlorophyll-a fluorescence parameters be used as bio-indicators to distinguish between drought and salinity stress in <i>Tilia cordata</i> Mill?. <i>Environmental and Experimental Botany</i> , 2018, 152, 149-157.	2.0	150
1054	Photosynthetic Responses of a Wheat Mutant (<i>Rht-B1c</i>) with Altered DELLA Proteins to Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 645-656.	2.8	25

#	ARTICLE	IF	CITATIONS
1055	Radiation use efficiency and biomass partitioning to storage roots in fodder beet crops. <i>European Journal of Agronomy</i> , 2018, 92, 63-71.	1.9	8
1056	Salt stress effects on the photosynthetic electron transport chain in two chickpea lines differing in their salt stress tolerance. <i>Photosynthesis Research</i> , 2018, 136, 291-301.	1.6	52
1057	Response of four woody species to salinity and water deficit in initial growth phase. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2018, 22, 753-757.	0.4	8
1058	Low salt stress affects physiological parameters and sugarcane plant growth. <i>Australian Journal of Crop Science</i> , 2018, 12, 1272-1279.	0.1	11
1059	Physiological behavior of melon cultivars submitted to soil salinity1. <i>Pesquisa Agropecuaria Tropical</i> , 2018, 48, 271-279.	1.0	4
1060	Analyses of asiatic hybrids resistance at introduction in northern forest steppe of west Siberia. <i>BIO Web of Conferences</i> , 2018, 11, 00048.	0.1	0
1061	The Common Bean (<i>Phaseolus vulgaris</i>) Basic Leucine Zipper (bZIP) Transcription Factor Family: Response to Salinity Stress in Fertilized and Symbiotic N ₂ -Fixing Plants. <i>Agriculture (Switzerland)</i> , 2018, 8, 160.	1.4	5
1062	Water potential and gas exchanges in sugarcane irrigated with saline waters. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2018, 22, 679-682.	0.4	5
1063	Physiological responses of photosynthesis in black pepper plants under different shade levels promoted by intercropping with rubber trees. <i>Ciencia E Agrotecnologia</i> , 2018, 42, 513-526.	1.5	5
1064	Interference of weeds in vegetable crop cultivation, in the changing climate of Southern Europe with emphasis on drought and elevated temperatures: a review. <i>Journal of Agricultural Science</i> , 2018, 156, 1175-1185.	0.6	18
1065	Physiological and structural adjustments of two ecotypes of <i>Platanus orientalis</i> L. from different habitats in response to drought and re-watering. , 2018, 6, coy073.		11
1066	<i>Effects of photosynthesis and grain yield on different irrigation depths decided by root distribution for winter wheat</i>. , 2018, , .		0
1067	TaMIR1119, a miRNA family member of wheat (<i>Triticum aestivum</i>), is essential in the regulation of plant drought tolerance. <i>Journal of Integrative Agriculture</i> , 2018, 17, 2369-2378.	1.7	37
1068	The effect of ozone and drought on the photosynthetic performance of canola. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1137-1144.	1.7	3
1069	Exogenous GSH protects tomatoes against salt stress by modulating photosystem II efficiency, absorbed light allocation and H ₂ O ₂ -scavenging system in chloroplasts. <i>Journal of Integrative Agriculture</i> , 2018, 17, 2257-2272.	1.7	48
1070	Anatomical adaptations to different soil moisture contents in palisade grass and smooth pigweed. <i>Revista Ceres</i> , 2018, 65, 306-313.	0.1	4
1071	Ecophysiological Responses of <i>Calcicole Cyclobalanopsis glauca</i> (Thunb.) Oerst. to Drought Stress and Calcium Supply. <i>Forests</i> , 2018, 9, 667.	0.9	14
1072	Halophytism: What Have We Learnt From <i>Arabidopsis thaliana</i> Relative Model Systems?. <i>Plant Physiology</i> , 2018, 178, 972-988.	2.3	44

#	ARTICLE	IF	CITATIONS
1074	Phenotypic plasticity of polyploid plant species promotes transgressive behaviour in their hybrids. <i>AoB PLANTS</i> , 2018, 10, ply055.	1.2	20
1075	Coping with drought: stress and adaptive mechanisms, and management through cultural and molecular alternatives in cotton as vital constituents for plant stress resilience and fitness. <i>Biological Research</i> , 2018, 51, 47.	1.5	126
1076	Cryptochrome-Related Abiotic Stress Responses in Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 1897.	1.7	52
1077	Root Abscisic Acid Contributes to Defending Photoinhibition in Jerusalem Artichoke (<i>Helianthus</i>) Tj ETQq1 1 0.784314.rgBT /Overlock 10 1.8 15	1.8	15
1078	Morpho-physiological responses of tall wheatgrass populations to different levels of water stress. <i>PLoS ONE</i> , 2018, 13, e0209281.	1.1	14
1079	Does bicarbonate affect the nitrate utilization and photosynthesis of <i>Orychophragmus violaceus</i> ?. <i>Acta Geochimica</i> , 2018, 37, 875-885.	0.7	4
1080	Water deficit modifies the carbon isotopic composition of lipids, soluble sugars and leaves of <i>Copaifera langsdorffii</i> Desf. (Fabaceae). <i>Acta Botanica Brasilica</i> , 2018, 32, 80-87.	0.8	2
1081	Response of Pulses to Drought and Salinity Stress Response: A Physiological Perspective. , 2018, , 77-98.		5
1082	A Fluorescence Sensor Capable of Real-Time Herbicide Effect Monitoring in Greenhouses and the Field. <i>Sensors</i> , 2018, 18, 3771.	2.1	10
1083	Response of Tea Plants to Drought Stress. , 2018, , 63-81.		3
1084	Regulatory Gene Networks in Drought Stress Responses and Resistance in Plants. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1081, 189-214.	0.8	91
1085	Function analysis of anthocyanidin synthase from <i>Morus alba</i> L. by expression in bacteria and tobacco. <i>Electronic Journal of Biotechnology</i> , 2018, 36, 9-14.	1.2	8
1086	Differential response of <i>Brassica juncea</i> cultivars to Al; consequences for chlorophyll <i>a</i> fluorescence, antioxidants and <i>psb A</i> gene. <i>Journal of Plant Interactions</i> , 2018, 13, 496-505.	1.0	6
1087	Changes in growth and oxidative response of leaves and nodules in <i>Medicago ciliaris</i> during salt stress recovery. <i>Biologia (Poland)</i> , 2018, 73, 1043-1052.	0.8	1
1088	Multiple genomic regions influence root morphology and seedling growth in cultivated sunflower (<i>Helianthus annuus</i> L.) under well-watered and water-limited conditions. <i>PLoS ONE</i> , 2018, 13, e0204279.	1.1	24
1089	Morphophysiological responses and tolerance mechanisms of <i>Xanthium strumarium</i> to manganese stress. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 654-661.	2.9	40
1090	Integrating transcriptomic techniques and k-means clustering in metabolomics to identify markers of abiotic and biotic stress in <i>Medicago truncatula</i> . <i>Metabolomics</i> , 2018, 14, 126.	1.4	19
1091	Transcriptomics and co-expression networks reveal tissue-specific responses and regulatory hubs under mild and severe drought in papaya (<i>Carica papaya</i> L.). <i>Scientific Reports</i> , 2018, 8, 14539.	1.6	39

#	ARTICLE	IF	CITATIONS
1092	Phytohormones enhanced drought tolerance in plants: a coping strategy. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33103-33118.	2.7	274
1093	Morphological, Physiological and Nutritional Effects of Irrigation Frequency on Macaãba Palm Seedlings. <i>Journal of Agricultural Science</i> , 2018, 10, 24.	0.1	2
1094	Transcriptomic view of survival during early seedling growth of the extremophyte <i>Haloxylon ammodendron</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 132, 475-489.	2.8	21
1095	Analysis of metabolic and mineral changes in response to salt stress in durum wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10. <i>Biochemistry</i> , 2018, 133, 57-70.	2.8	43
1096	Evolution of leaf structure and drought tolerance in species of Californian <i>Ceanothus</i> . <i>American Journal of Botany</i> , 2018, 105, 1672-1687.	0.8	20
1097	Agronomic and physiological response of giant reed (<i>Arundo donax</i> L.) to soil salinity. <i>Italian Journal of Agronomy</i> , 0, , 31-39.	0.4	12
1098	Salicylic Acid-Mediated Enhancement of Photosynthesis Attributes and Antioxidant Capacity Contributes to Yield Improvement of Maize Plants Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1318-1330.	2.8	98
1099	Effects of salinity stress on growth in relation to gas exchanges parameters and water status in amaranth (<i>Amaranthus cruentus</i>). <i>International Journal of Plant Physiology and Biochemistry</i> , 2018, 10, 19-27.	1.0	14
1100	Aluminium Fluoride induced changes in chlorophyll fluorescence, antioxidants and <i>psbA</i> gene expression of <i>Brassica juncea</i> cultivars. <i>Journal of Plant Interactions</i> , 2018, 13, 472-482.	1.0	9
1101	Screening of EMS-Induced Drought-Tolerant Sugarcane Mutants Employing Physiological, Molecular and Enzymatic Approaches. <i>Agronomy</i> , 2018, 8, 226.	1.3	25
1102	<i>Origanum vulgare</i> essential oils inhibit glutamate and aspartate metabolism altering the photorespiratory pathway in <i>Arabidopsis thaliana</i> seedlings. <i>Journal of Plant Physiology</i> , 2018, 231, 297-309.	1.6	31
1103	Mesophyll conductance to CO ₂ is the most significant limitation to photosynthesis at different temperatures and water availabilities in Antarctic vascular species. <i>Environmental and Experimental Botany</i> , 2018, 156, 279-287.	2.0	23
1104	Catalytic Scavenging of Plant Reactive Oxygen Species & In Vivo by Anionic Cerium Oxide Nanoparticles. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	17
1105	Morpho-physiological characteristics by sweet potato cultivars as function of irrigation depth. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 3541-3549.	0.3	7
1106	Arbuscular mycorrhizal fungal communities and global change: an uncertain future. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	59
1107	Genome-wide transcriptome analysis of the salt stress tolerance mechanism in <i>Rosa chinensis</i> . <i>PLoS ONE</i> , 2018, 13, e0200938.	1.1	30
1108	Biochemical Alterations of Weeds in Response to Stress Caused by Herbicides and Total Plant Submersion. <i>Planta Daninha</i> , 2018, 35, .	0.5	1
1109	An Ancestral Allele of <i>Pyrroline-5-carboxylate synthase1</i> Promotes Proline Accumulation and Drought Adaptation in Cultivated Barley. <i>Plant Physiology</i> , 2018, 178, 771-782.	2.3	28

#	ARTICLE	IF	CITATIONS
1110	Alfalfa and Its Symbiosis Responses to Osmotic Stress. , 2018, , .		5
1111	Combined drought and virus infection trigger aspects of respiratory metabolism related to grapevine physiological responses. <i>Journal of Plant Physiology</i> , 2018, 231, 19-30.	1.6	7
1112	Effect of irrigation suspension on the growth, water state and production of spinach (<i>Spinacia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66	0.1	3
1113	Transcript profiling of salt tolerant tobacco mutants generated via mutation breeding. <i>Gene Expression Patterns</i> , 2018, 29, 59-64.	0.3	2
1114	Photosynthesis, stomatal responses, and water potential in three species in an inland salt marsh in Kansas, USA. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2018, 244-245, 1-7.	0.6	5
1115	Growth patterns of <i>Phragmites karka</i> under saline conditions depend on the bulk elastic modulus. <i>Crop and Pasture Science</i> , 2018, 69, 535.	0.7	13
1116	Morpho-anatomical and physiological responses to waterlogging stress in different barley (<i>Hordeum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 52	1.8	52
1117	Low Vulnerability to Xylem Embolism in Leaves and Stems of North American Oaks. <i>Plant Physiology</i> , 2018, 177, 1066-1077.	2.3	117
1118	Calcium signaling during salt stress and in the regulation of ion homeostasis. <i>Journal of Experimental Botany</i> , 2018, 69, 4215-4226.	2.4	191
1119	Exogenously applied spermidine alleviates photosynthetic inhibition under drought stress in maize (<i>Zea mays</i> L.) seedlings associated with changes in endogenous polyamines and phytohormones. <i>Plant Physiology and Biochemistry</i> , 2018, 129, 35-55.	2.8	104
1120	Infection by the fungal endophyte <i>Epichloa bromicola</i> enhances the tolerance of wild barley (<i>Hordeum brevisubulatum</i>) to salt and alkali stresses. <i>Plant and Soil</i> , 2018, 428, 353-370.	1.8	48
1121	NADP-Malate Dehydrogenase of Sweet Sorghum Improves Salt Tolerance of <i>Arabidopsis thaliana</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5992-6002.	2.4	26
1122	Photosynthetic Traits of Plants and the Biochemical Profile of Tomato Fruits Are Influenced by Grafting, Salinity Stress, and Growing Season. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5439-5450.	2.4	26
1123	Impacts of droughts and extreme-temperature events on gross primary production and ecosystem respiration: a systematic assessment across ecosystems and climate zones. <i>Biogeosciences</i> , 2018, 15, 1293-1318.	1.3	137
1124	Effects of foliar applications of nitric oxide and spermidine on chlorophyll fluorescence, photosynthesis and antioxidant enzyme activities of citrus seedlings under salinity stress. <i>Photosynthetica</i> , 2018, 56, 1313-1325.	0.9	70
1125	Impact of exogenously applied tocopherol on some key physio-biochemical and yield attributes in mungbean [<i>Vigna radiata</i> (L.) Wilczek] under limited irrigation regimes. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	20
1126	Discrimination between abiotic and biotic drought stress in tomatoes using hyperspectral imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 842-852.	4.0	78
1127	Gene expression analysis in <i>Eucalyptus globulus</i> exposed to drought stress in a controlled and a field environment indicates different strategies for short- and longer-term acclimation. <i>Tree Physiology</i> , 2018, 38, 1623-1639.	1.4	3

#	ARTICLE	IF	CITATIONS
1128	Mesophyll Conductance to CO ₂ Diffusion: Effects of Drought and Opportunities for Improvement, 2018, 403-438.		26
1129	Early responses to Fe-deficiency distinguish Sorghum bicolor genotypes with contrasting alkalinity tolerance. Environmental and Experimental Botany, 2018, 155, 165-176.	2.0	11
1130	Differential responses of accessions of native Australian Nicotiana species to water stress. Australian Journal of Botany, 2018, 66, 265.	0.3	1
1131	Title: Enhanced salt tolerance and photosynthetic performance: Implication of É-amino butyric acid application in salt-exposed lettuce (Lactuca sativa L.) plants. Plant Physiology and Biochemistry, 2018, 130, 157-172.	2.8	72
1132	Effects of extreme changes in precipitation on the physiology of C4 grasses. Oecologia, 2018, 188, 355-365.	0.9	11
1133	Modeling grapevine performance with VitiSim™, a weather-based carbon balance model: Water status and climate change scenarios. Scientia Horticulturae, 2018, 240, 561-571.	1.7	12
1134	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
1135	Climate change due to heat and drought stress can alter the physiology of Maratheftiko local Cyprian grapevine variety. Journal of Water and Climate Change, 2018, 9, 715-727.	1.2	13
1136	Effects of irrigation regime, leaf biostimulant application and nitrogen rate on gas exchange parameters of wild rocket. Acta Horticulturae, 2018, 17-24.	0.1	2
1137	Gene expression in two contrasting hybrid clones of Eucalyptus camaldulensis x Eucalyptus urophylla grown under water deficit conditions. Journal of Plant Physiology, 2018, 229, 122-131.	1.6	11
1138	Physiological responses of Carthamus tinctorius to CaCl ₂ salinity under Mg-sufficient and Mg-deficient conditions. Flora: Morphology, Distribution, Functional Ecology of Plants, 2018, 246-247, 96-101.	0.6	7
1139	Physiological, micro-morphological and metabolomic analysis of grapevine (Vitis vinifera L.) leaf of plants under water stress. Plant Physiology and Biochemistry, 2018, 130, 501-510.	2.8	58
1140	Chilling and Drought Stresses in Crop Plants: Implications, Cross Talk, and Potential Management Opportunities. Frontiers in Plant Science, 2018, 9, 393.	1.7	463
1141	The Response of Photosynthetic Functions of F1 Cutting Seedlings From Physocarpus amurensis Maxim (Diabolo™) and the Parental Seedlings to Salt Stress. Frontiers in Plant Science, 2018, 9, 714.	1.7	30
1142	Combined Drought and Heat Activates Protective Responses in Eucalyptus globulus That Are Not Activated When Subjected to Drought or Heat Stress Alone. Frontiers in Plant Science, 2018, 9, 819.	1.7	85
1143	Accumulation of ammonium and reactive oxygen mediated drought-induced rice growth inhibition by disturbed nitrogen metabolism and photosynthesis. Plant and Soil, 2018, 431, 107-117.	1.8	10
1144	Seasonal variation in photosynthesis performance of cassava at two different growth stages under irrigated and rain-fed conditions in a tropical savanna climate. Photosynthetica, 2018, 56, 1398-1413.	0.9	24
1145	Morpho-physiological and antioxidant response to NaCl-induced stress in in vitro shoots of pomegranate (Punica granatum L.). Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	8

#	ARTICLE	IF	CITATIONS
1146	Characterization of backcross introgression lines derived from <i>Oryza nivara</i> accessions for photosynthesis and yield. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 1147-1164.	1.4	6
1147	Exploring the potential for top-dressing bread wheat with ammonium chloride to minimize grain yield losses under drought. <i>Soil Science and Plant Nutrition</i> , 2018, 64, 642-652.	0.8	5
1148	A Tool for the Evaluation of Irrigation Water Quality in the Arid and Semi-Arid Regions. <i>Agronomy</i> , 2018, 8, 23.	1.3	46
1149	A Novel G-Protein-Coupled Receptors Gene from Upland Cotton Enhances Salt Stress Tolerance in Transgenic Arabidopsis. <i>Genes</i> , 2018, 9, 209.	1.0	50
1150	Transcriptomic Profiling and Physiological Analysis of <i>Haloxylon ammodendron</i> in Response to Osmotic Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 84.	1.8	20
1151	Lignins: Biosynthesis and Biological Functions in Plants. <i>International Journal of Molecular Sciences</i> , 2018, 19, 335.	1.8	757
1152	Chloroplast Protein Turnover: The Influence of Extrplastidic Processes, Including Autophagy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 828.	1.8	51
1153	Tolerance to Stress Combination in Tomato Plants: New Insights in the Protective Role of Melatonin. <i>Molecules</i> , 2018, 23, 535.	1.7	246
1154	Oligo-Alginate with Low Molecular Mass Improves Growth and Physiological Activity of <i>Eucomis autumnalis</i> under Salinity Stress. <i>Molecules</i> , 2018, 23, 812.	1.7	53
1155	Evaluation of Manganese Chloride's Effect on Biosynthetic Properties of In Vitro Cultures of <i>Eschscholzia californica</i> Cham.. <i>Molecules</i> , 2018, 23, 971.	1.7	4
1156	Changes in Photosynthetic Pigments, Total Phenolic Content, and Antioxidant Activity of <i>Salvia coccinea</i> Bucâ€™hoz Ex Etl. Induced by Exogenous Salicylic Acid and Soil Salinity. <i>Molecules</i> , 2018, 23, 1296.	1.7	41
1157	The Responses of Plant Leaf CO ₂ /H ₂ O Exchange and Water Use Efficiency to Drought: A Meta-Analysis. <i>Sustainability</i> , 2018, 10, 551.	1.6	40
1158	The positive effects of exogenous 5-aminolevulinic acid on the chlorophyll biosynthesis, photosystem and calvin cycle of Kentucky bluegrass seedlings in response to osmotic stress. <i>Environmental and Experimental Botany</i> , 2018, 155, 260-271.	2.0	38
1159	Closure of Stomata in Water-Stressed Pine Needles Results from the Decreased Water Potential of the Mesophyll Apoplast in the Substomatal Cavity. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 518-523.	0.5	2
1160	Epibrassinolide Application Regulates Some Key Physio-biochemical Attributes As Well As Oxidative Defense System in Maize Plants Grown Under Saline Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1244-1257.	2.8	22
1161	Environmental Factors Controlling Carbon Assimilation, Growth, and Yield of Papaya (<i>Carica papaya</i>) Tj ETQq1 1 0.784314 rgBT /Over to		
1162	Photosynthetic gas-exchange and PSII photochemical acclimation to drought in a native and non-native xerophytic species (<i>Artemisia ordosica</i> and <i>Salix psammophila</i>). <i>Ecological Indicators</i> , 2018, 94, 130-138.	2.6	15
1163	Inoculation of <i>Brevibacterium linens</i> RS16 in <i>Oryza sativa</i> genotypes enhanced salinity resistance: Impacts on photosynthetic traits and foliar volatile emissions. <i>Science of the Total Environment</i> , 2018, 645, 721-732.	3.9	36

#	ARTICLE	IF	CITATIONS
1164	Protection of photosynthesis in desiccation-tolerant resurrection plants. <i>Journal of Plant Physiology</i> , 2018, 227, 84-92.	1.6	59
1165	Resistance of native oak to recurrent drought conditions simulating predicted climatic changes in the Mediterranean region. <i>Plant, Cell and Environment</i> , 2018, 41, 2299-2312.	2.8	20
1166	Factors determining stomatal and non-stomatal (residual) transpiration and their contribution towards salinity tolerance in contrasting barley genotypes. <i>Environmental and Experimental Botany</i> , 2018, 153, 10-20.	2.0	34
1167	Drought induced changes of leaf-to-root relationships in two tomato genotypes. <i>Plant Physiology and Biochemistry</i> , 2018, 128, 24-31.	2.8	55
1168	Salinity effect on germination, seedling growth and cotyledon membrane complexes of a Portuguese salt marsh wild beet ecotype. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 113-127.	1.1	14
1169	Effectiveness of bacterial inoculation in alleviation of salinity on water status, mineral content, gas exchange and photosynthetic parameters of <i>Viburnum tinus</i> L. plants. <i>Scientia Horticulturae</i> , 2018, 237, 303-310.	1.7	5
1170	Influence of fungal endophytes on plant physiology is more pronounced under stress than well-watered conditions: a meta-analysis. <i>Planta</i> , 2018, 248, 1403-1416.	1.6	53
1171	The effects of salt and rainfall pattern on morphological and photosynthetic characteristics of <i>Phragmites australis</i> (Poaceae). <i>Journal of the Torrey Botanical Society</i> , 2018, 145, 212-224.	0.1	9
1172	Sugar Beet Tolerance to Drought: Physiological and Molecular Aspects. , 2018, , .		3
1173	Spatial response of <i>Medicago truncatula</i> plants to drought and spider mite attack. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 658-662.	2.8	6
1174	Effects of drought stress on photosynthesis and photosynthetic electron transport chain in young apple tree leaves. <i>Biology Open</i> , 2018, 7, .	0.6	173
1175	Physiological, biochemical and molecular responses to water stress and rehydration in Mediterranean adapted tomato landraces. <i>Plant Biology</i> , 2018, 20, 995-1004.	1.8	21
1176	Salicylic acid modulates olive tree physiological and growth responses to drought and rewatering events in a dose dependent manner. <i>Journal of Plant Physiology</i> , 2018, 230, 21-32.	1.6	38
1177	Proteomics unravel the regulating role of salicylic acid in soybean under yield limiting drought stress. <i>Plant Physiology and Biochemistry</i> , 2018, 130, 529-541.	2.8	35
1178	The Potential of Tree and Shrub Legumes in Agroforestry Systems. , 0, , .		6
1179	Aspects of Co-tolerance Towards Salt and Heavy Metal Stresses in Halophytic Plant Species. , 2018, , 477-498.		0
1180	Global transcriptome analysis of grapevine (<i>Vitis vinifera</i> L.) leaves under salt stress reveals differential response at early and late stages of stress in table grape cv. Thompson Seedless. <i>Plant Physiology and Biochemistry</i> , 2018, 129, 168-179.	2.8	36
1181	Alleviation of Drought Stress in Turfgrass by the Combined Application of Nano-compost and Microbes from Compost. <i>Russian Journal of Plant Physiology</i> , 2018, 65, 419-426.	0.5	27

#	ARTICLE	IF	CITATIONS
1182	Over-expression of a plasma membrane H ⁺ -ATPase SpAHA1 conferred salt tolerance to transgenic Arabidopsis. <i>Protoplasma</i> , 2018, 255, 1827-1837.	1.0	22
1183	Effects of individual and combined effects of salinity and drought on physiological, nutritional and biochemical properties of cabbage (<i>Brassica oleracea</i> var. <i>capitata</i>). <i>Scientia Horticulturae</i> , 2018, 240, 196-204.	1.7	145
1184	Photosynthesis and Abiotic Stress in Plants. , 2018, , 27-46.		47
1185	Physiological adjustments of an invasive tree species to extreme hydrological events in a tropical seasonal wetland. <i>Trees - Structure and Function</i> , 2018, 32, 1365-1375.	0.9	7
1186	Metabolomics-Guided Elucidation of Abiotic Stress Tolerance Mechanisms in Plants. , 2018, , 89-131.		15
1187	Fruit Response to Water-Scarcity Scenarios. <i>Water Relations and Biochemical Changes</i> . , 2018, , 349-375.		5
1188	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
1189	The sweet side of global change—dynamic responses of non-structural carbohydrates to drought, elevated CO ₂ and nitrogen fertilization in tree species. <i>Tree Physiology</i> , 2018, 38, 1706-1723.	1.4	51
1190	Classification and Authentication of Plants by Chemometric Analysis of Spectral Data. <i>Comprehensive Analytical Chemistry</i> , 2018, 80, 105-125.	0.7	2
1191	Drought response of <i>Mucuna pruriens</i> (L.) DC. inoculated with ACC deaminase and IAA producing rhizobacteria. <i>PLoS ONE</i> , 2018, 13, e0191218.	1.1	98
1192	Rice in Saline Soils: Physiology, Biochemistry, Genetics, and Management. <i>Advances in Agronomy</i> , 2018, 148, 231-287.	2.4	100
1193	A CIPK protein kinase targets sucrose transporter MdSUT2.2 at Ser ²⁵⁴ for phosphorylation to enhance salt tolerance. <i>Plant, Cell and Environment</i> , 2019, 42, 918-930.	2.8	68
1194	Antecedent soil water content and vapor pressure deficit interactively control water potential in <i>Larrea tridentata</i> . <i>New Phytologist</i> , 2019, 221, 218-232.	3.5	26
1195	Comparative physiological analysis in the tolerance to salinity and drought individual and combination in two cotton genotypes with contrasting salt tolerance. <i>Physiologia Plantarum</i> , 2019, 165, 155-168.	2.6	46
1196	Nitric oxide mitigates salt stress effects of pepper seedlings by altering nutrient uptake, enzyme activity and osmolyte accumulation. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 1149-1161.	1.4	74
1197	Phenotyping Through Infrared Thermography in Stress Environment. <i>Tasks for Vegetation Science</i> , 2019, , 239-251.	0.6	2
1198	Metabolomics reveals the drought-tolerance mechanism in wild soybean (<i>Glycine soja</i>). <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	19
1199	Gradual Exposure to Salinity Improves Tolerance to Salt Stress in Rapeseed (<i>Brassica napus</i> L.). <i>Water (Switzerland)</i> , 2019, 11, 1667.	1.2	21

#	ARTICLE	IF	CITATIONS
1200	Análise fisiológica em mudas de cafeeiro com cercosporiose submetida a diferentes técnicas de irrigação. <i>Summa Phytopathologica</i> , 2019, 45, 83-88.	0.3	4
1202	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
1203	The Thioredoxin-Regulated α -Amylase 3 of <i>Arabidopsis thaliana</i> Is a Target of S-Glutathionylation. <i>Frontiers in Plant Science</i> , 2019, 10, 993.	1.7	17
1204	Understanding the Impacts of Crude Oil and its Induced Abiotic Stresses on Agrifood Production: A Review. <i>Horticulturae</i> , 2019, 5, 47.	1.2	39
1205	Influence of soil moisture regimes on growth, photosynthetic capacity, leaf biochemistry and reproductive capabilities of the invasive agronomic weed; <i>Lactuca serriola</i> . <i>PLoS ONE</i> , 2019, 14, e0218191.	1.1	25
1206	Differences in isoprenoid-mediated energy dissipation pathways between coastal and interior Douglas-fir seedlings in response to drought. <i>Tree Physiology</i> , 2019, 39, 1750-1766.	1.4	5
1207	Radiation Use Efficiency of Forage Resources: A Meta-Analysis. <i>Agronomy Journal</i> , 2019, 111, 1770-1778.	0.9	11
1209	Nitric oxide and phytohormone interactions in the response of <i>Lactuca sativa</i> to salinity stress. <i>Planta</i> , 2019, 250, 1475-1489.	1.6	51
1210	Salinity: An Overview. <i>Soil Biology</i> , 2019, , 3-18.	0.6	24
1211	Effects of Water Stress on Gas Exchange, Water Relations and Leaf Structure in Two Ornamental Shrubs in the Mediterranean Area. <i>Agronomy</i> , 2019, 9, 381.	1.3	22
1212	Comparative Genomic Analysis of Rice with Contrasting Photosynthesis and Grain Production under Salt Stress. <i>Genes</i> , 2019, 10, 562.	1.0	16
1213	Drought Tolerance of Soybean (<i>Glycine max</i> L. Merr.) by Improved Photosynthetic Characteristics and an Efficient Antioxidant Enzyme Activities Under a Split-Root System. <i>Frontiers in Physiology</i> , 2019, 10, 786.	1.3	99
1214	Sensitive to Proton Rhizotoxicity1 Regulates Salt and Drought Tolerance of <i>Arabidopsis thaliana</i> through Transcriptional Regulation of CIPK23. <i>Plant and Cell Physiology</i> , 2019, 60, 2113-2126.	1.5	35
1215	A comparative screening of abiotic stress tolerance in early flowering rice mutants. <i>Journal of Biotechnology</i> , 2019, 302, 112-122.	1.9	21
1216	Compound repair effect of carbon dots and Fe ²⁺ on iron deficiency in <i>Cucumis melon</i> L.. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 137-142.	2.8	9
1217	GmWRKY54 improves drought tolerance through activating genes in abscisic acid and Ca ²⁺ signaling pathways in transgenic soybean. <i>Plant Journal</i> , 2019, 100, 384-398.	2.8	87
1218	Stimulation of Growth and Alteration of Hormones by Elevated Carbon Dioxide for Creeping Bentgrass Exposed to Drought. <i>Crop Science</i> , 2019, 59, 1672-1680.	0.8	11
1219	Stomatal anatomy coordinates leaf size with Rubisco kinetics in the Balearic <i>Limonium</i> . <i>AoB PLANTS</i> , 0, , .	1.2	11

#	ARTICLE	IF	CITATIONS
1220	Tackling Salinity in Sustainable Agriculture—What Developing Countries May Learn from Approaches of the Developed World. <i>Sustainability</i> , 2019, 11, 4558.	1.6	46
1227	A leucine-rich repeat-receptor-like kinase gene SbER2 ¹ from sorghum (<i>Sorghum bicolor</i> L.) confers drought tolerance in maize. <i>BMC Genomics</i> , 2019, 20, 737.	1.2	27
1228	Exogenous application of $\hat{1}^2$ -sitosterol mediated growth and yield improvement in water-stressed wheat (<i>Triticum aestivum</i>) involves up-regulated antioxidant system. <i>Journal of Plant Research</i> , 2019, 132, 881-901.	1.2	46
1229	Effects of soil rewatering on mesophyll and stomatal conductance and the associated mechanisms involving leaf anatomy and some physiological activities in Manchurian ash and Mongolian oak in the Changbai Mountains. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 22-34.	2.8	13
1232	Dietary quality among children from 6 months to 4 years, NHANES 2011–2016. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 61-69.	2.2	22
1234	WUSCHEL-related homeobox gene PagWOX11/12a responds to drought stress by enhancing root elongation and biomass growth in poplar. <i>Journal of Experimental Botany</i> , 2020, 71, 1503-1513.	2.4	33
1235	Effect of salinity stress on photosynthesis and related physiological responses in carnation (<i>Dianthus caryophyllus</i>). <i>Horticulture Environment and Biotechnology</i> , 2019, 60, 831-839.	0.7	35
1236	Identification of plant hormones and candidate hub genes regulating flag leaf senescence in wheat response to water deficit stress at the grain-filling stage. <i>Plant Direct</i> , 2019, 3, e00152.	0.8	25
1237	Osmoprotectant-Mediated Abiotic Stress Tolerance in Plants. , 2019, , .		28
1238	Transcriptome analysis reveals a positive effect of brassinosteroids on the photosynthetic capacity of wuca under low temperature. <i>BMC Genomics</i> , 2019, 20, 810.	1.2	29
1239	Isocitrate lyase plays important roles in plant salt tolerance. <i>BMC Plant Biology</i> , 2019, 19, 472.	1.6	33
1240	Calcium-Enriched Animal Manure Alleviates the Adverse Effects of Salt Stress on Growth, Physiology and Nutrients Homeostasis of <i>Zea mays</i> L. <i>Plants</i> , 2019, 8, 480.	1.6	41
1242	CAM plasticity in epiphytic tropical orchid species responding to environmental stress. , 2019, 60, 7.		15
1243	Evaluating rice for salinity using pot-culture provides a systematic tolerance assessment at the seedling stage. <i>Rice</i> , 2019, 12, 57.	1.7	64
1244	Chlorophyll a fluorescence analysis reveals divergent photosystem II responses to saline, alkaline and saline-alkaline stresses in the two <i>Lotus japonicus</i> model ecotypes MG20 and Gifu-129. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	11
1245	Environmental stress, future climate, and germination of <i>Myracrodruon urundeuva</i> seeds 1. <i>Journal of Seed Science</i> , 2019, 41, 32-43.	0.7	21
1246	Effect of Trinexapac-Ethyl, at Two Application Timings, on the Initial Development of <i>Eucalyptus</i> under Water Deficit. <i>Planta Daninha</i> , 2019, 37, .	0.5	0
1247	Contribution of CaBPM4, a BTB Domain-Containing Gene, to the Response of Pepper to <i>Phytophthora capsici</i> Infection and Abiotic Stresses. <i>Agronomy</i> , 2019, 9, 417.	1.3	12

#	ARTICLE	IF	CITATIONS
1248	Effect of Water Deficit Stress on Seedling Biomass and Physio-Chemical Characteristics in Different Species of Wheat Possessing the D Genome. <i>Agronomy</i> , 2019, 9, 522.	1.3	48
1249	Comparative analysis of proso millet (<i>Panicum miliaceum</i> L.) leaf transcriptomes for insight into drought tolerance mechanisms. <i>BMC Plant Biology</i> , 2019, 19, 397.	1.6	33
1250	Combined linkage and association mapping of putative QTLs controlling black tea quality and drought tolerance traits. <i>Euphytica</i> , 2019, 215, 1.	0.6	5
1251	Polyethylene Glycol Mediated Osmotic Stress Impacts on Growth and Biochemical Aspects of Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Crop Science and Biotechnology</i> , 2019, 22, 213-223.	0.7	14
1252	Antioxidant Response to Salinity in Salt-Tolerant and Salt-Susceptible Cultivars of Date Palm. <i>Agriculture (Switzerland)</i> , 2019, 9, 8.	1.4	64
1253	Morphological, physiological and biochemical aspects of salt tolerance of halophyte <i>Petrosimonia triandra</i> grown in natural habitat. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 1335-1347.	1.4	6
1254	Antioxidant, physiological and biochemical responses of drought susceptible and drought tolerant mustard (<i>Brassica juncea</i> L) genotypes to rhizobacterial inoculation under water deficit stress. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 19-28.	2.8	37
1255	A Novel Stay-Green Mutant of Rice with Delayed Leaf Senescence and Better Harvest Index Confers Drought Tolerance. <i>Plants</i> , 2019, 8, 375.	1.6	22
1256	Impact of high or low levels of phosphorus and high sodium in soils on productivity and stress tolerance of <i>Arundo donax</i> plants. <i>Plant Science</i> , 2019, 289, 110260.	1.7	13
1257	Comparative analysis of two sister <i>Erythrophleum</i> species (Leguminosae) reveal contrasting transcriptome-wide responses to early drought stress. <i>Gene</i> , 2019, 694, 50-62.	1.0	2
1258	Genome-wide association study for salinity tolerance at the flowering stage in a panel of rice accessions from Thailand. <i>BMC Genomics</i> , 2019, 20, 76.	1.2	59
1259	Physiological Adaptive Strategies of Oil Seed Crop <i>Ricinus communis</i> Early Seedlings (Cotyledon vs.) Tj ETQq1 1 0.784314 rgBT /Over Fluorescence. <i>Frontiers in Plant Science</i> , 2018, 9, 1939.	1.7	21
1260	Morpho-physiological and homeostatic adaptive responses triggered by omeprazole enhance lettuce tolerance to salt stress. <i>Scientia Horticulturae</i> , 2019, 249, 22-30.	1.7	23
1261	Dynamic changes in ABA content in water-stressed <i>Populus nigra</i> : effects on carbon fixation and soluble carbohydrates. <i>Annals of Botany</i> , 2019, 124, 627-643.	1.4	31
1262	Effects of Two Doses of Organic Extract-Based Biostimulant on Greenhouse Lettuce Grown Under Increasing NaCl Concentrations. <i>Frontiers in Plant Science</i> , 2018, 9, 1870.	1.7	45
1263	Gas exchanges and photochemical efficiency of hydroponic bell pepper under salinity and plant density. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2019, 23, 3-8.	0.4	6
1264	Physiological and transcriptomic analysis highlight key metabolic pathways in relation to drought tolerance in <i>Rhododendron delavayi</i> . <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 991-1008.	1.4	18
1265	Ecophysiological adaptations and anti-nutritive status of sustainable cattle feed <i>Haloxylon stocksii</i> under saline conditions. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 257, 151425.	0.6	19

#	ARTICLE	IF	CITATIONS
1266	The apoplastic antioxidant system and altered cell wall dynamics influence mesophyll conductance and the rate of photosynthesis. <i>Plant Journal</i> , 2019, 99, 1031-1046.	2.8	60
1267	Ivermectin biotransformation and impact on transcriptome in <i>Arabidopsis thaliana</i> . <i>Chemosphere</i> , 2019, 234, 528-535.	4.2	14
1268	Response of Photosynthesis in Maize to Drought and Re-Watering. <i>Russian Journal of Plant Physiology</i> , 2019, 66, 424-432.	0.5	10
1269	Distinct leaf transcriptomic response of water deficient <i>Eucalyptus grandis</i> submitted to potassium and sodium fertilization. <i>PLoS ONE</i> , 2019, 14, e0218528.	1.1	13
1270	Experimental warming amplified opposite impacts of drought vs. wet extremes on ecosystem carbon cycle in a tallgrass prairie. <i>Agricultural and Forest Meteorology</i> , 2019, 276-277, 107635.	1.9	7
1271	Ascophyllum nodosum-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
1272	Constrained tree growth and gas exchange of seawater-exposed forests in the Pacific Northwest, USA. <i>Journal of Ecology</i> , 2019, 107, 2541-2552.	1.9	21
1273	The physiological and biochemical photosynthetic properties of <i>Lycium ruthenicum</i> Murr in response to salinity and drought. <i>Scientia Horticulturae</i> , 2019, 256, 108530.	1.7	21
1274	BR deficiency causes increased sensitivity to drought and yield penalty in cotton. <i>BMC Plant Biology</i> , 2019, 19, 220.	1.6	16
1275	Application of water-saving treatments reveals different adaptation strategies in three Iranian melon genotypes. <i>Scientia Horticulturae</i> , 2019, 256, 108518.	1.7	8
1276	Research on the adaptive mechanism of photosynthetic apparatus under salt stress: New directions to increase crop yield in saline soils. <i>Annals of Applied Biology</i> , 2019, 175, 1-17.	1.3	41
1277	Protein Changes in Response to Lead Stress of Lead-Tolerant and Lead-Sensitive Industrial Hemp Using SWATH Technology. <i>Genes</i> , 2019, 10, 396.	1.0	17
1278	Leaf size as a key determinant of contrasting growth patterns in closely related <i>Limonium</i> (Plumbaginaceae) species. <i>Journal of Plant Physiology</i> , 2019, 240, 152984.	1.6	6
1279	Gene Expression analysis associated with salt stress in a reciprocally crossed rice population. <i>Scientific Reports</i> , 2019, 9, 8249.	1.6	66
1280	Effects of drought-re-watering-drought on the photosynthesis physiology and secondary metabolite production of <i>Bupleurum chinense</i> DC.. <i>Plant Cell Reports</i> , 2019, 38, 1181-1197.	2.8	37
1281	Assessing drought tolerance in field-grown sunflower hybrids by chlorophyll fluorescence kinetics. <i>Revista Brasileira De Botanica</i> , 2019, 42, 249-260.	0.5	24
1282	Drought in Portugal: Current regime, comparison of indices and impacts on extreme wildfires. <i>Science of the Total Environment</i> , 2019, 685, 150-173.	3.9	56
1283	Role of Silicon in Mediating Salt Tolerance in Plants: A Review. <i>Plants</i> , 2019, 8, 147.	1.6	131

#	ARTICLE	IF	CITATIONS
1284	Identification of Salt and Drought Biochemical Stress Markers in Several <i>Silene vulgaris</i> Populations. <i>Sustainability</i> , 2019, 11, 800.	1.6	19
1285	Silicon nutrition improves growth of salt-stressed wheat by modulating flows and partitioning of Na ⁺ , Cl ⁻ and mineral ions. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 291-299.	2.8	46
1286	Biochemical, Physiological and Anatomical Mechanisms of Adaptation of <i>Callistemon citrinus</i> and <i>Viburnum lucidum</i> to NaCl and CaCl ₂ Salinization. <i>Frontiers in Plant Science</i> , 2019, 10, 742.	1.7	28
1287	Drought stress modulates secondary metabolites in <i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC) Alef, var. <i>sabellica</i> L.. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5533-5540.	1.7	30
1288	Photochemistry and hydric responses of congeneric <i>Croton</i> species at restoration sites under dry season: implications for species selection. <i>Theoretical and Experimental Plant Physiology</i> , 2019, 31, 329-339.	1.1	2
1289	Effects of simulated N deposition on photosynthesis and productivity of key plants from different functional groups of alpine meadow on Qinghai-Tibetan plateau. <i>Environmental Pollution</i> , 2019, 251, 731-737.	3.7	23
1290	MdMYB46 could enhance salt and osmotic stress tolerance in apple by directly activating stress-responsive signals. <i>Plant Biotechnology Journal</i> , 2019, 17, 2341-2355.	4.1	127
1291	Nitric oxide and abscisic acid protects against PEG-induced drought stress differentially in <i>Brassica</i> genotypes by combining the role of stress modulators, markers and antioxidants. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 89, 81-92.	1.2	44
1292	Differential Dynamic Changes of Reduced Trait Model for Analyzing the Plastic Response to Drought Phases: A Case Study in Spring Wheat. <i>Frontiers in Plant Science</i> , 2019, 10, 504.	1.7	20
1293	Proteomic and Physiological Analyses of dl-Cyclopentane-1,2,3-triol-Treated Barley Under Drought Stress. <i>Plant Molecular Biology Reporter</i> , 2019, 37, 237-251.	1.0	3
1294	Source-Sink Regulation in Crops under Water Deficit. <i>Trends in Plant Science</i> , 2019, 24, 652-663.	4.3	102
1295	Optimization of photosynthesis and stomatal conductance in the date palm <i>Phoenix dactylifera</i> during acclimation to heat and drought. <i>New Phytologist</i> , 2019, 223, 1973-1988.	3.5	18
1296	Comparative analysis for understanding salinity tolerance mechanism in Indian Mustard (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	7
1298	Physiological and agronomic approaches for improving water-use efficiency in crop plants. <i>Agricultural Water Management</i> , 2019, 219, 95-108.	2.4	83
1299	Molecular Mechanisms of Osmotic Stress Recovery in Extremophile Plants: What Can We Learn from Proteomics?. , 2019, , 157-170.		1
1300	Diversity in Accessions of <i>Panicum miliaceum</i> L. Based on Agro-Morphological, Antioxidative, and Genetic Traits. <i>Molecules</i> , 2019, 24, 1012.	1.7	7
1301	Salinity-induced modifications on growth, physiology and 20-hydroxyecdysone levels in Brazilian-ginseng [<i>Pfaffia glomerata</i> (Spreng.) Pedersen]. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 43-54.	2.8	12
1302	Acute salt stress differentially modulates nitrate reductase expression in contrasting salt responsive rice cultivars. <i>Protoplasma</i> , 2019, 256, 1267-1278.	1.0	23

#	ARTICLE	IF	CITATIONS
1303	Effect of salinity stress on the physiological characteristics, phenolic compounds and antioxidant activity of <i>Thymus vulgaris</i> L. and <i>Thymus daenensis</i> Celak. <i>Industrial Crops and Products</i> , 2019, 135, 311-320.	2.5	199
1304	Aridity-controlled hydrogen isotope fractionation between soil n-alkanes and precipitation in China. <i>Organic Geochemistry</i> , 2019, 133, 53-64.	0.9	12
1305	Time and amount of supplemental irrigation at different distances from tree trunks influence on morphological characteristics and physiological responses of rainfed fig trees under drought conditions. <i>Scientia Horticulturae</i> , 2019, 253, 241-254.	1.7	4
1306	Impact of Arbuscular Mycorrhizal Fungi on Photosynthesis, Water Status, and Gas Exchange of Plants Under Salt Stress—A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2019, 10, 457.	1.7	109
1307	Co-application of ACC-deaminase producing PGPR and timber-waste biochar improves pigments formation, growth and yield of wheat under drought stress. <i>Scientific Reports</i> , 2019, 9, 5999.	1.6	153
1308	Promoting Crop Growth With Symbiotic Microbes in Agro-Ecosystems in Climate Change Era. , 2019, , 31-41.		1
1309	A Protein-Linger Strategy Keeps the Plant On-Hold After Rehydration of Drought-Stressed Beta vulgaris. <i>Frontiers in Plant Science</i> , 2019, 10, 381.	1.7	10
1310	The Effect of Exogenous Applications of Salicylic Acid on Drought Tolerance and Up-Regulation of the Drought Response Regulon of Iraqi Wheat. <i>Journal of Crop Science and Biotechnology</i> , 2019, 22, 37-45.	0.7	19
1311	miR393s regulate salt stress response pathway in <i>Arabidopsis thaliana</i> through scaffold protein RACK1A mediated ABA signaling pathways. <i>Plant Signaling and Behavior</i> , 2019, 14, 1600394.	1.2	27
1312	Melatonin increases the performance of <i>Malus hupehensis</i> after UV-B exposure. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 630-641.	2.8	55
1313	Effect on Soil Properties and Maize Growth by Alternate Irrigation with Brackish Water. <i>Transactions of the ASABE</i> , 2019, 62, 485-493.	1.1	4
1314	Performance of <i>Aeluropus lagopoides</i> (mangrove grass) ecotypes, a potential turfgrass, under high saline conditions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13410-13421.	2.7	33
1315	Physiological and transcriptional variations inducing complex adaptive mechanisms in grapevine by salt stress. <i>Environmental and Experimental Botany</i> , 2019, 162, 455-467.	2.0	42
1316	Unravelling mesosulfuron-methyl phytotoxicity and metabolism-based herbicide resistance in <i>Alopecurus aequalis</i> : Insight into regulatory mechanisms using proteomics. <i>Science of the Total Environment</i> , 2019, 670, 486-497.	3.9	27
1317	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
1318	Novel <i>Miscanthus</i> genotypes selected for different drought tolerance phenotypes show enhanced tolerance across combinations of salinity and drought treatments. <i>Annals of Botany</i> , 2019, 124, 653-674.	1.4	30
1319	Physiological, biochemical and molecular responses to drought conditions in field-grown grafted and ungrafted citrus plants. <i>Environmental and Experimental Botany</i> , 2019, 162, 406-420.	2.0	28
1320	Transcriptome analysis reveals regulatory framework for salt and osmotic tolerance in a succulent xerophyte. <i>BMC Plant Biology</i> , 2019, 19, 88.	1.6	23

#	ARTICLE	IF	CITATIONS
1321	Spatial variation in leaf nutrient traits of dominant desert riparian plant species in an arid inland river basin of China. <i>Ecology and Evolution</i> , 2019, 9, 1523-1531.	0.8	9
1322	Variabilit� intersp�cifique et r�ponses morpho-physiologiques � la salinit� des principales esp�ces m�diterran�ennes de <i>Salix</i> . <i>Canadian Journal of Forest Research</i> , 2019, 49, 606-615.	0.8	1
1323	Bacterial endophytes of mangrove propagules elicit early establishment of the natural host and promote growth of cereal crops under salt stress. <i>Microbiological Research</i> , 2019, 223-225, 33-43.	2.5	87
1324	The arbuscular mycorrhizal symbiosis regulates aquaporins activity and improves root cell water permeability in maize plants subjected to water stress. <i>Plant, Cell and Environment</i> , 2019, 42, 2274-2290.	2.8	69
1325	The use of reclaimed water is a viable and safe strategy for the irrigation of myrtle plants in a scenario of climate change. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 1741-1747.	1.0	2
1326	Expression of a Small Ubiquitin-Like Modifier Protease Increases Drought Tolerance in Wheat (<i>Triticum aestivum</i> L.). <i>Frontiers in Plant Science</i> , 2019, 10, 266.	1.7	29
1327	Comparison of physiological and methylational changes in resynthesized <i>Brassica napus</i> and diploid progenitors under drought stress. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	7
1328	Dynamic responses of <i>Haloxylon ammodendron</i> to various degrees of simulated drought stress. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 121-131.	2.8	43
1329	Key Maize Drought-Responsive Genes and Pathways Revealed by Comparative Transcriptome and Physiological Analyses of Contrasting Inbred Lines. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1268.	1.8	78
1330	Crop Responses to Available Soil Water. , 2019, , 131-157.		0
1331	Novel genes in response to varying water deficit in oil crop <i>Camelina sativa</i> . <i>Euphytica</i> , 2019, 215, 1.	0.6	3
1332	Water Deficit Stress Effects and Responses in Maize. , 2019, , 129-151.		13
1333	Oxidative Stress and Antioxidant Defense in Plants Under Drought Conditions. , 2019, , 207-219.		37
1334	Abscisic acid-generating bacteria can reduce Cd concentration in pakchoi grown in Cd-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 177, 100-107.	2.9	46
1335	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
1336	Co-occurrence of Mild Salinity and Drought Synergistically Enhances Biomass and Grain Retardation in Wheat. <i>Frontiers in Plant Science</i> , 2019, 10, 501.	1.7	35
1337	Signaling Molecules in Ecophysiological Response Mechanisms of Salt-Stressed Plants. , 2019, , 1-18.		3
1338	Role and Regulation of Glucose as a Signal Molecule to Salt Stress. , 2019, , 193-205.		3

#	ARTICLE	IF	CITATIONS
1339	Selection of plant physiological parameters to detect stress effects in pot experiments using principal component analysis. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	45
1340	Species specific physiological responses of <i>Pinus densiflora</i> and <i>Larix kaempferi</i> seedlings to open-field experimental warming and precipitation manipulation. <i>Forest Science and Technology</i> , 2019, 15, 44-50.	0.3	6
1341	The Iron Deficiency Response Regulators IAA-LEUCINE RESISTANT3 and bHLH104 Possess Different Targets and Have Distinct Effects on Photosynthesis in <i>Arabidopsis</i> . <i>Journal of Plant Biology</i> , 2019, 62, 109-119.	0.9	10
1342	Inter-cultivar variability in the functional and biomass response of garlic (<i>Allium sativum</i> L.) to water availability. <i>Scientia Horticulturae</i> , 2019, 252, 243-251.	1.7	6
1343	Salinity Stress Tolerance in Plants: Physiological, Molecular, and Biotechnological Approaches. , 2019, , 101-127.		10
1344	Physiology and metabolism of grafted bell pepper in response to low root-zone temperature. <i>Functional Plant Biology</i> , 2019, 46, 339.	1.1	11
1345	Adaptation of sugarcane plants to saline soil. <i>Environmental and Experimental Botany</i> , 2019, 162, 201-211.	2.0	37
1346	Integrative meta-analysis of transcriptomic responses to abiotic stress in cotton. <i>Progress in Biophysics and Molecular Biology</i> , 2019, 146, 112-122.	1.4	53
1347	Antagonistic shifting from abscisic acid- to salicylic acid-mediated sucrose accumulation contributes to drought tolerance in <i>Brassica napus</i> . <i>Environmental and Experimental Botany</i> , 2019, 162, 38-47.	2.0	46
1348	Different Levels of Irrigation Water Salinity and Biochar Influence on Faba Bean Yield, Water Productivity, and Ions Uptake. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 611-626.	0.6	19
1349	Physiological and Transcriptomic Analysis of Tree Peony (<i>Paeonia section Moutan</i> DC.) in Response to Drought Stress. <i>Forests</i> , 2019, 10, 135.	0.9	35
1350	Cross-Disciplinary Drivers: Benefit to Smallholder Farmers and to Achieve SDGs by Various Means. , 2019, , 1-12.		1
1351	Hyperspectral remote sensing of grapevine drought stress. <i>Precision Agriculture</i> , 2019, 20, 335-347.	3.1	40
1352	How an ancient, salt-tolerant fruit crop, <i>Ficus carica</i> L., copes with salinity: a transcriptome analysis. <i>Scientific Reports</i> , 2019, 9, 2561.	1.6	26
1353	Interactive Regimes of Reduced Irrigation and Salt Stress Depressed Tomato Water Use Efficiency at Leaf and Plant Scales by Affecting Leaf Physiology and Stem Sap Flow. <i>Frontiers in Plant Science</i> , 2019, 10, 160.	1.7	30
1354	Co-expression of SpSOS1 and SpAHA1 in transgenic <i>Arabidopsis</i> plants improves salinity tolerance. <i>BMC Plant Biology</i> , 2019, 19, 74.	1.6	38
1355	The regulation of P700 is an important photoprotective mechanism to NaCl salinity in <i>Jatropha curcas</i> . <i>Physiologia Plantarum</i> , 2019, 167, 404-417.	2.6	19
1356	Using of phytomonitoring data for eco-physiological evaluation of the environmental factors limiting development of ornamental plants. <i>Acta Horticulturae</i> , 2019, , 199-206.	0.1	6

#	ARTICLE	IF	CITATIONS
1357	Ameliorating effects of exogenous calcium on the photosynthetic physiology of honeysuckle (<i>Lonicera japonica</i>) under salt stress. <i>Functional Plant Biology</i> , 2019, 46, 1103.	1.1	9
1358	Impact of Drought and Salinity on Sweetgum Tree (<i>Liquidambar styraciflua</i> L.): Understanding Tree Ecophysiological Responses in the Urban Context. <i>Forests</i> , 2019, 10, 1032.	0.9	9
1359	Comparative Water Relations of Two Contrasting Date Palm Genotypes under Salinity. <i>International Journal of Agronomy</i> , 2019, 2019, 1-16.	0.5	16
1360	The influence of pruning height on symbiotic nitrogen fixation in a tree-based fodder production system. <i>African Journal of Range and Forage Science</i> , 2019, 36, 197-201.	0.6	3
1361	Maize Open-Pollinated Populations Physiological Improvement: Validating Tools for Drought Response Participatory Selection. <i>Sustainability</i> , 2019, 11, 6081.	1.6	3
1362	Molecular and phytochemical assessment for some seedy strains of Alamar apricot rootstock under salinity stress. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2019, 6, 173-186.	0.2	5
1363	Physiological and Proteomic Analyses Reveal Adaptive Mechanisms of Ryegrass (Annual vs. Perennial) Seedlings to Salt Stress. <i>Agronomy</i> , 2019, 9, 843.	1.3	5
1364	Moderate Drip Irrigation Level with Low Mepiquat Chloride Application Increases Cotton Lint Yield by Improving Leaf Photosynthetic Rate and Reproductive Organ Biomass Accumulation in Arid Region. <i>Agronomy</i> , 2019, 9, 834.	1.3	16
1366	A Meta-Analysis of Comparative Transcriptomic Data Reveals a Set of Key Genes Involved in the Tolerance to Abiotic Stresses in Rice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5662.	1.8	24
1367	Salinity Stress in Arid and Semi-Arid Climates: Effects and Management in Field Crops. , 0, , .		65
1368	Do carbohydrate metabolism and partitioning contribute to the higher salt tolerance of <i>Hordeum marinum</i> compared to <i>Hordeum vulgare</i> ?. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	8
1369	Late reduction on transpiration is an important trait for water deficit tolerance in interspecific <i>Prunus</i> rootstock hybrids. <i>Theoretical and Experimental Plant Physiology</i> , 2019, 31, 493-506.	1.1	2
1370	Identification of Phenotypic and Physiological Markers of Salt Stress Tolerance in Durum Wheat (<i>Triticum Durum</i> Desf.) through Integrated Analyses. <i>Agronomy</i> , 2019, 9, 844.	1.3	13
1371	Functioning of plant-bacterial associations under osmotic stress in vitro. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 195.	1.7	9
1372	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
1373	Salt-tolerant plant growth-promoting bacteria enhanced salinity tolerance of salt-tolerant alfalfa (<i>Medicago sativa</i> L.) cultivars at high salinity. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	52
1374	Molecular characterization of OsCURT1A from upland rice in response to osmotic stress. <i>Australian Journal of Crop Science</i> , 2019, , 1343-1352.	0.1	1
1375	Plant Growth Promoting Rhizobacterial Mitigation of Drought Stress in Crop Plants: Implications for Sustainable Agriculture. <i>Agronomy</i> , 2019, 9, 712.	1.3	146

#	ARTICLE	IF	CITATIONS
1376	Differential Response of Sugar Beet to Long-Term Mild to Severe Salinity in a Soil-Pot Culture. <i>Agriculture (Switzerland)</i> , 2019, 9, 223.	1.4	61
1377	OXS2 is Required for Salt Tolerance Mainly through Associating with Salt Inducible Genes, CA1 and Araport11, in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2019, 9, 20341.	1.6	24
1378	Nitric oxide- induced AtAO3 differentially regulates plant defense and drought tolerance in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2019, 19, 602.	1.6	35
1379	Responses of succulents to drought: Comparative analysis of four <i>Sedum</i> (Crassulaceae) species. <i>Scientia Horticulturae</i> , 2019, 243, 235-242.	1.7	24
1380	Studies on root anatomy, morphology and physiology of rice grown under aerobic and anaerobic conditions. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 197-205.	1.4	11
1381	Temperature/emissivity separation using hyperspectral thermal infrared imagery and its potential for detecting the water content of plants. <i>International Journal of Remote Sensing</i> , 2019, 40, 1672-1692.	1.3	10
1382	How Do Different Watering Regimes Affect the Growth, Chlorophyll Fluorescence, Phytohormone, and Phenolic Acid Content of Greenhouse-Grown <i>Ceratotheca triloba</i> ?. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 385-399.	2.8	9
1383	Salinity stress detection in rice crops using time series MODIS VI data. <i>International Journal of Remote Sensing</i> , 2019, 40, 8186-8202.	1.3	18
1384	Resorptions of 10 mineral elements in leaves of desert shrubs and their contrasting responses to aridity. <i>Journal of Plant Ecology</i> , 2019, 12, 358-366.	1.2	18
1385	Differential response of Indian mustard (<i>Brassica juncea</i> L., Czern and Coss) under salinity: photosynthetic traits and gene expression. <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 71-83.	1.4	22
1386	Comparison of changes in water status and photosynthetic parameters in wild type and abscisic acid-deficient sitiens mutant of tomato (<i>Solanum lycopersicum</i> cv. Rheinlands Ruhm) exposed to sublethal and lethal salt stress. <i>Journal of Plant Physiology</i> , 2019, 232, 130-140.	1.6	29
1387	Comprehensive metabolomic, proteomic and physiological analyses of grain yield reduction in rice under abrupt drought-flood alternation stress. <i>Physiologia Plantarum</i> , 2019, 167, 564-584.	2.6	42
1388	Salt-adaptive strategies in oil seed crop <i>Ricinus communis</i> early seedlings (cotyledon vs. true leaf) revealed from proteomics analysis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 12-25.	2.9	23
1389	Progress and perspective on drought and salt stress tolerance in cotton. <i>Industrial Crops and Products</i> , 2019, 130, 118-129.	2.5	192
1390	Long-term acclimation to drought, salinity and temperature in the thermophilic tree <i>Ziziphus spina-christi</i> : revealing different tradeoffs between mesophyll and stomatal conductance. <i>Tree Physiology</i> , 2019, 39, 701-716.	1.4	24
1391	Genome-wide association analysis of salinity responsive traits in <i>Medicago truncatula</i> . <i>Plant, Cell and Environment</i> , 2019, 42, 1513-1531.	2.8	26
1392	Marker-free transgenic rice plant overexpressing pea LecRLK imparts salinity tolerance by inhibiting sodium accumulation. <i>Plant Molecular Biology</i> , 2019, 99, 265-281.	2.0	18
1393	Soil Class, Mechanical Impedance and Irrigation: Impact on Physiological Performance in Green Dwarf Coconut. <i>Agricultural Research</i> , 2019, 8, 92-101.	0.9	0

#	ARTICLE	IF	CITATIONS
1394	Comprehensive metabolomic and proteomic analysis in biochemical metabolic pathways of rice spikes under drought and submergence stress. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 237-247.	1.1	31
1395	Saline Soils Can Be Ameliorated by Adding Biochar Generated From Rice Residue Waste. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1700656.	0.7	14
1396	Interactive effects of climate and topography on soil salinity and vegetation zonation in North African continental saline depressions. <i>Journal of Vegetation Science</i> , 2019, 30, 312-321.	1.1	13
1397	Future Biochar Research Directions. , 2019, , 423-435.		4
1398	Land pavement depresses photosynthesis in urban trees especially under drought stress. <i>Science of the Total Environment</i> , 2019, 653, 120-130.	3.9	42
1399	Is time important in response of morpho-physiological parameters in <i>Withania coagulans</i> L. landraces to water deficit stress?. <i>Industrial Crops and Products</i> , 2019, 128, 18-28.	2.5	3
1400	Salt Stress Induces Increase in Starch Accumulation in Duckweed (<i>Lemna aequinoctialis</i> , Lemnaceae): Biochemical and Physiological Aspects. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 683-700.	2.8	28
1401	Interactions between <i>Pseudomonas</i> spp. and their role in improving the red pepper plant growth under salinity stress. <i>Microbiological Research</i> , 2019, 219, 66-73.	2.5	61
1402	The role of amino acid metabolism during abiotic stress release. <i>Plant, Cell and Environment</i> , 2019, 42, 1630-1644.	2.8	278
1403	Controlling salt flushing using a salinity index obtained by soil dielectric sensors improves the physiological status and quality of potted hydrangea plant. <i>Scientia Horticulturae</i> , 2019, 247, 335-343.	1.7	7
1404	Unraveling the crucial role of the ascorbate-glutathione cycle in the resilience of <i>Cistus monspeliensis</i> L. to withstand high As concentrations. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 389-397.	2.9	6
1405	Overexpression of a protein kinase gene <i>MpSnRK2.10</i> from <i>Malus prunifolia</i> confers tolerance to drought stress in transgenic <i>Arabidopsis thaliana</i> and apple. <i>Gene</i> , 2019, 692, 26-34.	1.0	28
1406	Effects of selenium on enzymatic changes and productivity of garlic under salinity stress. <i>South African Journal of Botany</i> , 2019, 121, 447-455.	1.2	33
1407	Coupling physiological analysis with proteomic profile to understand the photosynthetic responses of young <i>Euterpe oleracea</i> palms to drought. <i>Photosynthesis Research</i> , 2019, 140, 189-205.	1.6	13
1408	Estimating the upper and lower limits of kernel weight under different water regimes in hybrid maize seed production. <i>Agricultural Water Management</i> , 2019, 213, 128-134.	2.4	11
1409	Prolonged Water Deficit Reveals New Profile of Sugarcane Gene Expression and Metabolic Pathway Related to Tolerance. <i>Sugar Tech</i> , 2019, 21, 451-461.	0.9	3
1410	Drought tolerance response of high yielding soybean varieties to mild drought: physiological and photochemical adjustments. <i>Physiologia Plantarum</i> , 2019, 166, 88-104.	2.6	50
1411	Responses of two common bean (<i>Phaseolus vulgaris</i> L.) genotypes to deficit irrigation. <i>Agricultural Water Management</i> , 2019, 213, 270-279.	2.4	35

#	ARTICLE	IF	CITATIONS
1412	Characterization of phenology, physiology, morphology and biomass traits across a broad Euro-Mediterranean ecotypic panel of the lignocellulosic feedstock <i>Arundo donax</i> . <i>GCB Bioenergy</i> , 2019, 11, 152-170.	2.5	21
1413	Physiological and biochemical attributes of <i>Mentha spicata</i> when subjected to saline conditions and cation foliar application. <i>Journal of Plant Physiology</i> , 2019, 232, 27-38.	1.6	24
1414	Pod-wall proteomics provide novel insights into soybean seed-filling process under chemical-induced terminal drought stress. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2481-2493.	1.7	8
1415	Leaf traits of C3- and C4-plants indicating climatic adaptation along a latitudinal gradient in Southern Siberia and Mongolia. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 122-134.	0.6	18
1416	Large-scale environmental niche variation between clonal and non-clonal plant species: Roles of clonal growth organs and ecoregions. <i>Science of the Total Environment</i> , 2019, 652, 1071-1076.	3.9	12
1417	Menadione sodium bisulphite (MSB): Beyond seed-soaking. Root pretreatment with MSB primes salt stress tolerance in tomato plants. <i>Environmental and Experimental Botany</i> , 2019, 157, 161-170.	2.0	23
1418	Warming and water deficit impact leaf photosynthesis and decrease forage quality and digestibility of a C4 tropical grass. <i>Physiologia Plantarum</i> , 2019, 165, 383-402.	2.6	64
1419	Low salinity promotes the growth of broccoli sprouts by regulating hormonal homeostasis and photosynthesis. <i>Horticulture Environment and Biotechnology</i> , 2019, 60, 19-30.	0.7	16
1420	What do we know about salt stress in bryophytes?. <i>Plant Biosystems</i> , 2019, 153, 478-489.	0.8	12
1421	Exogenous alpha lipoic acid can stimulate photosystem II activity and the gene expressions of carbon fixation and chlorophyll metabolism enzymes in maize seedlings under drought. <i>Journal of Plant Physiology</i> , 2019, 232, 65-73.	1.6	25
1422	Cross-talk between physiological and biochemical adjustments by <i>Punica granatum</i> cv. Dente di cavallo mitigates the effects of salinity and ozone stress. <i>Science of the Total Environment</i> , 2019, 656, 589-597.	3.9	24
1423	Potential production of polyphenols, carotenoids and glycoalkaloids in <i>Solanum villosum</i> Mill. under salt stress. <i>Biologia (Poland)</i> , 2019, 74, 309-324.	0.8	23
1424	Impact of drought and salinity on olive water status and physiological performance in an arid climate. <i>Agricultural Water Management</i> , 2019, 213, 749-759.	2.4	41
1425	Calmodulin-like gene MtCML40 is involved in salt tolerance by regulating MthKTs transporters in <i>Medicago truncatula</i> . <i>Environmental and Experimental Botany</i> , 2019, 157, 79-90.	2.0	35
1426	Understanding physiological and morphological traits contributing to drought tolerance in barley. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 129-140.	1.7	34
1427	Tamm Review: Seedling-based ecology, management, and restoration in aspen (<i>Populus tremuloides</i>). <i>Forest Ecology and Management</i> , 2019, 432, 231-245.	1.4	41
1428	Drought-introduced variability of mesophyll conductance in <i>Gossypium</i> and its relationship with leaf anatomy. <i>Physiologia Plantarum</i> , 2019, 166, 873-887.	2.6	30
1429	Variation in photosynthetic characteristics with growth form in a water-limited scenario: Implications for assimilation rates and water use efficiency in crops. <i>Agricultural Water Management</i> , 2019, 216, 457-472.	2.4	70

#	ARTICLE	IF	CITATIONS
1430	Effects of water deficit stress on agronomic and physiological responses of rice and greenhouse gas emission from rice soil under elevated atmospheric CO ₂ . <i>Science of the Total Environment</i> , 2019, 650, 2032-2050.	3.9	75
1431	Extreme salinity as a challenge to grow potatoes under Mars-like soil conditions: targeting promising genotypes. <i>International Journal of Astrobiology</i> , 2019, 18, 18-24.	0.9	14
1432	Transcriptomic reprogramming in soybean seedlings under salt stress. <i>Plant, Cell and Environment</i> , 2019, 42, 98-114.	2.8	111
1433	Differences in physiological and biochemical characteristics in response to single and combined drought and salinity stresses between wheat genotypes differing in salt tolerance. <i>Physiologia Plantarum</i> , 2019, 165, 134-143.	2.6	66
1434	Cloning and expression analysis of the FvNCED3 gene and its promoter from ash (<i>Fraxinus velutina</i>). <i>Journal of Forestry Research</i> , 2019, 30, 471-482.	1.7	6
1435	Effects of temperature and water availability on light energy utilization in photosynthetic processes of <i>Deschampsia antarctica</i> . <i>Physiologia Plantarum</i> , 2019, 165, 511-523.	2.6	17
1436	Acclimatization of <i>Terminalia Arjuna</i> saplings to salt stress: characterization of growth, biomass and photosynthetic parameters. <i>Journal of Sustainable Forestry</i> , 2020, 39, 76-91.	0.6	6
1437	Wheat mitochondrial respiration shifts from the tricarboxylic acid cycle to the GABA shunt under salt stress. <i>New Phytologist</i> , 2020, 225, 1166-1180.	3.5	135
1438	Maximizing leaf carbon gain in varying saline conditions: An optimization model with dynamic mesophyll conductance. <i>Plant Journal</i> , 2020, 101, 543-554.	2.8	9
1439	Developing the first halophytic turfgrasses for the urban landscape from native Arabian desert grass. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39702-39716.	2.7	23
1440	Photosynthetic Response of Plants Under Different Abiotic Stresses: A Review. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 509-531.	2.8	406
1441	New Insights on GALA™ Apple Fruit Development: Sugar and Acid Accumulation: A Transcriptomic Approach. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 680-702.	2.8	12
1442	The effect of extreme dehydration on photosynthetic activity of <i>Sphagnum denticulatum</i> cultivated genotypes from different habitats. <i>Plant Biosystems</i> , 2020, 154, 384-395.	0.8	1
1443	The Impact of Silicon on Photosynthetic and Biochemical Responses of Sugarcane under Different Soil Moisture Levels. <i>Silicon</i> , 2020, 12, 1355-1367.	1.8	68
1444	Jasmonic acid-induced metabolic responses in bitter melon (<i>Momordica charantia</i>) seedlings under salt stress. <i>Journal of Horticultural Science and Biotechnology</i> , 2020, 95, 247-259.	0.9	25
1445	Advances in omics approaches to tackle drought stress in grain legumes. <i>Plant Breeding</i> , 2020, 139, 1-27.	1.0	38
1446	Epigenetic signatures of stress adaptation and flowering regulation in response to extended drought and recovery in <i>Zea mays</i> . <i>Plant, Cell and Environment</i> , 2020, 43, 55-75.	2.8	51
1447	Dodder-transmitted mobile signals prime host plants for enhanced salt tolerance. <i>Journal of Experimental Botany</i> , 2020, 71, 1171-1184.	2.4	22

#	ARTICLE	IF	CITATIONS
1448	Salt tolerance diversity in diploid and polyploid cotton (<i>Gossypium</i>) species. <i>Plant Journal</i> , 2020, 101, 1135-1151.	2.8	34
1449	Ameliorating effects of biochar on photosynthetic efficiency and antioxidant defence of <i>Phragmites karka</i> under drought stress. <i>Plant Biology</i> , 2020, 22, 259-266.	1.8	73
1450	Water deficit modulates growth, morphology, and the essential oil profile in <i>Lippia alba</i> L. (Verbenaceae) grown in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 141, 55-65.	1.2	13
1451	Insights into Drought Stress Signaling in Plants and the Molecular Genetic Basis of Cotton Drought Tolerance. <i>Cells</i> , 2020, 9, 105.	1.8	189
1452	Stomatal traits as a determinant of superior salinity tolerance in wild barley. <i>Journal of Plant Physiology</i> , 2020, 245, 153108.	1.6	41
1453	The diversity of soil microbial communities matters when legumes face drought. <i>Plant, Cell and Environment</i> , 2020, 43, 1023-1035.	2.8	44
1454	Different resource-use strategies of invasive and native woody species from a seasonally dry tropical forest under drought stress and recovery. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 181-190.	2.8	26
1455	Rootstocks modulate the physiology and growth responses to water deficit and long-term recovery in grafted stone fruit trees. <i>Agricultural Water Management</i> , 2020, 228, 105897.	2.4	29
1456	Brown gold of marginal soil: Plant growth promoting bacteria to overcome plant abiotic stress for agriculture, biofuels and carbon sequestration. <i>Science of the Total Environment</i> , 2020, 711, 135062.	3.9	55
1457	Differential proteomic analyses of green microalga <i>Ettlia</i> sp. at various dehydration levels. <i>Plant Physiology and Biochemistry</i> , 2020, 146, 198-210.	2.8	2
1458	Molecular responses to freshwater limitation in the mangrove tree <i>Avicennia germinans</i> (Acanthaceae). <i>Molecular Ecology</i> , 2020, 29, 344-362.	2.0	12
1459	Increased Drought and Salinity Tolerance in <i>Citrus aurantifolia</i> (Mexican Lemon) Plants Overexpressing <i>Arabidopsis</i> CBF3 Gene. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 244-252.	1.7	13
1461	Differential expression of genes involved in the response of <i>Prunus</i> spp. rootstocks under soil flooding. <i>Scientia Horticulturae</i> , 2020, 261, 109038.	1.7	3
1462	The reactive influences of pre-sowing He-Ne laser seed irradiation and drought stress on growth, fatty acids, phenolic ingredients, and antioxidant properties of <i>Celosia argentea</i> . <i>Scientia Horticulturae</i> , 2020, 261, 108989.	1.7	16
1463	OsABA8ox2, an ABA catabolic gene, suppresses root elongation of rice seedlings and contributes to drought response. <i>Crop Journal</i> , 2020, 8, 480-491.	2.3	40
1464	Comparative Proteomics Unravels the Differences in Salt Stress Response of Own-Rooted and 110R-Grafted Thompson Seedless Grapevines. <i>Journal of Proteome Research</i> , 2020, 19, 583-599.	1.8	8
1465	Joint optimization of irrigation and planting pattern to guarantee seed quality, maximize yield, and save water in hybrid maize seed production. <i>European Journal of Agronomy</i> , 2020, 113, 125970.	1.9	15
1466	Functional response of garlic to optimized regulated deficit irrigation (ORDI) across crop stages and years: Is physiological performance impaired at the most sensitive stages to water deficit?. <i>Agricultural Water Management</i> , 2020, 228, 105886.	2.4	13

#	ARTICLE	IF	CITATIONS
1467	Cell wall components regulate photosynthesis and leaf water relations of <i>Vitis vinifera</i> cv. Grenache acclimated to contrasting environmental conditions. <i>Journal of Plant Physiology</i> , 2020, 244, 153084.	1.6	32
1468	Melatonin enhances salt stress tolerance in rubber tree (<i>Hevea brasiliensis</i>) seedlings. <i>Industrial Crops and Products</i> , 2020, 145, 111990.	2.5	27
1469	Three-dimensional ultrastructural change of chloroplasts in rice mesophyll cells responding to salt stress. <i>Annals of Botany</i> , 2020, 125, 833-840.	1.4	27
1470	The Tolerance of Salinity in Rice Requires the Presence of a Functional Copy of FLN2. <i>Biomolecules</i> , 2020, 10, 17.	1.8	28
1471	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
1472	Transcriptome Response to Drought, Rehydration and Re-Dehydration in Potato. <i>International Journal of Molecular Sciences</i> , 2020, 21, 159.	1.8	61
1473	Temporal Response to Drought Stress in Several <i>Prunus</i> Rootstocks and Wild Species. <i>Agronomy</i> , 2020, 10, 1383.	1.3	13
1474	Abiotic stress elements in <i>in vitro</i> potato (<i>Solanum tuberosum</i> L.) exposed to air-based and liquid-based ultrasound: A comparative transcriptomic assessment. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 158, 47-56.	1.4	5
1475	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
1476	The Effects of Moderate and Severe Salinity on Composition and Physiology in the Biomass Crop <i>Miscanthus × giganteus</i> . <i>Plants</i> , 2020, 9, 1266.	1.6	12
1477	Comparative transcriptome study of switchgrass (<i>Panicum virgatum</i> L.) homologous autopolyploid and its parental amphidiploid responding to consistent drought stress. <i>Biotechnology for Biofuels</i> , 2020, 13, 170.	6.2	21
1478	Drought-induced shift from a carbon sink to a carbon source in the grasslands of Inner Mongolia, China. <i>Catena</i> , 2020, 195, 104845.	2.2	22
1479	Plant growth-promoting rhizobacteria (PGPR) improve the growth and nutrient use efficiency in maize (<i>Zea mays</i> L.) under water deficit conditions. <i>Heliyon</i> , 2020, 6, e05106.	1.4	88
1480	Silicon supplementation mitigates salinity stress on <i>Ocimum basilicum</i> L. via improving water balance, ion homeostasis, and antioxidant defense system. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111396.	2.9	69
1481	Effects of post-silking water deficit on the leaf photosynthesis and senescence of waxy maize. <i>Journal of Integrative Agriculture</i> , 2020, 19, 2216-2228.	1.7	21
1482	Translocation of photoassimilates in melon vines and fruits under salinity using ¹³ C isotope. <i>Scientia Horticulturae</i> , 2020, 274, 109659.	1.7	5
1483	Regulation of the size of photosystem II light harvesting antenna represents a universal mechanism of higher plant acclimation to stress conditions. <i>Functional Plant Biology</i> , 2020, 47, 959.	1.1	12
1484	Negative effects of long-term moderate salinity and short-term drought stress on the photosynthetic performance of Hybrid <i>Pennisetum</i> . <i>Plant Physiology and Biochemistry</i> , 2020, 155, 93-104.	2.8	45

#	ARTICLE	IF	CITATIONS
1485	Different Summer and Autumn Water Deficit Affect the Floral Differentiation and Flower Bud Growth in Apricot (<i>Prunus armeniaca</i> L.). <i>Agronomy</i> , 2020, 10, 914.	1.3	3
1486	Can interaction between silicon and non-rhizobial bacteria help in improving nodulation and nitrogen fixation in salinity-stressed legumes? A review. <i>Rhizosphere</i> , 2020, 15, 100229.	1.4	51
1487	Different strategies of strigolactone and karrikin signals in regulating the resistance of <i>Arabidopsis thaliana</i> to water-deficit stress. <i>Plant Signaling and Behavior</i> , 2020, 15, 1789321.	1.2	10
1488	Ethylene: A Master Regulator of Salinity Stress Tolerance in Plants. <i>Biomolecules</i> , 2020, 10, 959.	1.8	125
1489	Review: partial root zone drying an approach to increase water use efficiency of horticultural crops and chlorophyll fluorescence. <i>Cogent Biology</i> , 2020, 6, 1767016.	1.7	4
1490	Label-free quantitative proteomic analysis of alfalfa in response to microRNA156 under high temperature. <i>BMC Genomics</i> , 2020, 21, 758.	1.2	8
1491	Temporal transcriptomic differences between tolerant and susceptible genotypes contribute to rice drought tolerance. <i>BMC Genomics</i> , 2020, 21, 776.	1.2	8
1492	Rootstock Effects on Water Relations of Young Almond Trees (cv. Soleta) When Subjected to Water Stress and Rehydration. <i>Water (Switzerland)</i> , 2020, 12, 3319.	1.2	15
1493	Salinity, not genetic incompatibilities, limits the establishment of the invasive hybrid cattail <i>Typha glauca</i> in coastal wetlands. <i>Ecology and Evolution</i> , 2020, 10, 12091-12103.	0.8	12
1494	The Use of Red Shade Nets Improves Growth in Salinized Pepper (<i>Capsicum annuum</i> L.) Plants by Regulating Their Ion Homeostasis and Hormone Balance. <i>Agronomy</i> , 2020, 10, 1766.	1.3	6
1495	Demethylation alters transcriptome profiling of buds and leaves in 'Kyoho' grape. <i>BMC Plant Biology</i> , 2020, 20, 544.	1.6	7
1496	Remotely sensed canopy resistance model for analyzing the stomatal behavior of environmentally-stressed winter wheat. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 168, 197-207.	4.9	11
1497	Molybdenum Induces Growth, Yield, and Defence System Mechanisms of the Mung Bean (<i>Vigna radiata</i>) Tj ETQq0 0,0 rgBT /Qverlock 10	0.5	8
1498	Drought and Salinity Stress Responses and Microbe-Induced Tolerance in Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 591911.	1.7	315
1499	Effects of nano-fertilizers on physiological and yield characteristics of pinto bean cultivars under water deficit stress. <i>Journal of Plant Nutrition</i> , 2020, 43, 2898-2910.	0.9	16
1500	Drought-induced stress in leaves of <i>Coix lacryma-jobi</i> L. under exogenous application of proline and GABA amino acids. <i>Revista Brasileira De Botanica</i> , 2020, 43, 513-521.	0.5	4
1501	Physiological and molecular responses of <i>Setaria viridis</i> to osmotic stress. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 114-125.	2.8	11
1502	Leaf age-dependent elastic adjustment and photosynthetic performance under drought stress in <i>Arbutus unedo</i> seedlings. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 271, 151662.	0.6	10

#	ARTICLE	IF	CITATIONS
1503	In-depth analysis of the <i>Quercus suber</i> metabolome under drought stress and recovery reveals potential key metabolic players. <i>Plant Science</i> , 2020, 299, 110606.	1.7	17
1504	Molecular basis for neofunctionalization of duplicated E3 ubiquitin ligases underlying adaptation to drought tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 104, 474-492.	2.8	3
1505	Soil water availability threshold indicator was determined by using plant physiological responses under drought conditions. <i>Ecological Indicators</i> , 2020, 118, 106740.	2.6	14
1506	Effect of salinity and seed salt priming on the physiology of adult plants of <i>Solanum lycopersicum</i> cv. 'Grande'. <i>Revista Brasileira De Botanica</i> , 2020, 43, 775-787.	0.5	12
1507	Quantitative Evaluation of Spatial and Temporal Variation of Soil Salinization Risk Using GIS-Based Geostatistical Method. <i>Remote Sensing</i> , 2020, 12, 2405.	1.8	17
1508	Influence of elements of climate change on the growth and fecundity of <i>Datura stramonium</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 35859-35869.	2.7	12
1509	Genotypic-specific responses caused by prolonged drought stress in smooth brome grass (<i>Bromus tectorum</i>). <i>Overlook 10 T</i>	1.0	5
1510	Non-stomatal processes reduce gross primary productivity in temperate forest ecosystems during severe edaphic drought. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190527.	1.8	24
1511	Tolerance to Drought and Water Stress Resistance Mechanism of Castor Bean. <i>Agronomy</i> , 2020, 10, 1580.	1.3	4
1512	Sub1A gene screening for submergence stress in Indonesian local rice varieties. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
1513	Response to Salt Stress in Lettuce: Changes in Chlorophyll Fluorescence Parameters, Phytochemical Contents, and Antioxidant Activities. <i>Agronomy</i> , 2020, 10, 1627.	1.3	67
1514	Current Advances in Plant Growth Promoting Bacteria Alleviating Salt Stress for Sustainable Agriculture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7025.	1.3	57
1515	How does <i>Copaifera langsdorffii</i> respond to flooding under different irradiance levels?. <i>Plant Biosystems</i> , 2022, 156, 68-78.	0.8	6
1516	24-Epi brassinolide improves photosynthetic response of <i>Rhododendron delavayi</i> to drought. <i>Nordic Journal of Botany</i> , 2020, 38, .	0.2	5
1517	Morphological and physiological responses of two willow species from different habitats to salt stress. <i>Scientific Reports</i> , 2020, 10, 18228.	1.6	17
1518	Responses of Photosynthetic Electron Transport to Drought and Re-watering in Two Maize Genotypes. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 912-922.	0.5	2
1519	Elevated atmospheric CO ₂ modifies responses to water stress and flowering of Mediterranean desert truffle mycorrhizal shrubs. <i>Physiologia Plantarum</i> , 2020, 170, 537-549.	2.6	6
1520	An Evaluation of Different Parameters to Screen Ornamental Shrubs for Salt Spray Tolerance. <i>Biology</i> , 2020, 9, 250.	1.3	9

#	ARTICLE	IF	CITATIONS
1521	A Synthetic Cytokinin Improves Photosynthesis in Rice under Drought Stress by Modulating the Abundance of Proteins Related to Stomatal Conductance, Chlorophyll Contents, and Rubisco Activity. <i>Plants</i> , 2020, 9, 1106.	1.6	27
1522	Responses of leaf gas exchange attributes, photosynthetic pigments and antioxidant enzymes in NaCl-stressed cotton (<i>Gossypium hirsutum</i> L.) seedlings to exogenous glycine betaine and salicylic acid. <i>BMC Plant Biology</i> , 2020, 20, 434.	1.6	56
1523	The oxygen-evolving complex: a super catalyst for life on earth, in response to abiotic stresses. <i>Plant Signaling and Behavior</i> , 2020, 15, 1824721.	1.2	32
1524	Morphological and Physiological Traits that Explain Yield Response to Drought Stress in <i>Miscanthus</i> . <i>Agronomy</i> , 2020, 10, 1194.	1.3	18
1525	Concurrent and Lagged Effects of Extreme Drought Induce Net Reduction in Vegetation Carbon Uptake on Tibetan Plateau. <i>Remote Sensing</i> , 2020, 12, 2347.	1.8	42
1526	Exogenous Silicon Enhanced Salt Resistance by Maintaining K ⁺ /Na ⁺ Homeostasis and Antioxidant Performance in Alfalfa Leaves. <i>Frontiers in Plant Science</i> , 2020, 11, 1183.	1.7	38
1527	Effect of salinity stress on yield and quality parameters in flax (<i>Linum usitatissimum</i> L.). <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 954-966.	0.5	26
1528	Produced water's impact on soil properties: Remediation challenges and opportunities. , 2020, 3, e20042.		6
1529	Cell wall composition and thickness affect mesophyll conductance to CO ₂ diffusion in <i>Helianthus annuus</i> under water deprivation. <i>Journal of Experimental Botany</i> , 2020, 71, 7198-7209.	2.4	27
1530	Gene Expression Profiles and Flavonoid Accumulation during Salt Stress in <i>Ginkgo biloba</i> Seedlings. <i>Plants</i> , 2020, 9, 1162.	1.6	61
1531	Is Silicon a Panacea for Alleviating Drought and Salt Stress in Crops?. <i>Frontiers in Plant Science</i> , 2020, 11, 1221.	1.7	102
1532	Transcriptome profiling at osmotic and ionic phases of salt stress response in bread wheat uncovers trait-specific candidate genes. <i>BMC Plant Biology</i> , 2020, 20, 428.	1.6	16
1533	Adaptation to Water and Salt Stresses of <i>Solanum pimpinellifolium</i> and <i>Solanum lycopersicum</i> var. <i>cerasiforme</i> . <i>Agronomy</i> , 2020, 10, 1169.	1.3	14
1534	The Application of a Commercially Available Citrus-Based Extract Mitigates Moderate NaCl-Stress in <i>Arabidopsis thaliana</i> Plants. <i>Plants</i> , 2020, 9, 1010.	1.6	7
1535	Alleviation of Detrimental Effects of Salt Stress on Date Palm (<i>Phoenix dactylifera</i> L.) by the Application of Arbuscular Mycorrhizal Fungi and/or Compost. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	80
1536	Characteristics of Leaf Stomata and Their Relationship with Photosynthesis in <i>Saccharum officinarum</i> Under Drought and Silicon Application. <i>ACS Omega</i> , 2020, 5, 24145-24153.	1.6	56
1537	The Impact of Drought in Plant Metabolism: How to Exploit Tolerance Mechanisms to Increase Crop Production. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5692.	1.3	281
1538	Adjustment of Photosynthetic and Antioxidant Activities to Water Deficit Is Crucial in the Drought Tolerance of <i>Lolium multiflorum</i> / <i>Festuca arundinacea</i> Introgression Forms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5639.	1.8	6

#	ARTICLE	IF	CITATIONS
1539	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
1540	The roles of chloroplast membrane lipids in abiotic stress responses. <i>Plant Signaling and Behavior</i> , 2020, 15, 1807152.	1.2	23
1541	Flavonoids in Agriculture: Chemistry and Roles in, Biotic and Abiotic Stress Responses, and Microbial Associations. <i>Agronomy</i> , 2020, 10, 1209.	1.3	124
1542	Impact of water availability on root growth of sugar beet varieties. <i>Soil Use and Management</i> , 2022, 38, 1033-1043.	2.6	4
1543	Chlorophyll Retention and High Photosynthetic Performance Contribute to Salinity Tolerance in Rice Carrying Drought Tolerance Quantitative Trait Loci (QTLs). <i>Agriculture (Switzerland)</i> , 2020, 10, 620.	1.4	7
1544	Germination and Seedling Growth Responses of <i>Zygophyllum fabago</i> , <i>Salsola kali</i> L. and <i>Atriplex canescens</i> to PEG-Induced Drought Stress. <i>Environments - MDPI</i> , 2020, 7, 107.	1.5	55
1545	Interrelation of Ecophysiological and Morpho-Agronomic Parameters in Low Altitude Evaluation of Selected Ecotypes of Sweet Potato (<i>Ipomoea batatas</i> [L.] Lam.). <i>Horticulturae</i> , 2020, 6, 99.	1.2	1
1546	Sugarcane Plant Growth and Physiological Responses to Soil Salinity during Tillering and Stalk Elongation. <i>Agriculture (Switzerland)</i> , 2020, 10, 608.	1.4	13
1547	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
1548	Plant Salinity Tolerance Conferred by Arbuscular Mycorrhizal Fungi and Associated Mechanisms: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 588550.	1.7	46
1549	Plant Growth-Promoting Rhizobacteria Isolated from Degraded Habitat Enhance Drought Tolerance of <i>Acacia</i> (<i>Acacia abyssinica</i> Hochst. ex Benth.) Seedlings. <i>International Journal of Microbiology</i> , 2020, 1-13.	0.9	20
1550	Gas Permeability of Salt Crusts Formed by Evaporation from Porous Media. <i>Geosciences (Switzerland)</i> , 2020, 10, 423.	1.0	7
1551	Sexual Differences in Physiological and Transcriptional Responses to Salinity Stress of <i>Salix linearistipularis</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 517962.	1.7	13
1552	Barley Plants Overexpressing Ferrochelatases (HvFC1 and HvFC2) Show Improved Photosynthetic Rates and Have Reduced Photo-Oxidative Damage under Drought Stress than Non-Transgenic Controls. <i>Agronomy</i> , 2020, 10, 1351.	1.3	7
1553	Application of stress induces ascorbate peroxidases of <i>S. polyrhiza</i> for green-synthesis Cu nanoparticles. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8783-8792.	2.3	2
1554	Integration of Physiological and Molecular Traits Would Help to Improve the Insights of Drought Resistance in Highbush Blueberry Cultivars. <i>Plants</i> , 2020, 9, 1457.	1.6	10
1555	Acetic acid improves drought acclimation in soybean: an integrative response of photosynthesis, osmoregulation, mineral uptake and antioxidant defense. <i>Physiologia Plantarum</i> , 2020, 172, 334.	2.6	7
1556	Interactions between brown planthopper (<i>Nilaparvata lugens</i>) and salinity stressed rice (<i>Oryza sativa</i>) plant are cultivar-specific. <i>Scientific Reports</i> , 2020, 10, 8051.	1.6	7

#	ARTICLE	IF	CITATIONS
1557	Screening for durum wheat (<i>Triticum durum</i> Desf.) cultivar resistance to drought stress using an integrated physiological approach. <i>Journal of Crop Science and Biotechnology</i> , 2020, 23, 355-365.	0.7	6
1558	Native Plants to Arid Areas: A Genetic Reservoir for Drought-Tolerant Crops. , 2020, , .		1
1559	Effect of water soluble humic acid applied to potato foliage on plant growth, photosynthesis characteristics and fresh tuber yield under different water deficits. <i>Scientific Reports</i> , 2020, 10, 7854.	1.6	23
1560	Silicon Effects on Biomass Carbon and Phytolith-Occcluded Carbon in Grasslands Under High-Salinity Conditions. <i>Frontiers in Plant Science</i> , 2020, 11, 657.	1.7	15
1561	Chemotaxis and physiological adaptation of an indigenous abiotic stress tolerant plant growth promoting <i>Pseudomonas stutzeri</i> : Amelioration of salt stress to <i>Cicer arietinum</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101652.	1.5	13
1562	14-3-3 Proteins and Other Candidates form Protein-Protein Interactions with the Cytosolic C-terminal End of SOS1 Affecting Its Transport Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3334.	1.8	13
1563	Drought Stress Tolerance and Photosynthetic Activity of Alloplasmic Lines <i>T. dicocum</i> x <i>T. aestivum</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 3356.	1.8	17
1564	Genome-Wide Association and Prediction of Traits Related to Salt Tolerance in Autotetraploid Alfalfa (<i>Medicago sativa</i> L.). <i>International Journal of Molecular Sciences</i> , 2020, 21, 3361.	1.8	21
1565	Exogenous melatonin alleviates PEG-induced short-term water deficiency in maize by increasing hydraulic conductance. <i>BMC Plant Biology</i> , 2020, 20, 218.	1.6	26
1566	Effect of drought on growth, photosynthesis and total antioxidant capacity of the saharan plant <i>Oudneya africana</i> . <i>Environmental and Experimental Botany</i> , 2020, 176, 104099.	2.0	66
1567	Irrigation and nutrition as criteria for adequate management of Tahiti acid lime trees affected by a physiological disorder in tropical conditions. <i>Scientia Horticulturae</i> , 2020, 270, 109438.	1.7	2
1568	Evidence for a Dark Septate Endophyte (<i>Exophiala pisciphila</i> , H93) Enhancing Phosphorus Absorption by Maize Seedlings. <i>Plant and Soil</i> , 2020, 452, 249-266.	1.8	35
1569	Cytochrome oxidase and alternative oxidase pathways of mitochondrial electron transport chain are important for the photosynthetic performance of pea plants under salinity stress conditions. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 248-259.	2.8	30
1570	The resistance and resilience of European beech seedlings to drought stress during the period of leaf development. <i>Tree Physiology</i> , 2020, 40, 1147-1164.	1.4	21
1571	Mechanisms of Plant Responses and Adaptation to Soil Salinity. <i>Innovation(China)</i> , 2020, 1, 100017.	5.2	387
1572	Regulation of the Calvin cycle under abiotic stresses: an overview. , 2020, , 681-717.		14
1573	Role of nitric oxide-dependent posttranslational modifications of proteins under abiotic stress. , 2020, , 793-809.		2
1574	Effects of exogenous manganese on its plant growth, subcellular distribution, chemical forms, physiological and biochemical traits in <i>Cleome viscosa</i> L.. <i>Ecotoxicology and Environmental Safety</i> , 2020, 198, 110696.	2.9	22

#	ARTICLE	IF	CITATIONS
1575	Cellular mechanisms of drought tolerance in wheat. , 2020, , 155-167.		9
1576	Photosynthetic characteristic and leaf traits variations along a natural light gradient in <i>Acer campestre</i> and <i>Crataegus monogyna</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 268, 151626.	0.6	8
1577	Comparison of the individual salinity and water deficit stress using water use, yield, and plant parameters in maize. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 448.	1.3	8
1578	Recurrent drought stress effects on essential oil profile of Lamiaceae plants: An approach regarding stress memory. <i>Industrial Crops and Products</i> , 2020, 154, 112695.	2.5	23
1579	Transcriptional analysis reveals sodium nitroprusside affects alfalfa in response to PEG-induced osmotic stress at germination stage. <i>Protoplasma</i> , 2020, 257, 1345-1358.	1.0	15
1580	Transcriptomic and Physiological Analyses Reveal the Dynamic Response to Salinity Stress of the Garden Asparagus (<i>Asparagus officinalis</i> L.). <i>Plant Molecular Biology Reporter</i> , 2020, 38, 613-627.	1.0	4
1581	Introducing water stress hysteresis to the Feddes empirical macroscopic root water uptake model. <i>Agricultural Water Management</i> , 2020, 240, 106293.	2.4	19
1582	Low Salinity Improves Photosynthetic Performance in <i>Panicum antidotale</i> Under Drought Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 481.	1.7	34
1583	Assessing the Impact of Drought Stress and Soil Cultivation in Chardonnay and Xynisteri Grape Cultivars. <i>Agronomy</i> , 2020, 10, 670.	1.3	14
1584	Exogenous Melatonin Modulates the Physiological and Biochemical Mechanisms of Drought Tolerance in Tartary Buckwheat (<i>Fagopyrum tataricum</i> (L.) Gaertn). <i>Molecules</i> , 2020, 25, 2828.	1.7	55
1585	Long term drought effects on tomato leaves: anatomical, gas exchange and antioxidant modifications. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	10
1586	Pea Efficiency of Post-drought Recovery Relies on the Strategy to Fine-Tune Nitrogen Nutrition. <i>Frontiers in Plant Science</i> , 2020, 11, 204.	1.7	18
1587	Adjustment of photosynthetic activity to drought and fluctuating light in wheat. <i>Plant, Cell and Environment</i> , 2020, 43, 1484-1500.	2.8	45
1588	Foliar Pre-Treatment with Abscisic Acid Enhances Olive Tree Drought Adaptability. <i>Plants</i> , 2020, 9, 341.	1.6	10
1589	Photosynthetic Response Mechanism of Soil Salinity-Induced Cross-Tolerance to Subsequent Drought Stress in Tomato Plants. <i>Plants</i> , 2020, 9, 363.	1.6	33
1590	Patterns in nonstructural carbohydrate contents at the tree organ level in response to drought duration. <i>Global Change Biology</i> , 2020, 26, 3627-3638.	4.2	94
1591	Moderate drought followed by re-watering initiates beneficial changes in the photosynthesis, biomass production and Rubiaceae-type cyclopeptides (RAs) accumulation of <i>Rubia yunnanensis</i> . <i>Industrial Crops and Products</i> , 2020, 148, 112284.	2.5	13
1592	Genome-wide discovery and functional prediction of salt-responsive lncRNAs in duckweed. <i>BMC Genomics</i> , 2020, 21, 212.	1.2	32

#	ARTICLE	IF	CITATIONS
1593	The RNA-seq transcriptomic analysis reveals genes mediating salt tolerance through rapid triggering of ion transporters in a mutant barley. <i>PLoS ONE</i> , 2020, 15, e0229513.	1.1	27
1594	Physiological Changes in <i>Mesembryanthemum crystallinum</i> During the C3 to CAM Transition Induced by Salt Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 283.	1.7	26
1595	Triploid Citrus Genotypes Have a Better Tolerance to Natural Chilling Conditions of Photosynthetic Capacities and Specific Leaf Volatile Organic Compounds. <i>Frontiers in Plant Science</i> , 2020, 11, 330.	1.7	34
1596	Evaluation of physiological and biochemical aberration linked to effect of sodium dodecyl sulphate on barley seedlings. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	1
1597	Limited irrigation influence on rotation yield, water use, and wheat traits. <i>Agronomy Journal</i> , 2020, 112, 241-256.	0.9	10
1598	Non-structural carbohydrate dynamics associated with antecedent stem water potential and air temperature in a dominant desert shrub. <i>Plant, Cell and Environment</i> , 2020, 43, 1467-1483.	2.8	28
1599	Developing Climate-Resilient Chickpea Involving Physiological and Molecular Approaches With a Focus on Temperature and Drought Stresses. <i>Frontiers in Plant Science</i> , 2019, 10, 1759.	1.7	107
1600	Comparisons of Chlorophyll Fluorescence and Physiological Characteristics of Wheat Seedlings Influenced by Iso-Osmotic Stresses from Polyethylene Glycol and Sodium Chloride. <i>Agronomy</i> , 2020, 10, 325.	1.3	5
1601	Effect of Arbuscular Mycorrhizal Fungi (AMF) and Plant Growth-Promoting Bacteria (PGPR) Inoculations on <i>Elaeagnus angustifolia</i> L. in Saline Soil. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 945.	1.3	50
1602	Effect of Low Temperature on Chlorophyll Biosynthesis and Chloroplast Biogenesis of Rice Seedlings during Greening. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1390.	1.8	83
1603	Physiological and Transcriptome Profiling Analyses Reveal Important Roles of Coronatine in Improving Drought Tolerance of Tobacco. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 1346-1358.	2.8	14
1604	Stomatal limitations to photosynthesis and their critical Water conditions in different growth stages of maize under water stress. <i>Agricultural Water Management</i> , 2020, 241, 106330.	2.4	53
1605	Drought Stress Response in Agricultural Plants: A Case Study of Common Bean (<i>Phaseolus</i>)	1.7	50
1606	Functional and Structural Leaf Plasticity Determine Photosynthetic Performances during Drought Stress and Recovery in Two <i>Platanus orientalis</i> Populations from Contrasting Habitats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3912.	1.8	20
1607	What is the Difference between the Response of Grass Pea (<i>Lathyrus sativus</i> L.) to Salinity and Drought Stress? A Physiological Study. <i>Agronomy</i> , 2020, 10, 833.	1.3	28
1608	Expansin gene TaEXPA2 positively regulates drought tolerance in transgenic wheat (<i>Triticum aestivum</i>)	1.7	47
1609	A Development-Associated Decrease in Osmotic Potential Contributes to Fruit Ripening Initiation in Strawberry (<i>Fragaria ananassa</i>). <i>Frontiers in Plant Science</i> , 2020, 11, 1035.	1.7	11
1610	Drought-induced alterations in photosynthetic, ultrastructural and biochemical traits of contrasting sugarcane genotypes. <i>PLoS ONE</i> , 2020, 15, e0235845.	1.1	31

#	ARTICLE	IF	CITATIONS
1611	Biochar addition alleviate the negative effects of drought and salinity stress on soybean productivity and water use efficiency. <i>BMC Plant Biology</i> , 2020, 20, 288.	1.6	45
1612	Responses of ajowan (<i>Trachyspermum ammi</i> L.) to exogenous salicylic acid and iron oxide nanoparticles under salt stress. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36939-36953.	2.7	75
1613	The Barley S-Adenosylmethionine Synthetase 3 Gene HvSAMS3 Positively Regulates the Tolerance to Combined Drought and Salinity Stress in Tibetan Wild Barley. <i>Cells</i> , 2020, 9, 1530.	1.8	20
1614	Resilient and Sensitive Key Points of the Photosynthetic Machinery of <i>Coffea</i> spp. to the Single and Superimposed Exposure to Severe Drought and Heat Stresses. <i>Frontiers in Plant Science</i> , 2020, 11, 1049.	1.7	31
1615	The photosynthesis game is in the "inter-play": Mechanisms underlying CO ₂ diffusion in leaves. <i>Environmental and Experimental Botany</i> , 2020, 178, 104174.	2.0	28
1616	Impacts of drought stress on the morphology, physiology, and sugar content of Lanzhou lily (<i>Lilium</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	26
1617	A sucrose non-fermenting-1-related protein kinase-1 gene, IbSnRK1, confers salt, drought and cold tolerance in sweet potato. <i>Crop Journal</i> , 2020, 8, 905-917.	2.3	8
1618	Exogenously Applied Ascorbic Acid-Mediated Changes in Osmoprotection and Oxidative Defense System Enhanced Water Stress Tolerance in Different Cultivars of Safflower (<i>Carthamus tinctorious</i> L.). <i>Plants</i> , 2020, 9, 104.	1.6	88
1619	Growth, water productivity, nutritive value, and physiology responses of silage corn to water stress. <i>Agronomy Journal</i> , 2020, 112, 1625-1635.	0.9	5
1620	Exogenous melatonin mitigates the salinity damages and improves the growth of pistachio under salinity stress. <i>Journal of Plant Nutrition</i> , 2020, 43, 1468-1484.	0.9	39
1621	<i>OsRuvB</i> transgene induces salt tolerance in pigeon pea. <i>Journal of Plant Interactions</i> , 2020, 15, 17-26.	1.0	10
1622	Functional relationships between aboveground and belowground spinach (<i>Spinacia oleracea</i> L., cv.) Tj ETQq1 1 0.784314 rgBT /Overlo	3.9	16
1623	The induction of salt stress tolerance by jasmonic acid treatment in roselle (<i>Hibiscus sabdariffa</i> L.) seedlings through enhancing antioxidant enzymes activity and metabolic changes. <i>Biologia (Poland)</i> , 2020, 75, 681-692.	0.8	23
1624	Responses of leaf gas exchange rate to acute soil drying in <i>Jatropha curcas</i> L. <i>Plant Production Science</i> , 2020, 23, 333-342.	0.9	1
1625	Soil water deficit promotes the effect of atmospheric water deficit on solar-induced chlorophyll fluorescence. <i>Science of the Total Environment</i> , 2020, 720, 137408.	3.9	14
1626	Strategies for severe drought survival and recovery in a Pyrenean relict species. <i>Physiologia Plantarum</i> , 2020, 169, 276-290.	2.6	4
1627	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
1628	The Impact of Environmental Stress on Bt Crop Performance. <i>Trends in Plant Science</i> , 2020, 25, 264-278.	4.3	14

#	ARTICLE	IF	CITATIONS
1629	Photosynthetic Metabolism under Stressful Growth Conditions as a Bases for Crop Breeding and Yield Improvement. <i>Plants</i> , 2020, 9, 88.	1.6	95
1630	Single and combined effects of heat and water stress and recovery on cotton (<i>Gossypium hirsutum</i> L.) leaf physiology and sucrose metabolism. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 166-179.	2.8	51
1631	Plant-Growth Promoting <i>Bacillus oryzicola</i> YC7007 Modulates Stress-Response Gene Expression and Provides Protection From Salt Stress. <i>Frontiers in Plant Science</i> , 2019, 10, 1646.	1.7	34
1632	“Help is in the air” volatiles from salt-stressed plants increase the reproductive success of receivers under salinity. <i>Planta</i> , 2020, 251, 48.	1.6	24
1633	Induction of drought tolerance in tomato upon the application of ACC deaminase producing plant growth promoting rhizobacterium <i>Bacillus subtilis</i> Rhizo SF 48. <i>Microbiological Research</i> , 2020, 234, 126422.	2.5	80
1634	Evaluation of biochar pyrolyzed from kitchen waste, corn straw, and peanut hulls on immobilization of Pb and Cd in contaminated soil. <i>Environmental Pollution</i> , 2020, 261, 114133.	3.7	79
1635	Maintaining a constant soil moisture level can enhance the growth and phenolic content of sweet basil better than fluctuating irrigation. <i>Agricultural Water Management</i> , 2020, 238, 106203.	2.4	21
1636	Arbuscular mycorrhiza induced putrescine degradation into β -aminobutyric acid, malic acid accumulation, and improvement of nitrogen assimilation in roots of water-stressed maize plants. <i>Mycorrhiza</i> , 2020, 30, 329-339.	1.3	36
1637	Selenium and Salt Interactions in Black Gram (<i>Vigna mungo</i> L): Ion Uptake, Antioxidant Defense System, and Photochemistry Efficiency. <i>Plants</i> , 2020, 9, 467.	1.6	36
1638	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
1639	Simulating the effects of water limitation on plant biomass using a 3D functional structural plant model of shoot and root driven by soil hydraulics. <i>Annals of Botany</i> , 2020, 126, 713-728.	1.4	13
1640	N, P and K stoichiometry and resorption efficiency of nine dominant shrub species in the deserts of Xinjiang, China. <i>Ecological Research</i> , 2020, 35, 625-637.	0.7	9
1641	Comparing Salt Tolerance at Seedling and Germination Stages in Local Populations of <i>Medicago ciliaris</i> L. to <i>Medicago intertexta</i> L. and <i>Medicago scutellata</i> L.. <i>Plants</i> , 2020, 9, 526.	1.6	45
1642	Regulation of drought stress in plants. , 2020, , 77-104.		14
1643	Impact of drought and heat stress individually and in combination on physio-biochemical parameters, antioxidant responses, and gene expression in <i>Solanum lycopersicum</i> . <i>3 Biotech</i> , 2020, 10, 208.	1.1	144
1644	Photosynthetic activity and RAPD profile of polyethylene glycol treated <i>B. juncea</i> L. under nitric oxide and abscisic acid application. <i>Journal of Biotechnology</i> , 2020, 313, 29-38.	1.9	15
1645	The excess of phosphorus in soil reduces physiological performances over time but enhances prompt recovery of salt-stressed <i>Arundo donax</i> plants. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 556-565.	2.8	19
1646	Drought priming effects on alleviating the photosynthetic limitations of wheat cultivars (<i>Triticum aestivum</i> L.) with contrasting tolerance to abiotic stresses. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 651-664.	1.7	17

#	ARTICLE	IF	CITATIONS
1647	Arbuscular mycorrhiza influences carbon use efficiency and grain yield of wheat grown under pre- and post-anthesis salinity stress. <i>Plant Biology</i> , 2020, 22, 863-871.	1.8	26
1648	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
1649	<i>Leymus chinensis</i> Tolerates Mowing Disturbance by Maintaining Photosynthesis in Saline-Alkali Heterogeneous Habitats. <i>Journal of Sensors</i> , 2020, 2020, 1-10.	0.6	2
1650	Arbuscular mycorrhizal fungi (AMF) enhance the tolerance of <i>Euonymus maackii</i> Rupr. at a moderate level of salinity. <i>PLoS ONE</i> , 2020, 15, e0231497.	1.1	39
1651	Comparative Transcriptome Analysis of Halophyte <i>Zoysia macrostachya</i> in Response to Salinity Stress. <i>Plants</i> , 2020, 9, 458.	1.6	22
1652	Growth and physio-biochemical responses of maize (<i>Zea mays</i> L.) to drought and heat stresses. <i>Plant Biosystems</i> , 2021, 155, 535-542.	0.8	35
1653	Non-stomatal limitation of photosynthesis by soil salinity. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 791-825.	6.6	129
1654	Combined effect of deficit irrigation with saline water affects gas exchange, phytochemical profiles, antioxidant activities and grain yield of barley landraces <i>Ardhaoui</i> at heading stage. <i>Plant Biosystems</i> , 2021, 155, 436-446.	0.8	4
1655	Protective Mechanism Triggered by Pigeonpea Plants Exposed to Water Deficit: Modifications Linked to Paraheliotropism, Stomatal Characteristics and Antioxidant Enzymes. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 20-36.	2.8	1
1656	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
1658	Detecting drought-induced GPP spatiotemporal variabilities with sun-induced chlorophyll fluorescence during the 2009/2010 droughts in China. <i>Ecological Indicators</i> , 2021, 121, 107092.	2.6	40
1659	Acetic acid improves drought acclimation in soybean: an integrative response of photosynthesis, osmoregulation, mineral uptake and antioxidant defense. <i>Physiologia Plantarum</i> , 2021, 172, 334-350.	2.6	41
1660	Parameterization of the water stress reduction function based on soil-plant water relations. <i>Irrigation Science</i> , 2021, 39, 101-122.	1.3	10
1661	HKT sodium and potassium transporters in <i>Arabidopsis thaliana</i> and related halophyte species. <i>Physiologia Plantarum</i> , 2021, 171, 546-558.	2.6	50
1662	Exogenous Application of Melatonin Induces Tolerance to Salt Stress by Improving the Photosynthetic Efficiency and Antioxidant Defense System of Maize Seedling. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1270-1283.	2.8	67
1663	Overexpression of <i>AtNAC1</i> from recretohalophyte <i>Aeluropus lagopoides</i> alleviates drought stress in transgenic tobacco. <i>Environmental and Experimental Botany</i> , 2021, 181, 104277.	2.0	4
1664	Drought priming improved water status, photosynthesis and water productivity of cowpea during post-anthesis drought stress. <i>Agricultural Water Management</i> , 2021, 245, 106565.	2.4	32
1665	Plant survival under drought stress: Implications, adaptive responses, and integrated rhizosphere management strategy for stress mitigation. <i>Microbiological Research</i> , 2021, 242, 126626.	2.5	170

#	ARTICLE	IF	CITATIONS
1666	Functional characterization and expression profiling of glyoxalase <sc>III</sc> genes in date palm grown under abiotic stresses. <i>Physiologia Plantarum</i> , 2021, 172, 780-794.	2.6	9
1667	Contrasting photosynthesis, photoinhibition and oxidative damage in honeysuckle (<i>Lonicera japonica</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS	2.0	32
1668	Synergistic consequences of salinity and potassium deficiency in quinoa: Linking with stomatal patterning, ionic relations and oxidative metabolism. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 17-27.	2.8	27
1669	Ecophysiology of <i>Pilocarpus microphyllus</i> in response to temperature, water availability and vapour pressure deficit. <i>Trees - Structure and Function</i> , 2021, 35, 543-555.	0.9	4
1670	Substrate composition affects the development of water stress and subsequent recovery by inducing physiological changes in <i>Cistus albidus</i> plants. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 125-135.	2.8	6
1671	Biochemical modulations in a Ñ-palm (<i>Euterpe oleracea</i> Mart.) under vegetative stages in an agroforestry system of the Amazon. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 76-87.	1.1	1
1672	Increased soybean tolerance to water deficiency through biostimulant based on fulvic acids and <i>Ascophyllum nodosum</i> (L.) seaweed extract. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 228-243.	2.8	39
1673	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
1674	Remobilization of leaf Na ⁺ content and use of nonstructural carbohydrates vary depending on the time when salt stress begins in woody species. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 385-395.	2.8	5
1675	Interactive effects of salinity and drought stress on photosynthetic characteristics and physiology of tomato (<i>Lycopersicon esculentum</i> L.) seedlings. <i>South African Journal of Botany</i> , 2021, 137, 335-339.	1.2	64
1676	Gamma-aminobutyric acid (GABA) and acetylcholine (ACh) alleviate water deficit effects in soybean: From gene expression up to growth performance. <i>Environmental and Experimental Botany</i> , 2021, 182, 104303.	2.0	4
1677	How does drought affect native grassesâ€™ photosynthesis on the revegetation of iron ore tailings?. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14797-14811.	2.7	15
1678	Amelioration of salt stress tolerance in rapeseed (<i>Brassica napus</i>) cultivars by seed inoculation with <i>Arthrobacter globiformis</i> . <i>Plant Biosystems</i> , 2021, , 1-14.	0.8	14
1679	Morpho-physiological, biochemical and isotopic response of tall wheatgrass populations to salt stress. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 236-248.	1.7	3
1680	Combined effects of water stress and salinity on growth, physiological, and biochemical traits in two walnut genotypes. <i>Physiologia Plantarum</i> , 2021, 172, 176-187.	2.6	20
1681	Glyphosate hormesis mitigates the effect of water deficit in safflower (<sc><i>Carthamus</i></sc>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS	1.7	16
1682	Relationship between physiological and biochemical measurements with spectral reflectance for two <i>Phaseolus vulgaris</i> L. genotypes under multiple stress. <i>International Journal of Remote Sensing</i> , 2021, 42, 1230-1249.	1.3	6
1683	Effects of simulated drought stress on carotenoid contents and expression of related genes in carrot taproots. <i>Protoplasma</i> , 2021, 258, 379-390.	1.0	33

#	ARTICLE	IF	CITATIONS
1684	Influence of salt stress on C ₄ photosynthesis in <i>Miscanthus sinensis</i> Andersson. <i>Plant Biology</i> , 2021, 23, 44-56.	1.8	15
1685	Advances on plant salinity stress responses in the post-genomic era: a review. <i>Journal of Crop Science and Biotechnology</i> , 2021, 24, 117-126.	0.7	9
1686	Flower and pod genes involved in soybean sensitivity to drought. <i>Journal of Plant Interactions</i> , 2021, 16, 187-200.	1.0	5
1687	Rhizosphere plant-microbe interactions under water stress. <i>Advances in Applied Microbiology</i> , 2021, 115, 65-113.	1.3	27
1688	<i>Pseudomonas</i> as Plant Growth-Promoting Bacteria and Its Role in Alleviation of Abiotic Stress. , 2021, , 157-185.		2
1689	Responses of leaf photosynthetic traits, water use efficiency, and water relations in five urban shrub tree species under drought stress and recovery. <i>Trees - Structure and Function</i> , 2023, 37, 53-67.	0.9	8
1690	Gas exchange, growth, and quality of passion fruit seedlings cultivated with saline water. <i>Semina: Ciencias Agrarias</i> , 2021, 42, 137-154.	0.1	1
1691	Effects of Soil Water Deficit on Carbon Metabolism of Plants: A Review. , 2021, , 99-192.		0
1692	Setting the context: Agriculture and crop/food sustainability. , 2021, , 1-33.		0
1693	Growth regulation of <i>Desmostachya bipinnata</i> by organ-specific biomass, water relations, and ion allocation responses to improve salt resistance. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	4
1694	Ecophysiological Strategies of <i>Cedrela fissilis</i> Vell. Seedlings under Conditions of Flooding and Light Availability. <i>Journal of Sustainable Forestry</i> , 2022, 41, 783-798.	0.6	6
1695	Protection of Photosynthesis by Halotolerant <i>Staphylococcus sciuri</i> ET101 in Tomato (<i>Lycopersicon</i>) Tj ETQq1 1 0.784314 rgBT /Over Carboxylation and Oxygenation in Stress Mitigation. <i>Frontiers in Microbiology</i> , 2020, 11, 547750.	1.5	30
1696	Employment of Seed Priming as a Salt-Stress Mitigating Approach in Agriculture: Challenges and Opportunities. , 2021, , 415-432.		0
1697	Chapter 9 The Outlook for C4 Crops in Future Climate Scenarios. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 251-281.	1.0	5
1698	Stem Photosynthesisâ€”A Key Element of Grass Pea (<i>Lathyrus sativus</i> L.) Acclimatisation to Salinity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 685.	1.8	23
1699	A dynamic biomass model of emergent aquatic vegetation under different water levels and salinity. <i>Ecological Modelling</i> , 2021, 440, 109398.	1.2	7
1700	Deciphering fungal endophytes combating abiotic stresses in crop plants (cereals and vegetables). , 2021, , 131-147.		1
1701	Effects of Salinity and Arbuscular Mycorrhizal Fungi (AMF) on Root Growth Development and Productivity of Chia (<i>Salvia hispanica</i> L.), a Promising Salt-Tolerant Crop, Under Mediterranean Conditions. , 2021, , 2039-2068.		0

#	ARTICLE	IF	CITATIONS
1702	Norway Spruce Seedlings from an Eastern Baltic Provenance Show Tolerance to Simulated Drought. <i>Forests</i> , 2021, 12, 82.	0.9	7
1703	Genetic response of growth phases for abiotic environmental stress tolerance in cereal crop plants. <i>Genetika</i> , 2021, 53, 419-456.	0.1	7
1704	Upland rice: phenotypic diversity for drought tolerance. <i>Scientia Agricola</i> , 2021, 78, .	0.6	10
1705	Eco-physiological evaluation of multipurpose tree species to ameliorate saline soils. <i>International Journal of Phytoremediation</i> , 2021, 23, 969-981.	1.7	3
1706	Effect of sodium chloride on the expression of genes involved in the salt tolerance of <i>Bacillus</i> sp. strain "SX4" isolated from salinized greenhouse soil. <i>Open Chemistry</i> , 2021, 19, 9-22.	1.0	3
1707	Effect of Soil Water Deficits on Plant-Water Relationship: A Review. , 2021, , 1-98.		2
1708	Role of Plant Growth Hormones During Soil Water Deficit: A Review. , 2021, , 489-583.		2
1709	Label-Free Quantitative Proteomics Analysis in Susceptible and Resistant <i>Brassica napus</i> Cultivars Infected with <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Microorganisms</i> , 2021, 9, 253.	1.6	5
1710	Improved physiological performance in grapevine (<i>Vitis vinifera</i> L.) cv. Cabernet Sauvignon facing recurrent drought stress. <i>Australian Journal of Grape and Wine Research</i> , 2021, 27, 258-268.	1.0	16
1711	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
1712	The Harsh Environment and Resilient Plants: An Overview. , 2021, , 1-23.		3
1713	Biotechnological Approaches for Enhancing Stress Tolerance in Legumes. <i>Sustainable Agriculture Reviews</i> , 2021, , 247-293.	0.6	3
1715	Optimizing Sensor-Based Irrigation Management in a Soilless Vertical Farm for Growing Microgreens. <i>Frontiers in Sustainable Food Systems</i> , 2021, 4, .	1.8	18
1716	Photosynthetic Adaptations and Oxidative Stress Tolerance in Halophytes from Warm Subtropical Region. , 2021, , 1515-1545.		0
1717	Chapter 3 Mesophyll Conductance to CO ₂ Diffusion in a Climate Change Scenario: Effects of Elevated CO ₂ , Temperature and Water Stress. <i>Advances in Photosynthesis and Respiration</i> , 2021, , 49-78.	1.0	6
1718	Mechanisms Regulating the Dynamics of Photosynthesis Under Abiotic Stresses. <i>Frontiers in Plant Science</i> , 2020, 11, 615942.	1.7	141
1719	Overexpression of rice F-box phloem protein gene OsPP12-A13 confers salinity tolerance in Arabidopsis. <i>Biocell</i> , 2021, 45, 1121-1135.	0.4	5
1720	Prospects of PGPR-Mediated Antioxidants and S and P Metabolism in Plants Under Drought Stress. , 2021, , 499-549.		1

#	ARTICLE	IF	CITATIONS
1721	Apple MdSAT1 encodes a bHLHm1 transcription factor involved in salinity and drought responses. <i>Planta</i> , 2021, 253, 46.	1.6	19
1722	Ethylene and Sulfur Coordinately Modulate the Antioxidant System and ABA Accumulation in Mustard Plants under Salt Stress. <i>Plants</i> , 2021, 10, 180.	1.6	50
1723	Micromorphology and monolignols of leaf epidermis in <i>Phragmites australis</i> (Poaceae) of air-aquatic and terrestrial ecotypes. <i>Protoplasma</i> , 2021, 258, 949-961.	1.0	1
1724	Application of Phenotyping Methods in Detection of Drought and Salinity Stress in Basil (<i>Ocimum</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	1.7	32
1726	Effect of Drought Stress on Photosynthetic Parameters and Gene Expression in <i>Brassica juncea</i> L. (Czern. and Coss.). <i>International Journal of Current Microbiology and Applied Sciences</i> , 2021, 10, 550-570.	0.0	0
1727	Drought-induced responses on physiological performance in cluster bean [<i>Cyamopsis tetragonoloba</i> (L.) Taub.]. <i>Plant Physiology Reports</i> , 2021, 26, 49-63.	0.7	16
1728	Restructuring the Cellular Responses: Connecting Microbial Intervention With Ecological Fitness and Adaptiveness to the Maize (<i>Zea mays</i> L.) Grown in Salineâ€Sodic Soil. <i>Frontiers in Microbiology</i> , 2020, 11, 568325.	1.5	20
1729	Identification and Functional Analysis of Two Purple Acid Phosphatases AtPAP17 and AtPAP26 Involved in Salt Tolerance in <i>Arabidopsis thaliana</i> Plant. <i>Frontiers in Plant Science</i> , 2020, 11, 618716.	1.7	12
1730	Plant-Based Protein Hydrolysate Improves Salinity Tolerance in Hemp: Agronomical and Physiological Aspects. <i>Agronomy</i> , 2021, 11, 342.	1.3	42
1731	Enhancement of <i>Brassica napus</i> Tolerance to High Saline Conditions by Seed Priming. <i>Plants</i> , 2021, 10, 403.	1.6	15
1732	Maize transcription factor ZmEREB20 enhanced salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 159, 257-267.	2.8	28
1733	A Beginnerâ€™s Guide to Osmoprotection by Biostimulants. <i>Plants</i> , 2021, 10, 363.	1.6	20
1734	Plasticity in structural and functional traits associated with photosynthesis in <i>Fimbristylis complanata</i> (Retz.) Link. under salt stress. <i>Pakistan Journal of Botany</i> , 2021, 53, .	0.2	5
1735	Drought effects on photosynthetic parameters, gas exchanges and water use efficiency in almond cultivars on different rootstocks. <i>Plant Physiology Reports</i> , 2021, 26, 95-108.	0.7	4
1736	Investigation of improving the drought tolerance in persian petunia (<i>Petunia</i> sp.) by exogenous application of salicylic acid and gibberellic acid. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2021, 20, 37-48.	0.3	1
1737	Effects of Node Position and Electric Conductivity of Nutrient Solution on Adventitious Rooting of <i>Nasturtium</i> (<i>Tropaeolum majus</i> L.) Cuttings. <i>Agronomy</i> , 2021, 11, 363.	1.3	2
1738	The impact of different Zinc (Zn) levels on growth and nutrient uptake of Basil (<i>Ocimum basilicum</i> L.) grown under salinity stress. <i>PLoS ONE</i> , 2021, 16, e0246493.	1.1	46
1739	Comparative analysis of drought-responsive and -adaptive genes in Chinese wingnut (<i>Pterocarya</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	2

#	ARTICLE	IF	CITATIONS
1740	Calcium-dependent protein kinase 2 plays a positive role in the salt stress response in potato. <i>Plant Cell Reports</i> , 2022, 41, 535-548.	2.8	14
1741	Chloride nutrition improves drought resistance by enhancing water deficit avoidance and tolerance mechanisms. <i>Journal of Experimental Botany</i> , 2021, 72, 5246-5261.	2.4	12
1742	Partial Substitution of K by Na Alleviates Drought Stress and Increases Water Use Efficiency in <i>Eucalyptus</i> Species Seedlings. <i>Frontiers in Plant Science</i> , 2021, 12, 632342.	1.7	8
1743	Salt stress of two rice varieties: root border cell response and multi-logistic quantification. <i>Protoplasma</i> , 2021, 258, 1119-1131.	1.0	11
1744	Nanoparticles potentially mediate salt stress tolerance in plants. <i>Plant Physiology and Biochemistry</i> , 2021, 160, 257-268.	2.8	124
1745	Using wild relatives and related species to build climate resilience in Brassica crops. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1711-1728.	1.8	37
1746	Photosynthetic activity of <i>Triticum dicoccum</i> Å— <i>Triticum aestivum</i> alloplasmic lines during vegetation in connection with productivity traits under varying moister conditions. <i>Photosynthetica</i> , 2021, 59, 74-83.	0.9	5
1747	Lima Bean Growth, Leaf Stomatal and Nonstomatal Limitations to Photosynthesis, and ¹³ C Discrimination in Response to Saline Irrigation. <i>Journal of the American Society for Horticultural Science</i> , 2021, 146, 132-144.	0.5	2
1748	Root system of <i>Medicago sativa</i> and <i>Medicago truncatula</i> : drought effects on carbon metabolism. <i>Plant and Soil</i> , 2021, 463, 249-263.	1.8	5
1749	Contrasting Rootstock-Mediated Growth and Yield Responses in Salinized Pepper Plants (<i>Capsicum</i>) Tj ETQq1 1 0.784314 rgBT /Over bo <i>Sciences</i> , 2021, 22, 3297.	1.8	12
1750	Day and Night Fluctuations in GABA Biosynthesis Contribute to Drought Responses in <i>Nicotiana glauca</i> L. <i>Plant Signaling and Behavior</i> , 2021, 16, 1899672.	1.2	4
1751	Recycled Wastewater and Reverse Osmosis Brine Use for Halophytes Irrigation: Differences in Physiological, Nutritional and Hormonal Responses of <i>Crithmum maritimum</i> and <i>Atriplex halimus</i> Plants. <i>Agronomy</i> , 2021, 11, 627.	1.3	12
1752	Drought Intensity-Responsive Salicylic Acid and Abscisic Acid Crosstalk with the Sugar Signaling and Metabolic Pathway in <i>Brassica napus</i> . <i>Plants</i> , 2021, 10, 610.	1.6	20
1753	Identification of Drought-Tolerant Co-canes Based on Physiological Traits, Yield Attributes and Drought Tolerance Indices. <i>Sugar Tech</i> , 2021, 23, 747-761.	0.9	19
1754	The apple palmitoyltransferase MdPAT16 influences sugar content and salt tolerance via an MdCBL1â€“MdCIPK13â€“MdSUT2.2 pathway. <i>Plant Journal</i> , 2021, 106, 689-705.	2.8	17
1755	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
1756	Wide-precision planting pattern under different tillage methods affects photosynthesis and yield of winter wheat. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 1352-1368.	1.3	6
1757	A Plant Based Modified Biostimulant (Copper Chlorophyllin), Mediates Defense Response in <i>Arabidopsis thaliana</i> under Salinity Stress. <i>Plants</i> , 2021, 10, 625.	1.6	11

#	ARTICLE	IF	CITATIONS
1758	Advances in Wheat Physiology in Response to Drought and the Role of Plant Growth Promoting Rhizobacteria to Trigger Drought Tolerance. <i>Microorganisms</i> , 2021, 9, 687.	1.6	54
1759	Full-Length Transcriptome Sequencing and Comparative Transcriptome Analysis to Evaluate Drought and Salt Stress in <i>Iris lactea</i> var. <i>chinensis</i> . <i>Genes</i> , 2021, 12, 434.	1.0	14
1760	Photosynthetic resistance and resilience under drought, flooding and rewatering in maize plants. <i>Photosynthesis Research</i> , 2021, 148, 1-15.	1.6	31
1761	Heterosis effects on photosynthesis of upland cotton (<i>Gossypium hirsutum</i>) hybrid cultivars. <i>Photosynthetica</i> , 2021, 59, 106-115.	0.9	2
1762	Scrutinizing the impact of water deficit in plants: Transcriptional regulation, signaling, photosynthetic efficacy, and management. <i>Physiologia Plantarum</i> , 2021, 172, 935-962.	2.6	26
1763	Synonymous mutation in <i>Growth Regulating Factor 15</i> of miR396a target sites enhances photosynthetic efficiency and heat tolerance in poplar. <i>Journal of Experimental Botany</i> , 2021, 72, 4502-4519.	2.4	18
1764	Potassium supply promotes the mitigation of NaCl-induced effects on leaf photochemistry, metabolism and morphology of <i>Setaria viridis</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 160, 193-210.	2.8	8
1765	Plant SWEETs: from sugar transport to plant-pathogen interaction and more unexpected physiological roles. <i>Plant Physiology</i> , 2021, 186, 836-852.	2.3	90
1766	Effects of Limited Irrigation on Forage Yield, Nutritive Value and Water Use Efficiency of Persian Clover (<i>Trifolium Resupinatum</i>) Compared to Berseem Clover (<i>Trifolium Alexandrinum</i>). <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 1927-1942.	0.6	12
1767	Linking exogenous foliar application of glycine betaine and stomatal characteristics with salinity stress tolerance in cotton (<i>Gossypium hirsutum</i> L.) seedlings. <i>BMC Plant Biology</i> , 2021, 21, 146.	1.6	30
1769	Optimal carbon partitioning helps reconcile the apparent divergence between optimal and observed canopy profiles of photosynthetic capacity. <i>New Phytologist</i> , 2021, 230, 2246-2260.	3.5	11
1770	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
1771	Physiological changes of three woody plants exposed to progressive salt stress. <i>Photosynthetica</i> , 2021, 59, 171-184.	0.9	9
1772	Cuticle permeability is an important parameter for the trade-off strategy between drought tolerance and CO ₂ uptake in land plants. <i>Plant Signaling and Behavior</i> , 2021, 16, 1908692.	1.2	4
1773	Physiological and biochemical responses of Kinnow mandarin grafted on diploid and tetraploid Volkamer lemon rootstocks under different water-deficit regimes. <i>PLoS ONE</i> , 2021, 16, e0247558.	1.1	15
1774	Polyphasic OKJIP Chlorophyll a Fluorescence Transient in a Landrace and a Commercial Cultivar of Sweet Pepper (<i>Capsicum annum</i> , L.) under Long-Term Salt Stress. <i>Plants</i> , 2021, 10, 887.	1.6	19
1775	Effect of Exogenous Melatonin on the Quality of Soybean and Natto Products under Drought Stress. <i>Journal of Chemistry</i> , 2021, 2021, 1-8.	0.9	7
1776	Salinity Stress Affects Photosynthesis, Malondialdehyde Formation, and Proline Content in <i>Portulaca oleracea</i> L.. <i>Plants</i> , 2021, 10, 845.	1.6	97

#	ARTICLE	IF	CITATIONS
1777	Uncovering salt tolerance mechanisms in pepper plants: a physiological and transcriptomic approach. <i>BMC Plant Biology</i> , 2021, 21, 169.	1.6	11
1778	Overexpression of MdATG8i improves water use efficiency in transgenic apple by modulating photosynthesis, osmotic balance, and autophagic activity under moderate water deficit. <i>Horticulture Research</i> , 2021, 8, 81.	2.9	30
1780	Divergent responses of ecosystem water use efficiency to drought timing over Northern Eurasia. <i>Environmental Research Letters</i> , 2021, 16, 045016.	2.2	19
1781	Root endophytic fungus <i>Serendipita indica</i> modulates barley leaf blade proteome by increasing the abundance of photosynthetic proteins in response to salinity. <i>Journal of Applied Microbiology</i> , 2021, 131, 1870-1889.	1.4	15
1782	Nanoparticles enhances the salinity toxicity tolerance in <i>Linum usitatissimum</i> L. by modulating the antioxidative enzymes, photosynthetic efficiency, redox status and cellular damage. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 112020.	2.9	52
1784	Structural features of vegetative organs in some <i>Ficus carica</i> L. cultivars cultured in vitro. <i>Acta Horticulturae</i> , 2021, , 47-52.	0.1	0
1785	Emergência e a forma inicial de plântulas de <i>Cenostigma pyramidale</i> (Fabaceae) sob estresse salino. <i>Research, Society and Development</i> , 2021, 10, e18910514870.	0.0	1
1786	Using Spectral Reflectance to Estimate the Leaf Chlorophyll Content of Maize Inoculated With Arbuscular Mycorrhizal Fungi Under Water Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 646173.	1.7	29
1787	Variation in desert shrub foliar pH in relation to drought and salinity in Xinjiang, China. <i>Journal of Vegetation Science</i> , 2021, 32, e13031.	1.1	6
1788	Combining Genetic and Multidimensional Analyses to Identify Interpretive Traits Related to Water Shortage Tolerance as an Indirect Selection Tool for Detecting Genotypes of Drought Tolerance in Wheat Breeding. <i>Plants</i> , 2021, 10, 931.	1.6	15
1789	Biochar-compost addition benefits <i>Phragmites australis</i> growth and soil property in coastal wetlands. <i>Science of the Total Environment</i> , 2021, 769, 145166.	3.9	20
1790	Photosynthetic Antenna Size Regulation as an Essential Mechanism of Higher Plants Acclimation to Biotic and Abiotic Factors: The Role of the Chloroplast Plastoquinone Pool and Hydrogen Peroxide. , 0, , .		4
1791	Water deficit in the soybean breeding. <i>Agronomy Science and Biotechnology</i> , 0, 7, 1-20.	0.3	2
1792	Silicon modulates nitrooxidative homeostasis along with the antioxidant metabolism to promote drought stress tolerance in lentil plants. <i>Physiologia Plantarum</i> , 2021, 172, 1382-1398.	2.6	15
1793	Combined Acute Ozone and Water Stress Alters the Quantitative Relationships between O ₃ Uptake, Photosynthetic Characteristics and Volatile Emissions in <i>Brassica nigra</i> . <i>Molecules</i> , 2021, 26, 3114.	1.7	4
1794	The Effects of Plant-Associated Bacterial Exopolysaccharides on Plant Abiotic Stress Tolerance. <i>Metabolites</i> , 2021, 11, 337.	1.3	118
1796	Iron Biofortification in Rice: An Update on Quantitative Trait Loci and Candidate Genes. <i>Frontiers in Plant Science</i> , 2021, 12, 647341.	1.7	16
1797	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

#	ARTICLE	IF	CITATIONS
1798	ThHSFA1 Confers Salt Stress Tolerance through Modulation of Reactive Oxygen Species Scavenging by Directly Regulating ThWRKY4. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5048.	1.8	9
1799	Temperature-mediated shifts in chlorophyll biosynthesis in leaves of chlorophyll b-lacking rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	0.5	9
1800	Comparative transcriptome profiling of a resistant vs susceptible bread wheat (<i>Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662 To	0.9	10
1801	Ammonium transporter PsAMT1.2 from <i>Populus simonii</i> functions in nitrogen uptake and salt resistance. <i>Tree Physiology</i> , 2021, 41, 2392-2408.	1.4	7
1802	Fertilization and seasonality influence on the photochemical performance of tree legumes in forest plantation for area recovery in the Amazon. <i>PLoS ONE</i> , 2021, 16, e0243118.	1.1	4
1803	Changes in Calcareous Soil Activity, Nutrient Availability, and Corn Productivity Due to The Integrated Effect of Straw Mulch and Irrigation Regimes. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 2020-2031.	1.7	31
1804	Dynamics of Maize Vegetative Growth and Drought Adaptability Using Image-Based Phenotyping Under Controlled Conditions. <i>Frontiers in Plant Science</i> , 2021, 12, 652116.	1.7	13
1805	Physiological responses to salinity among warmâ€season turfgrasses of contrasting salinity tolerance. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 669-678.	1.7	2
1806	Stomatal conductance of tomato leaves is regulated by both abscisic acid and leaf water potential under combined water and salt stress. <i>Physiologia Plantarum</i> , 2021, 172, 2070-2078.	2.6	40
1807	Physiological and morphological traits associated with germinative and reproductive stage of garden orache (<i>A. hortensis</i> L. var. <i>rubra</i>) under water stress. <i>Chemical and Biological Technologies in Agriculture</i> , 2021, 8, .	1.9	0
1808	Effect of <i>Pisolithus tinctorius</i> on Physiological and Hormonal Traits in <i>Cistus</i> Plants to Water Deficit: Relationships among Water Status, Photosynthetic Activity and Plant Quality. <i>Plants</i> , 2021, 10, 976.	1.6	3
1809	EFFECTS OF SALINITY ON GROWTH AND PROLINE CONTENT ON BEAN AND ALFALFA. <i>Journal of Applied Life Sciences and Environment</i> , 2021, 186, 132-145.	0.1	1
1810	Yield stability of contrasting orchardgrass (<i>Dactylis glomerata</i> L.) genotypes over the years and water regimes. <i>Euphytica</i> , 2021, 217, 1.	0.6	1
1811	Contribution of functional genomics to identify the genetic basis of waterâ€deficit tolerance in barley and the related molecular mechanisms. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 913-935.	1.7	3
1812	Physiological and Biochemical Traits of Two Major <i>Arabidopsis</i> Accessions, Col-0 and Ws, Under Salinity. <i>Frontiers in Plant Science</i> , 2021, 12, 639154.	1.7	8
1813	Primary Metabolite Profile Changes in <i>Coffea</i> spp. Promoted by Single and Combined Exposure to Drought and Elevated CO ₂ Concentration. <i>Metabolites</i> , 2021, 11, 427.	1.3	15
1814	Different strategies lead to a common outcome: different water-deficit scenarios highlight physiological and biochemical strategies of water-deficit tolerance in diploid versus tetraploid Volkamer lemon. <i>Tree Physiology</i> , 2021, 41, 2359-2374.	1.4	19
1815	Detection of the metabolic response to drought stress using hyperspectral reflectance. <i>Journal of Experimental Botany</i> , 2021, 72, 6474-6489.	2.4	23

#	ARTICLE	IF	CITATIONS
1816	Comparative proteomic approach to study the salinity effect on the growth of two contrasting quinoa genotypes. <i>Plant Physiology and Biochemistry</i> , 2021, 163, 215-229.	2.8	11
1817	Investigating the Drought and Salinity Effect on the Redox Components of <i>Sulla coronaria</i> (L.) Medik. Antioxidants, 2021, 10, 1048.	2.2	26
1818	Transcriptome Analysis of Tolerant and Susceptible Maize Genotypes Reveals Novel Insights about the Molecular Mechanisms Underlying Drought Responses in Leaves. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6980.	1.8	36
1819	Integrating chlorophyll fluorescence parameters into a crop model improves growth prediction under severe drought. <i>Agricultural and Forest Meteorology</i> , 2021, 303, 108367.	1.9	13
1820	Estimating stomatal conductance and evapotranspiration of winter wheat using a soil-plant water relations-based stress index. <i>Agricultural and Forest Meteorology</i> , 2021, 303, 108393.	1.9	9
1821	Transcriptomic responses to drought stress among natural populations provide insights into local adaptation of weeping forsythia. <i>BMC Plant Biology</i> , 2021, 21, 273.	1.6	8
1822	Under salt stress guard cells rewire ion transport and abscisic acid signaling. <i>New Phytologist</i> , 2021, 231, 1040-1055.	3.5	23
1823	Genome-wide association analysis of drought adaptive traits in common bean. <i>Crop Science</i> , 2021, 61, 3232-3253.	0.8	11
1824	Enhancing Abiotic Stress Tolerance to Develop Climate-Smart Rice Using Holistic Breeding Approach. , 0, , .		2
1825	miRNAs: Tiny super-soldiers shaping the life of rice plants for facing "stressful" times. <i>Plant Gene</i> , 2021, 26, 100281.	1.4	2
1826	Determining the Tolerance of Selected Cassava (<i>Manihot esculenta</i> Crantz) Genotypes to Drought and Salinity using Chlorophyll, Phenol and Yield as Screening Tools. <i>International Journal of Plant & Soil Science</i> , 0, , 60-73.	0.2	0
1827	Drought tolerance in selected aerobic and upland rice varieties is driven by different metabolic and antioxidative responses. <i>Planta</i> , 2021, 254, 13.	1.6	9
1828	A Review on Plant Responses to Salt Stress and Their Mechanisms of Salt Resistance. <i>Horticulturae</i> , 2021, 7, 132.	1.2	98
1829	Effects of K ⁺ and Ca ²⁺ supplement during fertigation on leaf gas exchange and salt tolerance of cotton at full and deficit irrigation regimes. <i>Environmental and Experimental Botany</i> , 2021, 186, 104435.	2.0	5
1830	Apple rootstock genotype affects scion responses to water limitations under field conditions. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	8
1831	Critical Leaf Water Content for Maize Photosynthesis under Drought Stress and Its Response to Rewatering. <i>Sustainability</i> , 2021, 13, 7218.	1.6	17
1832	Photosynthetic efficiency of <i>Microcystis</i> ssp. under salt stress. <i>Environmental and Experimental Botany</i> , 2021, 186, 104459.	2.0	24
1833	Meta-analysis reveals key features of the improved drought tolerance of plants overexpressing NAC transcription factors. <i>Environmental and Experimental Botany</i> , 2021, 186, 104449.	2.0	10

#	ARTICLE	IF	CITATIONS
1834	Seed priming with chitosan alleviates salinity stress by improving germination and early growth parameters in common vetch (<i>Vicia sativa</i>). IOP Conference Series: Earth and Environmental Science, 2021, 788, 012059.	0.2	11
1835	Nitrogen and phosphorus resorption of desert plants with various degree of propensity to salt in response to drought and saline stress. Ecological Indicators, 2021, 125, 107488.	2.6	12
1836	Evaluating the contribution of osmotic and oxidative stress components on barley growth under salt stress. AoB PLANTS, 2021, 13, plab034.	1.2	19
1837	Transcriptomic Analysis of Short-Term Salt-Stress Response in Mega Hybrid Rice Seedlings. Agronomy, 2021, 11, 1328.	1.3	11
1838	Exogenous melatonin ameliorates salinity-induced oxidative stress and improves photosynthetic capacity in sweet corn seedlings. Photosynthetica, 2021, 59, 327-336.	0.9	16
1839	Ethylene Supplementation Combined with Split Application of Nitrogen and Sulfur Protects Salt-Inhibited Photosynthesis through Optimization of Proline Metabolism and Antioxidant System in Mustard (<i>Brassica juncea</i> L.). Plants, 2021, 10, 1303.	1.6	20
1840	Relationship between melatonin and abscisic acid in response to salt stress of tomato. Scientia Horticulturae, 2021, 285, 110176.	1.7	37
1841	The Receptor-Like Kinase ERECTA Confers Improved Water Use Efficiency and Drought Tolerance to Poplar via Modulating Stomatal Density. International Journal of Molecular Sciences, 2021, 22, 7245.	1.8	22
1842	Physiological Response of <i>Lagerstroemia indica</i> (L.) Pers. Seedlings to Drought and Rewatering. Tropical Plant Biology, 2021, 14, 360-370.	1.0	9
1843	Alteration of Metabolites Accumulation in Maize Inbreds Leaf Tissue under Long-Term Water Deficit. Biology, 2021, 10, 694.	1.3	4
1844	Role of flavonoids and proline in the protection of photosynthetic apparatus in Paulownia under salt stress. South African Journal of Botany, 2021, 139, 246-253.	1.2	20
1845	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
1846	Antioxidant defense and secondary metabolites concentration in hyssop (<i>Hyssopus officinalis</i> L.) plants as affected by salt stress. Acta Agriculturae Slovenica, 2021, 117, 1.	0.2	2
1847	The osmolyte-producing endophyte <i>Streptomyces albidoflavus</i> OsiLf-2 induces drought and salt tolerance in rice via a multi-level mechanism. Crop Journal, 2022, 10, 375-386.	2.3	32
1848	Calcium-dependent protein kinase 32 gene maintains photosynthesis and tolerance of potato in response to salt stress. Scientia Horticulturae, 2021, 285, 110179.	1.7	13
1849	Drought and Saline Stress Tolerance Induced in Somatic Hybrids of <i>Solanum chacoense</i> and Potato Cultivars by Using Mismatch Repair Deficiency. Agriculture (Switzerland), 2021, 11, 696.	1.4	8
1850	Differences in Ionic, Enzymatic, and Photosynthetic Features Characterize Distinct Salt Tolerance in Eucalyptus Species. Plants, 2021, 10, 1401.	1.6	6
1851	Carbohydrate and Amino Acid Dynamics during Grain Growth in Four Temperate Cereals under Well-Watered and Water-Limited Regimes. Agronomy, 2021, 11, 1516.	1.3	4

#	ARTICLE	IF	CITATIONS
1852	Plasma-assisted agriculture: history, presence, and prospects—a review. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	28
1853	Photosynthetic responses of durum wheat to chemical/microbiological fertilization management under salt and drought stresses. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	21
1854	Transcriptome profiling of two rice genotypes under mild field drought stress during grain-filling stage. <i>AoB PLANTS</i> , 2021, 13, plab043.	1.2	20
1855	The Contrivance of Plant Growth Promoting Microbes to Mitigate Climate Change Impact in Agriculture. <i>Microorganisms</i> , 2021, 9, 1841.	1.6	37
1856	The Potential Application of Endophytes in Management of Stress from Drought and Salinity in Crop Plants. <i>Microorganisms</i> , 2021, 9, 1729.	1.6	70
1857	Changes in Carbon Partitioning and Pattern of Antioxidant Enzyme Activity Induced by Arginine Treatment in the Green Microalga <i>Dunaliella salina</i> Under Long-Term Salinity. <i>Microbial Ecology</i> , 2022, 84, 198-212.	1.4	7
1858	Response of Retail Lawn Seed Products during Acute Drought and Recovery. <i>HortTechnology</i> , 2021, 31, 448-457.	0.5	1
1859	Physiological and biochemical responses to water deficit and recovery of two olive cultivars (<i>Olea</i>) Tj ETQq1 1 0.784314 rgBT /Overlook Experimental Plant Physiology, 2021, 33, 369-383.	1.1	7
1860	MECHANISM OF SALT TOLERANCE IN <i>Vitex trifolia</i> linn. var. <i>simplicifolia</i> Cham: ION HOMEOSTASIS, OSMOTIC BALANCE, ANTIOXIDANT CAPACITY AND PHOTOSYNTHESIS. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2021, 20, 3-16.	0.3	1
1861	5-Aminolevulinic Acid Pretreatment Mitigates Drought and Salt Stresses in Poplar Plants. <i>Forests</i> , 2021, 12, 1112.	0.9	4
1862	Ectomycorrhizal Inoculation Enhances the Salt Tolerance of <i>Quercus mongolica</i> Seedlings. <i>Plants</i> , 2021, 10, 1790.	1.6	9
1863	Elucidating the role of silicon in drought stress tolerance in plants. <i>Plant Physiology and Biochemistry</i> , 2021, 165, 187-195.	2.8	64
1864	Changes in Photosynthesis Could Provide Important Insight into the Interaction between Wheat and Fungal Pathogens. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8865.	1.8	46
1865	Photoprotective Role of Photosynthetic and Non-Photosynthetic Pigments in <i>Phillyrea latifolia</i> : Is Their “Antioxidant” Function Prominent in Leaves Exposed to Severe Summer Drought?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8303.	1.8	11
1866	Effects of high temperature during anthesis and grain filling on physiological characteristics of winter wheat cultivars. <i>Journal of Agronomy and Crop Science</i> , 2021, 207, 823-832.	1.7	29
1867	Limiting-Stress-Elimination Hypothesis: Using Non-hormonal Biostimulant to Reduce Stress and Increase Savanna Cowpea [<i>Vigna unguiculata</i> (L.) Walp.] Productivity. <i>Frontiers in Plant Science</i> , 2021, 12, 732279.	1.7	0
1868	High-Resolution Analysis of Growth and Transpiration of Quinoa Under Saline Conditions. <i>Frontiers in Plant Science</i> , 2021, 12, 634311.	1.7	10
1869	Management of Phosphorus in Salinity-Stressed Agriculture for Sustainable Crop Production by Salt-Tolerant Phosphate-Solubilizing Bacteria—a Review. <i>Agronomy</i> , 2021, 11, 1552.	1.3	61

#	ARTICLE	IF	CITATIONS
1870	Ameliorative effect of melatonin improves drought tolerance by regulating growth, photosynthetic traits and leaf ultrastructure of maize seedlings. <i>BMC Plant Biology</i> , 2021, 21, 368.	1.6	75
1871	At the Edges of Photosynthetic Metabolic Plasticity—On the Rapidity and Extent of Changes Accompanying Salinity Stress-Induced CAM Photosynthesis Withdrawal. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8426.	1.8	10
1872	Bermudagrass CdWRKY50 gene negatively regulates plants' response to salt stress. <i>Environmental and Experimental Botany</i> , 2021, 188, 104513.	2.0	7
1873	Ca ²⁺ -CBL-CIPK: a modulator system for efficient nutrient acquisition. <i>Plant Cell Reports</i> , 2021, 40, 2111-2122.	2.8	26
1874	Physiological behavior of <i>Campomanesia xanthocarpa</i> O. Berg. seedlings under flooding and shading. <i>Semina: Ciências Agrárias</i> , 2021, 42, 3149-3166.	0.1	1
1875	Calcium amendment for improved germination, plant growth, and leaf photosynthetic electron transport in oat (<i>Avena sativa</i>) under NaCl stress. <i>PLoS ONE</i> , 2021, 16, e0256529.	1.1	6
1876	Effect of exogenous alpha-tocopherol on physio-biochemical attributes and agronomic performance of lentil (<i>Lens culinaris</i> Medik.) under drought stress. <i>PLoS ONE</i> , 2021, 16, e0248200.	1.1	30
1877	Photosynthetic Efficiency and Antioxidant Defense Potential are Key Players in Inducing Drought Tolerance in Transgenic Tobacco Plants Over-Expressing AVP1. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2653-2668.	2.8	1
1878	Dynamic changes in cell wall composition of mature sunflower leaves under distinct water regimes affect photosynthesis. <i>Journal of Experimental Botany</i> , 2021, 72, 7863-7875.	2.4	7
1879	Morphological and Physiological Response of <i>Helianthus annuus</i> L. to Drought Stress and Correlation of Wax Contents for Drought Tolerance Traits. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 6747-6761.	1.7	15
1880	Analyzing the impact of grazing and short-term irrigation management on soil mechanical strength of a volcanic ash soil under different types of pastures. <i>Soil and Tillage Research</i> , 2021, 213, 105130.	2.6	4
1881	Assessment of <i>Casuarina glauca</i> as biofiltration model of secondary treated urban wastewater: effect on growth performances and heavy metals tolerance. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 653.	1.3	2
1882	The Arabidopsis Accessions Selection Is Crucial: Insight from Photosynthetic Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9866.	1.8	5
1883	Metabolic effect of drought stress on the leaves of young oil palm (<i>Elaeis guineensis</i>) plants using UHPLC-MS and multivariate analysis. <i>Scientific Reports</i> , 2021, 11, 18271.	1.6	11
1884	Photosynthetic Physiological Characteristics of Water and Nitrogen Coupling for Enhanced High-Density Tolerance and Increased Yield of Maize in Arid Irrigation Regions. <i>Frontiers in Plant Science</i> , 2021, 12, 726568.	1.7	11
1885	Identification of C3H2C3-type RING E3 Ubiquitin ligase in grapevine and characterization of drought resistance function of VvRCHC114. <i>BMC Plant Biology</i> , 2021, 21, 422.	1.6	2
1886	Water-Stress Influences on Three New Promising HLB-Tolerant Citrus Rootstocks. <i>Horticulturae</i> , 2021, 7, 336.	1.2	11
1887	The biological approaches of altering the growth and biochemical properties of medicinal plants under salinity stress. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7201-7213.	1.7	17

#	ARTICLE	IF	CITATIONS
1888	Assessment of the Physiological Condition of Spring Barley Plants in Conditions of Increased Soil Salinity. <i>Agronomy</i> , 2021, 11, 1928.	1.3	2
1889	Morpho-Physiological Classification of Italian Tomato Cultivars (<i>Solanum lycopersicum</i> L.) According to Drought Tolerance during Vegetative and Reproductive Growth. <i>Plants</i> , 2021, 10, 1826.	1.6	10
1890	The SnRK2.10 kinase mitigates the adverse effects of salinity by protecting photosynthetic machinery. <i>Plant Physiology</i> , 2021, 187, 2785-2802.	2.3	9
1891	Effects of seed priming treatments on the germination and development of two rapeseed (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT /Overl e0257236.	1.1	35
1892	Uniform Water Potential Induced by Salt, Alkali, and Drought Stresses Has Different Impacts on the Seedling of <i>Hordeum jubatum</i> : From Growth, Photosynthesis, and Chlorophyll Fluorescence. <i>Frontiers in Plant Science</i> , 2021, 12, 733236.	1.7	9
1893	Effect of arbuscular mycorrhizal fungi on the physiological functioning of maize under zinc-deficient soils. <i>Scientific Reports</i> , 2021, 11, 18468.	1.6	43
1894	Short-term cold stress affects physiological and biochemical traits of pistachio rootstocks. <i>South African Journal of Botany</i> , 2021, 141, 90-98.	1.2	23
1895	Interactive effect of shade and PEG-induced osmotic stress on physiological responses of soybean seedlings. <i>Journal of Integrative Agriculture</i> , 2021, 20, 2382-2394.	1.7	6
1896	Pretreatment with 24-Epibrassinolide Synergistically Protects Root Structures and Chloroplastic Pigments and Upregulates Antioxidant Enzymes and Biomass in Na ⁺ -Stressed Tomato Plants. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2869-2885.	2.8	14
1897	Cacao (<i>Theobroma cacao</i> L.) Response to Water Stress: Physiological Characterization and Antioxidant Gene Expression Profiling in Commercial Clones. <i>Frontiers in Plant Science</i> , 2021, 12, 700855.	1.7	5
1898	Will <i>Casuarina glauca</i> Stress Resilience Be Maintained in the Face of Climate Change?. <i>Metabolites</i> , 2021, 11, 593.	1.3	3
1899	Phenological and physio-biochemical variations in <i>Salicornia brachiata</i> Roxb. under different soil and water treatments (salinity). <i>Aquatic Botany</i> , 2021, 174, 103429.	0.8	1
1900	Growth, Physiological, and Photosynthetic Responses of <i>Xanthoceras sorbifolium</i> Bunge Seedlings Under Various Degrees of Salinity. <i>Frontiers in Plant Science</i> , 2021, 12, 730737.	1.7	3
1901	Stability of thylakoid protein complexes and preserving photosynthetic efficiency are crucial for the successful recovery of the halophyte <i>Cakile maritima</i> from high salinity. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 177-190.	2.8	8
1902	Silicon attenuates the effects of water deficit in sugarcane by modifying physiological aspects and C:N:P stoichiometry and its use efficiency. <i>Agricultural Water Management</i> , 2021, 255, 107006.	2.4	16
1903	â€ˆGarnemâ€™ and Myrobalan â€ˆP.2175â€™: Two Different Drought Responses and Their Implications in Drought Tolerance. <i>Horticulturae</i> , 2021, 7, 299.	1.2	2
1904	Drought-Adaptive Mechanisms of Young Sweet Cherry Trees in Response to Withholding and Resuming Irrigation Cycles. <i>Agronomy</i> , 2021, 11, 1812.	1.3	4
1905	Bridging the gap between data and decisions: A review of process-based models for viticulture. <i>Agricultural Systems</i> , 2021, 193, 103209.	3.2	14

#	ARTICLE	IF	CITATIONS
1906	Crosstalk of plant growth regulators protects photosynthetic performance from arsenic damage by modulating defense systems in rice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112535.	2.9	40
1907	Abiotic stress-by-competition interactions drive hormone and nutrient changes to regulate Suaeda salsa growth. <i>Global Ecology and Conservation</i> , 2021, , e01845.	1.0	2
1908	Involvement of several putative transporters of different families in $\hat{1}^2$ -cyclocitral-induced alleviation of cadmium toxicity in quinoa (<i>Chenopodium quinoa</i>) seedlings. <i>Journal of Hazardous Materials</i> , 2021, 419, 126474.	6.5	4
1909	Transcriptome modulation by the beneficial fungus <i>Trichoderma longibrachiatum</i> drives water stress response and recovery in tomato. <i>Environmental and Experimental Botany</i> , 2021, 190, 104588.	2.0	11
1910	Potential of high-spectral resolution for field phenotyping in plant breeding: Application to maize under water stress. <i>Computers and Electronics in Agriculture</i> , 2021, 189, 106385.	3.7	5
1911	Tolerance to salinity and drought stresses in pistachio (<i>Pistacia vera</i> L.) seedlings inoculated with indigenous stress-tolerant PGPR isolates. <i>Scientia Horticulturae</i> , 2021, 289, 110440.	1.7	30
1912	Proline metabolism and phenylpropanoid pathway act independently in conferring resistance against yellow mosaic virus infection in black gram. <i>Physiological and Molecular Plant Pathology</i> , 2021, 116, 101713.	1.3	4
1913	Responses of 'Syrah' grapevine to deficit irrigation in the Brazilian semi-arid region. <i>Agricultural Water Management</i> , 2021, 258, 107186.	2.4	4
1914	Water and oxidative homeostasis, Na ⁺ /K ⁺ transport, and stress-defensive proteins associated with spermine-induced salt tolerance in creeping bentgrass. <i>Environmental and Experimental Botany</i> , 2021, 192, 104659.	2.0	15
1915	Key photoprotective pathways of a shade-tolerant plant (<i>Alpinia oxyphylla</i>) for precipitation patterns change during the dry season: thermal energy dissipation and water-water cycle. <i>Plant Stress</i> , 2021, 2, 100016.	2.7	3
1916	Screening salt-tolerant rice at the seedling and reproductive stages: An effective and reliable approach. <i>Environmental and Experimental Botany</i> , 2021, 192, 104629.	2.0	11
1917	Comparing different pretreatments at transplanting stage for acclimation of walnut trees to hot and dry conditions. <i>Plant Stress</i> , 2021, 2, 100036.	2.7	7
1918	Mild water and salt stress improve water use efficiency by decreasing stomatal conductance via osmotic adjustment in field maize. <i>Science of the Total Environment</i> , 2022, 805, 150364.	3.9	50
1919	Impact of emissions from coal-based thermal power plants on surrounding vegetation and air quality over Bokaro Thermal Power Plant. , 2022, , 255-274.		1
1920	Drought and nitrogen stress effects and tolerance mechanisms in tomato: a review. , 2022, , 315-359.		6
1921	NHX1, HKT, and monovalent cation transporters regulate K ⁺ and Na ⁺ transport during abiotic stress. , 2021, , 1-27.		0
1922	Photosynthetic and cellular responses in plants under saline conditions. , 2021, , 293-365.		2
1923	Silicon and selenium transporters in plants under abiotic stresses. , 2021, , 87-116.		2

#	ARTICLE	IF	CITATIONS
1924	PGPR: The Redeemer of Rice from Abiotic Stress. , 2021, , 101-135.		0
1925	Comparative effects of salinity and drought on seed germination, seedling growth, photosynthetic productivity, pigments content and antioxidant enzymes of castor bean (<i>Ricinus communis</i>). Crop and Pasture Science, 2021, 72, 541.	0.7	3
1926	Multi environmental evaluation of persistence and drought tolerance in smooth brome grass (<i>Bromus inermis</i>): genetic analysis for stability in combining ability. Crop and Pasture Science, 2021, 72, 565.	0.7	3
1927	ZxNHX1 indirectly participates in controlling K ⁺ homeostasis in the xerophyte <i>Zygophyllum xanthoxylum</i> . Functional Plant Biology, 2021, 48, 402.	1.1	4
1928	Roles of Si and SiNPs in Improving Thermotolerance of Wheat Photosynthetic Machinery via Upregulation of PsbH, PsbB and PsbD Genes Encoding PSII Core Proteins. Horticulturae, 2021, 7, 16.	1.2	25
1929	Predication of Photosynthetic Leaf Gas Exchange of Sugarcane (<i>Saccharum</i> spp) Leaves in Response to Leaf Positions to Foliar Spray of Potassium Salt of Active Phosphorus under Limited Water Irrigation. ACS Omega, 2021, 6, 2396-2409.	1.6	19
1931	Populus Responses to Abiotic Stress. , 2010, , 225-246.		17
1932	Mitochondrial Respiration: Involvement of the Alternative Respiratory Pathway and Residual Respiration in Abiotic Stress Responses. , 2014, , 321-364.		1
1933	Auxin in Plant Growth and Stress Responses. , 2014, , 1-35.		19
1934	Photosynthetic Adaptations and Oxidative Stress Tolerance in Halophytes from Warm Subtropical Region. , 2020, , 1-31.		1
1935	Metabolomic Profiling of Plants to Understand Reasons for Plant Stress Resilience to Abiotic Stress. , 2019, , 57-74.		2
1936	Fructan Metabolism in Plant Growth and Development and Stress Tolerance. , 2019, , 319-334.		6
1937	Regulatory Role of Rhizobacteria to Induce Drought and Salt Stress Tolerance in Plants. Sustainable Development and Biodiversity, 2019, , 279-335.	1.4	12
1938	Growth and Yield of Field Crops Grown Under Drought Stress Condition Is Influenced by the Application of PGPR. Sustainable Development and Biodiversity, 2019, , 337-349.	1.4	4
1939	Special Adaptive Features of Plant Species in Response to Drought. Signaling and Communication in Plants, 2020, , 77-118.	0.5	8
1940	Salt Stress Tolerance in <i>Casuarina glauca</i> and Its Relation with Nitrogen-Fixing <i>Frankia</i> Bacteria. , 2016, , 143-151.		2
1941	Microbial Products and Soil Stresses. , 2012, , 65-75.		3
1942	Microbial Products and Soil Stresses. , 2012, , 65-75.		1

#	ARTICLE	IF	CITATIONS
1943	Effect of Salinity on Soil Nutrients and Plant Health. , 2019, , 273-297.		7
1944	Potentiality of Plant Growth-Promoting Rhizobacteria in Easing of Soil Salinity and Environmental Sustainability. , 2019, , 21-58.		3
1945	Proline Accumulation and Oxidative Stress: Diverse Roles and Mechanism of Tolerance and Adaptation Under Salinity Stress. , 2019, , 269-300.		25
1946	Growth and Morphological Changes of Agronomic Crops Under Abiotic Stress. , 2020, , 1-11.		2
1947	Use of Phytohormones in Conferring Tolerance to Environmental Stress. , 2020, , 245-355.		6
1948	Irrigation at the level of evapotranspiration aids growth recovery and photosynthesis rate in tomato grown under chilling stress. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	113
1949	The effects of UV-B radiation on genetic and biochemical changes of Pelargonium graveolens L&EHer. Physiology and Molecular Biology of Plants, 2020, 26, 605-616.	1.4	11
1950	Communication of plants with microbial world: Exploring the regulatory networks for PGPR mediated defense signaling. Microbiological Research, 2020, 238, 126486.	2.5	92
1951	Ecophysiological and biochemical aspects of olive tree (Olea europaea L.) in response to salt stress and gibberellic acid-induced alleviation. South African Journal of Botany, 2020, 132, 38-44.	1.2	10
1952	Eco-physiological evaluation of different scion-rootstock combinations of almond grown in Mediterranean conditions. Fruits, 2016, 71, 185-193.	0.3	29
1953	Intrinsic non-stomatal resilience to drought of the photosynthetic apparatus in <i>Coffea</i> spp. is strengthened by elevated air [CO ₂]. Tree Physiology, 2021, 41, 708-727.	1.4	40
1959	Transcriptomic characterization of candidate genes responsive to salt tolerance of <i>Miscanthus</i> energy crops. GCB Bioenergy, 2017, 9, 1222-1237.	2.5	13
1960	MORPHO-PHYSIOLOGICAL CHARACTERISTICS, SELECTED MACRONUTRIENT UPTAKE, AND OXIDATIVE STRESS LEVEL OF <i>Andrographis paniculata</i> UNDER SALINE CONDITION. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 25		10
1961	Effect of drought stress and mycorrhizal inoculation on the growth, photosynthetic activity and water use efficiency of leek (<i>Allium porrum</i> L. 'Gigante Suizo'). Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2013, 60, 101-108.	0.2	2
1962	Do halophytes and glycophytes differ in their interactions with arbuscular mycorrhizal fungi under salt stress? A meta-analysis. , 2020, 61, 13.		36
1963	Untargeted Metabolomics of Halophytes. , 2016, , 307-325.		14
1964	Chapter 39Nutrient Management of Golf Course Putting Greens under Stresses. , 2016, , 1017-1046.		1
1965	Photosynthetic Strategies of Desiccation-Tolerant Organisms. Books in Soils, Plants, and the Environment, 2016, , 663-681.	0.1	19

#	ARTICLE	IF	CITATIONS
1966	Evaluation of NaCl Tolerance in the Physical Reduction of <i>Jatropha Curcus</i> L. Seedlings. <i>Agricultural Science</i> , 2014, 2, 23-35.	0.3	1
1967	Proteomic Studies: Contribution to Understanding Plant Salinity Stress Response. <i>Global Journal of Botanical Science</i> , 2020, 8, 1-10.	0.4	6
1969	The effect of amino acids on nitrogen, phosphorus and potassium changes in spring barley under the conditions of water deficit. <i>Zemdirbyste</i> , 2015, 102, 265-272.	0.3	7
1970	Effect of potassium bicarbonate on photosynthetic parameters of <i>Setaria viridis</i> under drought conditions. <i>Zemdirbyste</i> , 2017, 104, 79-84.	0.3	6
1971	An <i>Arabidopsis</i> Mitochondrial Uncoupling Protein Confers Tolerance to Drought and Salt Stress in Transgenic Tobacco Plants. <i>PLoS ONE</i> , 2011, 6, e23776.	1.1	82
1972	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
1973	Chloroplasts of Salt-Grown <i>Arabidopsis</i> Seedlings Are Impaired in Structure, Genome Copy Number and Transcript Levels. <i>PLoS ONE</i> , 2013, 8, e82548.	1.1	26
1974	RNA-Seq Transcriptome Profiling of Upland Cotton (<i>Gossypium hirsutum</i> L.) Root Tissue under Water-Deficit Stress. <i>PLoS ONE</i> , 2013, 8, e82634.	1.1	53
1975	Analysis of Global Gene Expression in <i>Brachypodium distachyon</i> Reveals Extensive Network Plasticity in Response to Abiotic Stress. <i>PLoS ONE</i> , 2014, 9, e87499.	1.1	80
1976	A Pepper MSRB2 Gene Confers Drought Tolerance in Rice through the Protection of Chloroplast-Targeted Genes. <i>PLoS ONE</i> , 2014, 9, e90588.	1.1	21
1977	RNA-Seq Analysis Reveals MAPKKK Family Members Related to Drought Tolerance in Maize. <i>PLoS ONE</i> , 2015, 10, e0143128.	1.1	34
1978	Identification of Differentially Expressed Genes Related to Dehydration Resistance in a Highly Drought-Tolerant Pear, <i>Pyrus betulaefolia</i> , as through RNA-Seq. <i>PLoS ONE</i> , 2016, 11, e0149352.	1.1	37
1979	Comparative Analysis and Identification of miRNAs and Their Target Genes Responsive to Salt Stress in Diploid and Tetraploid <i>Paulownia fortunei</i> Seedlings. <i>PLoS ONE</i> , 2016, 11, e0149617.	1.1	24
1980	Salinity Adaptation and the Contribution of Parental Environmental Effects in <i>Medicago truncatula</i> . <i>PLoS ONE</i> , 2016, 11, e0150350.	1.1	22
1981	Biochemical Analyses of Sorghum Varieties Reveal Differential Responses to Drought. <i>PLoS ONE</i> , 2016, 11, e0154423.	1.1	48
1982	Alleviation of Drought Stress by Hydrogen Sulfide Is Partially Related to the Abscisic Acid Signaling Pathway in Wheat. <i>PLoS ONE</i> , 2016, 11, e0163082.	1.1	106
1983	Transcriptome analysis of creeping bentgrass exposed to drought stress and polyamine treatment. <i>PLoS ONE</i> , 2017, 12, e0175848.	1.1	22
1984	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

#	ARTICLE	IF	CITATIONS
1985	Proteome dynamics and physiological responses to short-term salt stress in <i>Leymus chinensis</i> leaves. PLoS ONE, 2017, 12, e0183615.	1.1	25
1986	The application of artificial neural networks in modeling and predicting the effects of melatonin on morphological responses of citrus to drought stress. PLoS ONE, 2020, 15, e0240427.	1.1	42
1987	Effect of Drought and Salt Stress on Cereal Crop Plants and their Proteomic and Physiological Studies. Journal of Biotechnology and Biomedical Science, 2020, 2, 43-59.	0.6	3
1988	Transcriptome Profiling and Characterization of Drought-Tolerant Potato Plant (<i>L.</i>). Molecules and Cells, 2018, 41, 979-992.	1.0	24
1989	Gas exchange and photosynthetic activity in <i>Hancornia speciosa</i> gomes seedlings under water deficit conditions and during rehydration. Bioscience Journal, 2015, 31, 1124-1132.	0.4	7
1990	Effect of Se application on photosynthesis, osmolytes and water relations in two durum wheat (<i>Triticum durum</i> L.) genotypes under drought stress. Acta Agriculturae Slovenica, 2014, 103, .	0.2	20
1991	Growth Characteristics, Physiological and Metabolic Responses of Teak (<i>Tectona Grandis</i> Linn. f.) Clones Differing in Rejuvenation Capacity Subjected to Drought Stress. Silvae Genetica, 2010, 59, 124-136.	0.4	55
1992	Water Relations and Gas Exchange in Alfalfa Leaves under Drought Conditions in Southern Tunisian Oases. Polish Journal of Environmental Studies, 2016, 25, 917-924.	0.6	2
1993	The critical role of autophagy in plant responses to abiotic stresses. Frontiers of Agricultural Science and Engineering, 2017, 4, 28.	0.9	9
1994	THE PROTECTIVE EFFECT OF BRASSINOSTEROIDS ON MILLET PLANTS UNDER ABIOTIC STRESSES. Biotechnologia Acta, 2014, 7, 77-84.	0.3	5
1995	Proline Induced Modulation in Physiological Responses in Wheat Plants. Journal of Agriculture and Environmental Sciences, 2019, 8, .	0.0	7
1996	INTERCEPTAÇÃO DE ÁGUA PELO DOSSEL DA CANA-DE-ÁÇÚCAR. Irriga, 2012, 17, 71.	0.2	5
1997	PRODUTIVIDADE DE COLMOS E RENDIMENTO DE AÇÚCARES DA CANA-DE-ÁÇÚCAR EM FUNDO DE LÃMINAS DE ÁGUA. Irriga, 2012, 17, 234.	0.2	5
1998	POCA DE INTERRUPÇÃO DA IRRIGAÇÃO NA CULTURA DA CANA-DE-ÁÇÚCAR. Irriga, 2013, 18, 426.	0.2	5
1999	CRESCIMENTO INICIAL DE CRAIBEIRA EM SOLO SALINIZADO CORRIGIDO COM ENXOFRE ELEMENTAR. Irriga, 2013, 18, 647.	0.2	4
2000	Increased atmospheric CO ₂ changes the photosynthetic responses of <i>Acrocomia aculeata</i> (Arecaceae) to drought. Acta Botanica Brasílica, 2019, 33, 486-497.	0.8	11
2001	Overexpression of AtNCED3 gene improved drought tolerance in soybean in greenhouse and field conditions. Genetics and Molecular Biology, 2020, 43, e20190292.	0.6	21
2002	Pré-condicionamento in vitro de plantas de cana-de-açúcar (<i>Saccharum</i> spp.) para tolerância ao estresse salino. Revista Brasileira De Engenharia Agrícola E Ambiental, 2014, 18, 27-33.	0.4	5

#	ARTICLE	IF	CITATIONS
2003	Emergência e crescimento inicial de plântulas de alface submetidas à irrigação com água salina. Revista Brasileira De Engenharia Agrícola E Ambiental, 2015, 19, 106-112.	0.4	4
2004	MATTER ACCUMULATION AND PHOTOSYNTHETIC RESPONSES OF MACAW PALM TO CYCLICAL DROUGHT. Revista Caatinga, 2016, 29, 850-858.	0.3	7
2005	UNRAVELING PHYSIOLOGICAL TRAITS OF <i>Jatropha curcas</i> , A BIODIESEL PLANT, TO OVERCOME SALINITY CONDITIONS. Revista Caatinga, 2020, 33, 446-457.	0.3	3
2006	Respostas biométricas e fisiológicas ao déficit hídrico em cana-de-açúcar em diferentes fases fenológicas. Pesquisa Agropecuária Brasileira, 2009, 44, 1575-1582.	0.9	128
2007	Trocas gasosas e conteúdo de carboidratos e compostos nitrogenados em pinhão-mansão irrigado com águas residuária e salina. Pesquisa Agropecuária Brasileira, 2012, 47, 1428-1435.	0.9	7
2008	Influência da sanidade e déficit hídrico na germinação de sementes de <i>Carthamus tinctorius</i> L.. Revista Brasileira De Sementes = Brazilian Seed Journal, 2011, 33, 574-582.	0.5	6
2009	Atividade fotossintética em plantas de ameixeira submetidas ao déficit hídrico e ao alagamento. Ciencia Rural, 2013, 43, 35-41.	0.3	18
2010	Crescimento e respostas fisiológicas de espécies arbóreas em solo salinizado tratado com corretivos. Revista Brasileira De Engenharia Agrícola E Ambiental, 2012, 16, 173-181.	0.4	11
2011	Chlorophyll a fluorescence as indicative of the salt stress on <i>Brassica napus</i> L.. Brazilian Journal of Plant Physiology, 2011, 23, 245-253.	0.5	30
2012	Ecophysiological responses to drought and salinity in the cosmopolitan invader <i>Nicotiana glauca</i> . Brazilian Journal of Plant Physiology, 2012, 24, 213-222.	0.5	14
2013	Morphophysiological responses of young oil palm plants to salinity stress. Pesquisa Agropecuária Brasileira, 0, 55, .	0.9	7
2014	Estratégias de irrigação com água salina na mamoneira. Revista Ciencia Agronomica, 2013, 44, 34-43.	0.1	12
2015	Salinity effects on photosynthetic pigments, proline, biomass and nitric oxide in <i>Salvinia auriculata</i> Aubl.. Acta Limnologica Brasiliensia, 2017, 29, .	0.4	36
2016	Changes in leaf water potential and photosynthesis of <i>Bauhinia forficata</i> Link under water deficit and after rehydration. Hoehnea (revista), 2013, 40, 181-190.	0.2	3
2017	Plants in Remediating Salinity-Affected Agricultural Landscapes. Proceedings of the Indian National Science Academy, 2016, 86, .	0.5	4
2018	Effect of salinity (Na ₂ SO ₄) on stomata, and yield parameters of Indian mustard (<i>Brassica juncea</i> L) var. Goldi. International Journal of Nanomaterials Nanotechnology and Nanomedicine, 2020, , 021-023.	0.2	1
2019	Effects of drought-rewatering-drought on photosynthesis and growth of maize. Chinese Journal of Plant Ecology, 2016, 40, 594-603.	0.3	4
2020	GENETIC ARCHITECTURE OF RELATIVE CELL INJURY AND SOME YIELD RELATED PARAMETERS IN <i>Gossypium hirsutum</i> L.. Turkish Journal of Field Crops, 2016, 21, 246.	0.2	7

#	ARTICLE	IF	CITATIONS
2021	Effects of Salinity Stress on Growth and Phenolics of Rice (<i>Oryza sativa</i> L.). International Letters of Natural Sciences, 0, 57, 1-10.	1.0	30
2022	Comparative Studies of Chemical Compostion, Antimicrobial and Antioxidant Activity of Essential Oil of Some Species from GenusÂArtemisia. Journal of Natural Remedies, 2018, 18, 10-20.	0.1	8
2023	Differential Photosynthetic Responses to Salinity Stress between Two Perennial Grass Species Contrasting in Salinity Tolerance. Hortscience: A Publication of the American Society for Horticultural Science, 2011, 46, 311-316.	0.5	35
2024	Metabolic Responses of Hybrid Bermudagrass to Short-term and Long-term Drought Stress. Journal of the American Society for Horticultural Science, 2012, 137, 411-420.	0.5	45
2025	The DEAD-box RNA helicases and multiple abiotic stresses in plants: a systematic review of recent advances and challenges. Plant OMICS, 2017, 10, 252-262.	0.4	20
2026	Impact of Different Application Methods and Concentrations of Ascorbic Acid on Sugar Beet under Salinity Stress Conditions. Alexandria Journal of Agricultural Sciences, 2020, 65, 31-44.	0.0	2
2027	Potential Effect of Irrigation Intervals and Potassium Phthalate on Fennel Plants Grown in Semi-Arid Regions. Egyptian Journal of Soil Science, 2020, 60, 83-98.	0.1	4
2029	SOLANUM PROTEASE INHIBITORS AND THEIR THERAPEUTIC POTENTIALITIES: A REVIEW. International Journal of Pharmacy and Pharmaceutical Sciences, 2016, 8, 14.	0.3	11
2030	Differential responses of aquatic and aerobic forms of Echinochloa crus-galli (L.) Beauv. and E. colona (L.) Link. by morpho-physiological and molecular analysis. Environment Earth and Ecology, 2017, 1, 81-93.	0.8	2
2031	The genus <i>Portulaca</i> as a suitable model to study the mechanisms of plant tolerance to drought and salinity. The EuroBiotech Journal, 2018, 2, 104-113.	0.5	11
2032	Effect of Temperature and Duration of Root CHILLING on the Balance between Antioxidant Activity and Oxidative Stress in Spinach. Environmental Control in Biology, 2020, 58, 115-121.	0.3	2
2033	Studies of Grafts in vegetables, an alternative for agricultural production under stress conditions: Physiological responses. Journal of Plant Science and Phytopathology, 0, , 006-014.	0.4	4
2034	Nitric oxide mediated mechanisms adopted by plants to cope with salinity. Biologia Plantarum, 0, 64, 512-518.	1.9	21
2035	Tolerance of the photosynthetic apparatus in recombinant lines of wheat adapting to water stress of varying intensity. Photosynthetica, 2019, 57, 160-169.	0.9	6
2036	Allocation pattern, photosynthetic performance and sugar metabolism in hydroponically grown seedlings of loquat (Eriobotrya japonica Lindl.) subjected to salinity. Photosynthetica, 2019, 57, 258-267.	0.9	11
2037	Leaf nitrogen supply improves sugarcane photosynthesis under low temperature. Photosynthetica, 2019, 57, 18-26.	0.9	11
2038	The role of inoculum identity for growth, photosynthesis, and chlorophyll fluorescence of zinnia plants by arbuscular mycorrhizal fungi under varying water regimes. Photosynthetica, 2019, 57, 409-419.	0.9	8
2039	Acetylcholine mechanism of action to enhance tolerance to salt stress in Nicotiana benthamiana. Photosynthetica, 2019, 57, 590-598.	0.9	15

#	ARTICLE	IF	CITATIONS
2040	Physiological and molecular responses of maize (<i>Zea mays</i> L.) plants to drought and rehydration. <i>Photosynthetica</i> , 2019, 57, 850-856.	0.9	19
2041	Chlorophyll fluorescence for prediction of yellow lupin (<i>Lupinus luteus</i> L.) and pea (<i>Pisum sativum</i> L.) susceptibility to drought. <i>Photosynthetica</i> , 2019, 57, 950-959.	0.9	6
2042	Photosynthesis response to severe water deficit in terminal stems of <i>Myriolimon ferulaceum</i> . <i>Photosynthetica</i> , 2019, 57, 921-930.	0.9	5
2043	Cotton leaf photosynthetic characteristics, biomass production, and their correlation analysis under different irrigation and phosphorus application. <i>Photosynthetica</i> , 2019, 57, 1066-1075.	0.9	14
2044	Special issue in honour of Prof. Reto J. Strasser - Plant biomass in salt-stressed young maize plants can be modelled with photosynthetic performance. <i>Photosynthetica</i> , 2020, 58, 194-204.	0.9	11
2045	Co-author and co-cited reference network analysis for chlorophyll fluorescence research from 1991 to 2018. <i>Photosynthetica</i> , 2020, 58, 110-124.	0.9	12
2046	<i>Ginkgo biloba</i> and <i>Helianthus annuus</i> show different strategies to adjust photosynthesis, leaf water relations, and cell wall composition under water deficit stress. <i>Photosynthetica</i> , 2020, 58, 1098-1106.	0.9	5
2047	Fatores ambientais na germinação de sementes e mecanismos de defesa para garantir sua perpetuação. <i>Research, Society and Development</i> , 2020, 9, e93491110524.	0.0	2
2048	Adaptive Response of a Native Mediterranean Grapevine Cultivar Upon Short-Term Exposure to Drought and Heat Stress in the Context of Climate Change. <i>Agronomy</i> , 2020, 10, 249.	1.3	33
2049	<i>In Vivo</i> Phenotyping for the Early Detection of Drought Stress in Tomato. <i>Plant Phenomics</i> , 2019, 2019, 6168209.	2.5	60
2050	Drought tolerance in cork oak is associated with low leaf stomatal and hydraulic conductances. <i>IForest</i> , 2018, 11, 728-733.	0.5	7
2051	Environmental Impact of Desert Dam Reservoir in Arid Habitat. <i>Asian Journal of Plant Sciences</i> , 2020, 19, 191-199.	0.2	3
2052	Interaction Between Salt Stress and Drought Stress on Some Physiological Parameters in Two Pea Cultivars. <i>International Journal of Botany</i> , 2019, 16, 1-8.	0.2	10
2053	Differential Sensitivity of <i>Pisum sativum</i> L. Cultivars to Water-deficit Stress: Changes in Growth, Water Status, Chlorophyll Fluorescence and Gas Exchange Attributes. <i>Journal of Agronomy</i> , 2016, 15, 45-57.	0.4	59
2054	Changes in Protein Expression in Peanut Leaves in the Response to Progressive Water Stress. <i>Pakistan Journal of Biological Sciences</i> , 2014, 18, 19-26.	0.2	2
2055	Elevated CO ₂ Improves Vegetative Growth of Water-stressed <i>Zea mays</i> L. Under Low Photosynthetic Photon Flux Density. <i>Journal of Botany (Faisalabad)</i> , 2017, 12, 53-62.	0.8	2
2056	Yield and seed quality parameters of common bean cultivars grown under water and heat stress field conditions. <i>AIMS Agriculture and Food</i> , 2019, 4, 285-302.	0.8	18
2057	Mounting Insights over Human Wellness by Utilizing Plant's Primed Defense against Precise/Mild Oxidative Stress. <i>Crop Research</i> , 2016, 51, .	0.1	1

#	ARTICLE	IF	CITATIONS
2058	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
2059	Effect of Root-Zone Temperature on Growth and Quality of Hydroponically Grown Red Leaf Lettuce (<i>Lactuca sativa</i> L. cv. Red Wave). <i>American Journal of Plant Sciences</i> , 2015, 06, 2350-2360.	0.3	64
2060	Salt Stress Induced Modulations in Growth, Compatible Solutes and Antioxidant Enzymes Response in Two Cultivars of Safflower (<i><i>Carthamus tinctorius</i></i>; L. Cultivar TSF1) Tj ETQqO 00</i>gBT /Overlock 10	0.3	10
2061	Identification of Leaf Based Physiological Markers for Drought Susceptibility during Early Seedling Development of Mungbean. <i>American Journal of Plant Sciences</i> , 2016, 07, 1921-1936.	0.3	12
2062	Drought Strategy Tolerance of Four Barley Cultivars and Combined Effect with Salicylic Acid Application. <i>American Journal of Plant Sciences</i> , 2019, 10, 512-535.	0.3	9
2063	Contrasting Drought Tolerance in Two Apple Cultivars Associated with Difference in Leaf Morphology and Anatomy. <i>American Journal of Plant Sciences</i> , 2019, 10, 709-722.	0.3	10
2064	Interaction of Carbon Dioxide Enrichment and Soil Moisture on Photosynthesis, Transpiration, and Water Use Efficiency of Soybean. <i>Agricultural Sciences</i> , 2014, 05, 410-429.	0.2	10
2065	Elevated Root-Zone Temperature Modulates Growth and Quality of Hydroponically Grown Carrots. <i>Agricultural Sciences</i> , 2015, 06, 749-757.	0.2	22
2066	Respostas fisiol<sup>3</sup>gicas de plantas jovens de maca<sup>9</sup>ba a condi<sup>3</sup>es de seca c<sup>e</sup>lica. <i>Pesquisa Florestal Brasileira</i> , 2016, 36, 225.	0.1	3
2067	Strategies of two tropical woody species to tolerate salt stress. <i>Pesquisa Florestal Brasileira</i> , 2017, 37, 63.	0.1	2
2068	Drought and salinity stress response in wheat: physiological and< i>TaNAC</i> gene expression analysis in contrasting Egyptian wheat genotypes. <i>Journal of Plant Biotechnology</i> , 2020, 47, 1-14.	0.1	9
2069	Efeito da salinidade da <sup>3</sup>gua de irriga<sup>3</sup>o na emerg<sup>3</sup>ncia e crescimento inicial de pl<sup>3</sup>ntulas de mulungu. <i>Revista Brasileira de Ciencias Agrarias</i> , 2013, 8, 137-142.	0.3	16
2070	Crescimento inicial e ac<sup>9</sup>mulo de massa seca de cultivares de mamoeiro submetidas <sup>3</sup> salinidade da <sup>3</sup>gua em cultivo hidrop<sup>3</sup>nico. <i>Revista Brasileira de Ciencias Agrarias</i> , 2013, 8, 435-440.	0.3	7
2072	Aspectos ecofisiol<sup>3</sup>gicos e de crescimento de <i>Eucalyptus urograndis</i> submetido <sup>3</sup> suplementa<sup>3</sup>o h<sup>3</sup>drica em plantios clonais / Ecophysiological and growth aspects of eucalyptus urograndis submitted to water supplementation in clonal plantations. <i>Revista De Biologia Neotropical / Journal of Neotropical Biology</i> , 2016, 12, 44.	0.1	1
2073	Classification of <i>Eucalyptus urograndis</i> hybrids under different water availability based on biometric traits. <i>Forest Systems</i> , 2014, 23, 209.	0.1	10
2074	Physiological changes of pepper accessions in response to salinity and water stress. <i>Spanish Journal of Agricultural Research</i> , 2017, 15, e0804.	0.3	19
2075	Morphological and physiological responses and some WRKY genes expression in cherry rootstocks under salt stress. <i>Spanish Journal of Agricultural Research</i> , 2020, 17, e0806.	0.3	7
2076	Improvement of drought tolerance in five different cultivars of <i>Vicia faba</i> with foliar application of ascorbic acid or silicon. <i>Spanish Journal of Agricultural Research</i> , 2020, 18, e0802.	0.3	50

#	ARTICLE	IF	CITATIONS
2077	Salinity Dependent Photosynthetic Response and Regulation of Some Enzymes in Halophytes from Indian Sundarbans. , 0, , .		1
2078	Developing Crop-Specific Irrigation Management Strategies Considering Effects of Drought on Carbon Metabolism in Plants. , 0, , .		1
2079	Combating salinity stress effects on cotton with agronomic practices. African Journal of Agricultural Research Vol Pp, 2012, 7, .	0.2	10
2080	Effect of water replacement and nitrogen fertilization on productivity variables of sugar cane. African Journal of Agricultural Research Vol Pp, 2016, 11, 633-643.	0.2	5
2081	Differential response to water deficit stress in alfalfa (<i>Medicago sativa</i>) cultivars: Growth, water relations, osmolyte accumulation and lipid peroxidation. African Journal of Biotechnology, 2011, 10, .	0.3	8
2082	Transcriptomic studies reveal a key metabolic pathway contributing to a well-maintained photosynthetic system under drought stress in foxtail millet (<i>Setaria italica</i> L.). PeerJ, 2018, 6, e4752.	0.9	33
2083	Effect of vineyard soil variability on chlorophyll fluorescence, yield and quality of table grape as influenced by soil moisture, grown under double cropping system in protected condition. PeerJ, 2018, 6, e5592.	0.9	13
2084	Genome-wide identification and expression analysis of the <i>Dof</i> gene family under drought stress in tea (<i>Camellia sinensis</i>). PeerJ, 2020, 8, e9269.	0.9	18
2085	Evaluation of salt tolerance in <i>Eruca sativa</i> accessions based on morpho-physiological traits. PeerJ, 0, 8, e9749.	0.9	9
2086	Características fisiológicas do feijoeiro cultivado em solos após a fitorremediação do picloram. Revista Brasileira De Herbicidas, 2015, 14, 315.	0.1	2
2087	An overview on drought induced changes in plant growth, water relations and photosynthesis. Emirates Journal of Food and Agriculture, 2012, 24, 57.	1.0	238
2088	Phenotyping of Plants for Drought and Salt Tolerance Using Infra-Red Thermography. Plant Breeding and Biotechnology, 2015, 3, 299-307.	0.3	14
2089	Extremophiles in Saline Environment: Potential for Sustainable Agriculture. Microorganisms for Sustainability, 2021, , 1-16.	0.4	0
2090	Greater hydraulic safety contributes to higher growth resilience to drought across seven pine species in a semi-arid environment. Tree Physiology, 2022, 42, 727-739.	1.4	9
2091	Special aspects of water exchange of <i>Viburnum tinus</i> L. under the conditions of progressive soil drought on the southern coast of Crimea (the SCC). Acta Horticulturae, 2021, , 427-432.	0.1	0
2093	Exploring optimal stomatal control under alternative hypotheses for the regulation of plant sources and sinks. New Phytologist, 2022, 233, 639-654.	3.5	11
2094	Plants Saline Environment in Perception with Rhizosphere Bacteria Containing 1-Aminocyclopropane-1-Carboxylate Deaminase. International Journal of Molecular Sciences, 2021, 22, 11461.	1.8	17
2095	Foliar Supplementation of Clove Fruit Extract and Salicylic Acid Maintains the Performance and Antioxidant Defense System of <i>Solanum tuberosum</i> L. under Deficient Irrigation Regimes. Horticulturae, 2021, 7, 435.	1.2	8

#	ARTICLE	IF	CITATIONS
2096	Salt-Acclimation Physiological Mechanisms at the Vegetative Stage of Cowpea Genotypes in Soils from a Semiarid Region. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3530-3543.	1.7	3
2097	Yield Performance and Physiological Response of a Maize Early Hybrid Grown in Tunnel and Open Air under Different Water Regimes. <i>Sustainability</i> , 2021, 13, 11251.	1.6	2
2098	The efficient physiological strategy of a novel tomato genotype to adapt to chronic combined water and heat stress. <i>Plant Biology</i> , 2022, 24, 62-74.	1.8	9
2099	Acidified Biochar Confers Improvement in Quality and Yield Attributes of Sufaid Chaunsa Mango in Saline Soil. <i>Horticulturae</i> , 2021, 7, 418.	1.2	8
2100	EMS-based mutants are useful for enhancing drought tolerance in spring wheat. <i>Cereal Research Communications</i> , 2022, 50, 767-778.	0.8	6
2101	Organic Electrochemical Transistors for In Vivo Bioelectronics. <i>Advanced Materials</i> , 2021, 33, e2101874.	11.1	78
2102	Arbuscular mycorrhizal symbioses alleviating salt stress in maize is associated with a decline in root-to-leaf gradient of Na ⁺ /K ⁺ ratio. <i>BMC Plant Biology</i> , 2021, 21, 457.	1.6	16
2103	Comparative analysis of carbon and nitrogen metabolism, antioxidant indexes, polysaccharides and lobetyolin changes of different tissues from <i>Codonopsis pilosula</i> co-inoculated with <i>Trichoderma</i> . <i>Journal of Plant Physiology</i> , 2021, 267, 153546.	1.6	6
2104	Drought and Elevated CO ₂ Impacts Photosynthesis and Biochemicals of Basil (<i>Ocimum basilicum</i> L.). <i>Stresses</i> , 2021, 1, 223-237.	1.8	13
2105	Conservation tillage improves the yield of summer maize by regulating soil water, photosynthesis and inferior kernel grain filling on the semiarid Loess Plateau, China. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 2330-2341.	1.7	8
2108	Effects of Deficit Irrigation and Huanglongbing on Sweet Orange Trees. <i>Frontiers in Plant Science</i> , 2021, 12, 731314.	1.7	4
2109	C3-species <i>Calotropis procera</i> increase specific leaf area and decrease stomatal pore size, alleviating gas exchange under drought and salinity. <i>Acta Physiologiae Plantarum</i> , 2021, 43, 1.	1.0	7
2110	Activation of CDC48 and acetyltransferase encoding genes contributes to enhanced abiotic stress tolerance and improved productivity traits in rice. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 329-339.	2.8	3
2111	Novel QTL identification and candidate gene analysis for enhancing salt tolerance in soybean (<i>Glycine</i>) Tj ETQq1 1 Q.784314 rgBT /Overl	1.7	14
2112	Respuesta fotosint�tica de diferentes ecotipos de fr�jol a la radiaci�n y la salinidad. <i>Ciencia Tecnologia Agropecuaria</i> , 2014, 10, 129-140.	0.3	1
2113	Plant Abiotic Stress: Insights from the Genomics Era. , 0, , .		0
2114	Morphological and physiological studies in three alfalfa varieties (<i>Medicago sativa</i> L.) under salt stress. <i>IOSR Journal of Agriculture and Veterinary Science</i> , 2012, 1, 29-37.	0.1	1
2115	Growth and Water Status in Narbonne Vetch (<i>Vicia Narbonensis</i> L.) Under Salt Stress. <i>IOSR Journal of Agriculture and Veterinary Science</i> , 2013, 3, 40-47.	0.1	1

#	ARTICLE	IF	CITATIONS
2116	Adaptability and recovery capability of two maize inbred-line foundation genotypes, following treatment with progressive water-deficit stress and stress recovery. <i>Agricultural Sciences</i> , 2013, 04, 389-398.	0.2	1
2117	Crescimento inicial de arbóreas nativas em solo salino-sódico do nordeste brasileiro tratado com corretivos. <i>Revista Ceres</i> , 2013, 60, 388-396.	0.1	11
2118	Photosynthetic Differences in Mustard Genotypes under Salinity Stress: Significance of Proline Metabolism. <i>Annual Research & Review in Biology</i> , 2014, 4, 3274-3296.	0.4	5
2119	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
2120	TROCAS GASOSAS E COMPONENTES DE CRESCIMENTO EM PORTA-ENXERTOS DE CITROS SUBMETIDOS À RESTRIÇÃO HÍDRICA. <i>Irriga</i> , 2014, 19, 464.	0.2	10
2121	The responses of Growth and Physiological traits of <i>Acer triflorum</i> on Calcium Chloride (CaCl ₂) Concentration. <i>Han'gug Hwan'gyeong Saengtae Haghoeji = Korean Journal of Environment and Ecology</i> , 2014, 28, 500-509.	0.1	3
2122	Investigating the Effect of Elevated CO ₂ in the Growth Environment of Salt-Stressed Plants Using Integrated Omic Analyses. , 2015, , 49-69.		1
2123	Comparative Analysis of Salinity-Induced Proteomic Changes in Cotton (<i>Gossypium hirsutum</i> L.). <i>Agricultural Sciences</i> , 2015, 06, 78-86.	0.2	1
2124	Some Growth Promoting Essential Mineral Elements Alleviates The Salinity Effect on Nitrate Reductase and Hill Reaction Activities in Cotton (<i>Gossypium hirsutum</i>) cv. 'CIM 496'. <i>Journal of Plant Sciences (Science Publishing Group)</i> , 2015, 3, 54.	0.1	2
2125	Effects of submergence period in saline water and cured under soil flooding and unflooding condition with fresh water on growth and mortality of <i>Pinus thumbergii</i> and <i>Taxodium distichum</i> seedlings. <i>Journal of the Japanese Society of Revegetation Technology</i> , 2015, 41, 67-72.	0.0	0
2126	Physiological Features of Wood Plants in Introduction Experiment in Arid Conditions of the Desert of Mangistau. <i>Russian Journal of Biological Research</i> , 2015, 3, 17-34.	0.1	0
2129	Evaluation of Salt Tolerance in Candidate Elite <i>Eucalyptus globulus</i> Conal Plants and Field Test. <i>Kami Pa Gikyoshi/Japan Tappi Journal</i> , 2016, 70, 1301-1309.	0.1	0
2130	Microbial-Mediated Amelioration of Plants Under Abiotic Stress: An Emphasis on Arid and Semiarid Climate. , 2016, , 155-163.		2
2131	Morpho-physiological combining ability among tropical and temperate maize germplasm for drought tolerance. <i>Genetika</i> , 2016, 48, 1053-1066.	0.1	2
2132	Effects of CaCl ₂ solutions to alleviate drought stress effects in potted ornamentals <i>Salvia splendens</i> and <i>Ageratum houstonianum</i> . <i>Acta Agrobotanica</i> , 2016, 69, .	1.0	0
2133	Yield and yield traits of durum wheat (<i>Triticum durum</i> desf.) and bread wheat (<i>Triticum aestivum</i> L.) genotypes under drought stress. <i>Genetika</i> , 2016, 48, 717-727.	0.1	3
2135	Genetic Factors Affecting Photosynthesis. <i>Books in Soils, Plants, and the Environment</i> , 2016, , 539-568.	0.1	0
2136	Rŕgŕjo jonizuoto vandens ŕtaka sŕjamojo ŕirnio (<i>Pisum sativum</i> L.) biometriniam ir biocheminiam rodiklŕiams. <i>ŕiemŕs ŕkio Mokslai</i> , 2016, 23, .	0.0	0

#	ARTICLE	IF	CITATIONS
2137	Chapter 1 Environmental Stress and Stress Biology in Plants. , 2016, , 1-38.		0
2138	Carbon Uptake and Air Pollution Mitigation of Different Evergreen Shrub Species. Arboriculture and Urban Forestry, 2016, 42, .	0.2	4
2139	Use of Pseudomonas aeruginosa as Fertilizer in Eruca sativa. International Journal of Current Microbiology and Applied Sciences, 2016, 5, 301-312.	0.0	1
2140	Chapter 1 Environmental Stress and Stress Biology in Plants. , 2016, , 1-38.		0
2141	INFLUENCE OF WATER POTENTIAL ON SEEDLINGS OF SOME WHEAT (Triticum aestivum L.) HYBRIDS. Sinai Journal of Applied Sciences, 2016, 5, 317-344.	0.1	0
2142	STOMATAL BEHAVIOR OF FAGOPYRUM ESCULENTUM MOENCH. AND VICIA FABA L. PLANTS UNDER THE NaCl SALINITY. Visnyk L'vivs'koho Universytetu Serii Biolohichna, 2017, , 175-183.	0.0	0
2144	Crop Responses to Available Soil Water. , 2018, , 1-27.		0
2146	Sensitivity Index of Several Drought-Tolerant Maize Genotypes on the Drought Stress. Journal of Advanced Agricultural Technologies, 2018, 5, 252-256.	0.2	0
2148	The Irrigation Deficit and Its Effects on Physiology and Phenology of "Navelate"™ Oranges Trees in Brazil. Journal of Experimental Agriculture International, 2018, 20, 1-9.	0.3	0
2149	Assesment of Salinity Tolerance in Some Canola Cultivars using Morphophysiologic Traités and ISSR Markers. Journal of Crop Breeding, 2018, 9, 166-178.	0.4	1
2150	Transcriptome Analysis of Iranian Local Chickpea in Response to Drought Stress. Journal of Crop Breeding, 2018, 9, 1-9.	0.4	1
2151	Evaluation of the Proteome Profile Changes of Canola Leaf Inoculated With Pseudomonas Florescence FY32 under Salinity Stress. Journal of Crop Breeding, 2018, 9, 40-49.	0.4	0
2152	Differential expression of genes in response to salinity stress in tree tomato (Solanum betaceum). Mexican Journal of Biotechnology, 2018, 3, 1-15.	0.2	0
2153	Construction of GmNAC085 vector for future development of drought-tolerant crops. Tap Chi Cong Nghe Sinh Hoc, 2016, 14, 645-652.	0.0	0
2154	Emergence and morphophysiology of Sunki mandarin and other citrus genotypes seedlings under saline stress. Spanish Journal of Agricultural Research, 2018, 16, e0801.	0.3	4
2155	Salinity stress phenotyping for soybean (Glycine max L.) for Middle East Asia. Legume Research, 2018, , .	0.0	2
2156	Monitoring Response of a Few bZip Transcription Factors in Response to Osmotic Stress in Sunflower. Iranian Journal of Biotechnology, 2018, 16, 120-131.	0.3	2
2157	WATER DEFICIT AFFECTS GAS EXCHANGE IN PEACH TREES CULTIVAR CHIMARRITA GRAFTED ONTO DIFFERENT ROOTSTOCKS. Irriga, 2017, 22, 140-153.	0.2	0

#	ARTICLE	IF	CITATIONS
2160	Physiological Study of Cupuaçu [Theobroma grandiflorum (Willd. ex. Spreng.) Schum.,] Tree Progenies Subjected to Water Deficiency. <i>Journal of Experimental Agriculture International</i> , 2018, 28, 1-10.	0.3	0
2162	An Enigma in the Genetic Responses of Plants to Salt Stresses. , 2019, , 105-132.		0
2163	The effect of drought stress on physiological responses of maize plants originating from seeds of different ages. <i>Selekcija I Semearstvo</i> , 2019, 25, 9-16.	0.6	0
2164	Advances in Functional Genomics in Investigating Salinity Tolerance in Plants. , 2019, , 171-188.		2
2165	Role of Signaling Pathways in Improving Salt Stress in Plants. , 2019, , 183-211.		1
2166	Microbe-Mediated Reclamation of Contaminated Soils: Current Status and Future Perspectives. , 2019, , 261-279.		1
2167	Nitrate and ammonium proportions in sesame cultivation under irrigation with saline waters. <i>Comunicata Scientiae</i> , 2019, 9, 718-728.	0.4	0
2168	Microbial Augmentation of Salt-Affected Soils: Emphasis on Haloalkalitolerant PGPR. , 2019, , 255-302.		1
2169	Adaptive Mechanisms of Plants Against Salt Stress and Salt Shock. , 2019, , 27-47.		0
2170	MicroRNA as a Tool for Mitigating Abiotic Stress in Rice (<i>Oryza sativa</i> L.). , 2019, , 109-133.		9
2171	Engineering Polyamine Metabolic Pathways for Abiotic Stress Tolerance in Plants. , 2019, , 287-318.		3
2172	Microbial Management of Crop Salinity Stress: Mechanisms, Applications, and Prospects. , 2019, , 1-25.		5
2173	DIFFERENTIAL ANTIOXIDANT RESPONSE ON DROUGHT BY ZONES OF THE GROWTH OF MAIZE LEAVES. <i>Khimiya Rastitel'nogo Syr'ya</i> , 2019, , 169-177.	0.0	0
2174	The Effect of Calcium on Photosynthetic Rate due to ABA and Proline Behaviour of Oil Palm (<i>Elaeis</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i> <i>Agriculture</i> , 2018, 34, 31.	0.2	6
2175	Improving Salt Stress Tolerance in Cucumber (<i>Cucumis sativus</i> L.) by Using Triacantanol. <i>Journal of Horticultural Science & Technology</i> , 2019, , 20-26.	0.3	4
2177	Some physiological parameters of the resistance of woody plants in the arid conditions of the Mangystau desert. <i>Horticulture and Viticulture</i> , 2019, , 13-26.	0.0	0
2178	Relationships between canopy assimilation surface capacity traits and grain productivity of winter wheat genotypes under drought stress. <i>Agricultural Science and Practice</i> , 2019, 6, 18-28.	0.8	5
2179	Cross-Disciplinary Drivers: Benefit to Smallholder Farmers and to Achieve SDGs by Various Means. , 2020, , 2325-2335.		0

#	ARTICLE	IF	CITATIONS
2181	Salinity-induced changes in growth morphology, gas exchange and leaf abscisic acid level of fifteen polyembryonic mango (<i>Mangifera indica</i> L.) genotypes. <i>Israel Journal of Plant Sciences</i> , 2019, 66, 170-181.	0.3	3
2183	Respostas fisiológicas de genótipos de fava (<i>Phaseolus lunatus</i> L.) submetidas ao estresse hídrico cultivadas no Estado do Ceará. <i>Revista Brasileira De Meteorologia</i> , 2019, 34, 413-422.	0.2	7
2184	Effects of super-absorbent polymers with different granularities on the physicochemical properties of substrate and the growth of lettuce seedlings. <i>Acta Horticulturae</i> , 2019, , 389-396.	0.1	1
2185	Transcription Factors Evaluation in a Transcriptome Analysis on Chickpea (<i>Cicer arietinum</i> L.) Under Drought Stress. <i>Journal of Crop Breeding</i> , 2019, 11, 133-141.	0.4	1
2186	Biosaline production of seedlings of native species from the Caatinga dry forest. <i>Ciencia Florestal</i> , 2019, 29, 1551-1567.	0.1	2
2187	Flower Crop Response to Biotic and Abiotic Stresses. , 2020, , 477-491.		0
2188	Biochemical and molecular approach of oxidative damage triggered by water stress and rewatering in sunflower seedlings of two inbred lines with different ability to tolerate water stress. <i>Functional Plant Biology</i> , 2020, 47, 727.	1.1	1
2190	Special issue in honour of Prof. Reto J. Strasser—Chlorophyll fluorescence, leaf gas exchange, and genomic analysis of chromosome segment substitution rice lines exposed to drought stress. <i>Photosynthetica</i> , 2020, 58, 214-227.	0.9	2
2191	Reproductive Behaviour of Brassica Juncea as Exposed to Drought Stress at Different Days after Sowing in Jammu Region. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 881-890.	0.0	0
2192	Response of some of Primary Metabolites in Rice (<i>Oryza sativa</i> L.) Root to Salinity Stress. <i>Journal of Crop Breeding</i> , 2020, 12, 210-217.	0.4	0
2193	Physiological Responses of Moringa (<i>Moringa stenopetala</i> L.) Seedlings to Drought Stress under Greenhouse Conditions, Southern Ethiopia. <i>Asian Journal of Biotechnology</i> , 2020, 12, 97-107.	0.3	2
2194	Inducing Salinity Tolerance in Mango (<i>Mangifera indica</i> L.) Cv. 'El-Gahrawey' by Sodium Silicate Pentahydrate and Glycine Betaine		
2198	Functional traits of okra cultivars (Chinese green and Chinese red) under salt stress. <i>Folia Horticulturae</i> , 2020, .	0.6	7
2199	Potential management practices of saltwater intrusion impacts on soil health and water quality: a review. <i>Journal of Water and Climate Change</i> , 2021, 12, 1327-1343.	1.2	6
2200	Dissecting the salt tolerance potential of cowpea genotypes based on morpho-physiology and yield-related attributes. <i>Annals of Applied Biology</i> , 0, , .	1.3	0
2201	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
2202	Effect of simultaneous shade and drought stress on morphology, leaf gas exchange, and yield parameters of different soybean cultivars. <i>Photosynthetica</i> , 2020, 58, 1200-1209.	0.9	7
2203	<i>Magnolia grandiflora</i> L. shows better responses to drought than <i>Magnolia soulangeana</i> in urban environment. <i>IForest</i> , 2020, 13, 575-583.	0.5	5

#	ARTICLE	IF	CITATIONS
2204	High levels of glucose alter <i>Physcomitrella patens</i> metabolism and trigger a differential proteomic response. <i>PLoS ONE</i> , 2020, 15, e0242919.	1.1	0
2205	The Variability of Grain Yield of Some Cowpea Genotypes in Response to Phosphorus and Water Stress under Field Conditions. <i>Agronomy</i> , 2021, 11, 28.	1.3	4
2206	A relook into plant wilting: observational evidence based on unsaturated soil-plant-photosynthesis interaction. <i>Scientific Reports</i> , 2020, 10, 22064.	1.6	24
2207	Effect of drought and heat stresses on photosynthesis, pigments, and xanthophyll cycle in alfalfa (<i>Medicago sativa</i> L.). <i>Photosynthetica</i> , 2020, 58, 1226-1236.	0.9	10
2208	Metabolic responses to drought stress and rehydration in leaves and roots of three Citrus scion/rootstock combinations. <i>Scientia Horticulturae</i> , 2022, 292, 110490.	1.7	15
2209	Biochar Amendment in Agricultural Soil for Mitigation of Abiotic Stress. , 2020, , 305-344.		1
2210	The Response of Major Food Crops to Drought Stress: Physiological and Biochemical Responses. , 2020, , 93-115.		3
2211	Genomics and Genetic Engineering of Rice Elucidating Cross Talk Between Stress Signaling and Nutrition Enhancement via Regulation of Antioxidant, Osmolyte, and Metabolite Levels. , 2020, , 409-432.		0
2212	Salinity Stress Management in Field Crops: An Overview of the Agronomic Approaches. , 2020, , 1-16.		1
2213	Effects of Salinity and Arbuscular Mycorrhizal Fungi (AMF) on Root Growth Development and Productivity of Chia (<i>Salvia hispanica</i> L.), a Promising Salt-Tolerant Crop, Under Mediterranean Conditions. , 2020, , 1-30.		0
2214	Use of Visâ€NIR reflectance data and regression models to estimate physiological and productivity traits in lucerne (<i>Medicago sativa</i>). <i>Crop and Pasture Science</i> , 2020, 71, 90.	0.7	3
2215	Abiotic Stresses Mediated Changes in Morphophysiology of Cotton Plant. , 2020, , 341-366.		5
2216	Silicon Mediated Alleviation of Salinity Stress Regulated by Silicon Transporter Genes (<i>Lsi1</i> and <i>Lsi2</i>) in Indica Rice. <i>Brazilian Archives of Biology and Technology</i> , 0, 63, .	0.5	8
2217	Kuraklı±k Stresi ve Bitki ProteomiÄyi. GÄ¼mÄ¼ÅYhane Äœeniversitesi Fen Bilimleri EnstitÄ¼sÄ¼ Dergisi, 0, , .	0.0	2
2218	Comparison of water and osmotic potentials on <i>Vigna unguiculata</i> stress response. <i>Revista Brasileira De Ciencia Do Solo</i> , 2020, 44, .	0.5	3
2219	PYRACLOSTROBIN PRESERVES PHOTOSYNTHESIS IN ARABICA COFFEE PLANTS SUBJECTED TO WATER DEFICIT. <i>Revista Engenharia Na Agricultura - REVENG</i> , 0, 28, 109-119.	0.2	0
2220	Why Manuela Chaves decided to become a scientist. <i>Theoretical and Experimental Plant Physiology</i> , 2020, 32, 1-4.	1.1	1
2221	A physiological approach for pre-selection of <i>Eucalyptus</i> clones resistant to drought. <i>IForest</i> , 2020, 13, 16-23.	0.5	8

#	ARTICLE	IF	CITATIONS
2222	Comparative proteomics analysis reveals important drought responsive proteins in the leaves of a potato variety tolerant to drought stress. <i>Pakistan Journal of Botany</i> , 2020, 52, .	0.2	0
2223	Effects of potassium in <i>Myracrodruon urundeuva</i> , <i>Libidibia ferrea</i> and <i>Mimosa tenuiflora</i> seedlings under a short-term water deficit. <i>Research, Society and Development</i> , 2020, 9, e97953269.	0.0	1
2224	Relationships between Methods of Electron Conductivity for Masa Soil and Effects on Tomato Growth under Saline Condition. <i>Japanese Journal of Farm Work Research</i> , 2020, 55, 3-11.	0.2	1
2225	Drought and Elevated Carbon Dioxide Impact the Morphophysiological Profile of Basil (<i>Ocimum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.6	0
2226	Exogenous Silicon Application Promotes Tolerance of Legumes and Their N ₂ Fixing Symbiosis to Salt Stress. <i>Silicon</i> , 2022, 14, 6517-6534.	1.8	14
2228	Low soil nutrient availability does not decrease post-drought recovery of <i>Brachiaria Mavuno</i> . <i>Revista Brasileira De Botanica</i> , 2021, 44, 849-858.	0.5	0
2229	The Responses of the Lipoxygenase Gene Family to Salt and Drought Stress in Foxtail Millet (<i>Setaria</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
2230	Physiological Responses of Bt cotton under Drought Stress. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2020, 9, 1239-1253.	0.0	0
2231	Influence of growth conditions on content of monolignols in <i>Phragmites australis</i> ™ leaves. <i>Věsník Harká-vsĚ1kogo NacĀ-onalĚ1nogo Agrarnogo UnĀ-versitetu SerĀ-Āĉ BĀ-ologič</i> , 2020, 2020, 48-57.	0.1	1
2232	Salinity impairs photosynthetic capacity and enhances carotenoid-related gene expression and biosynthesis in tomato (<i>Solanum lycopersicum</i> L. cv. Micro-Tom). <i>PeerJ</i> , 2020, 8, e9742.	0.9	9
2233	Stomatal and non-stomatal limitations of <i>Rosa hybrida</i> â€Pink Bellâ€™™ under drought stress. <i>Acta Horticulturae</i> , 2020, , 117-130.	0.1	1
2236	Photosynthetic Performance in Improved â€KDML105â€™™ Rice (<i>Oryza sativa</i> L.) Lines Containing Drought and Salt Tolerance Genes under Drought and Salt Stress. <i>Pertanika Journal of Science and Technology</i> , 2020, 43, .	0.1	3
2237	Plantâ€™Microbe Interactions: An Insight into the Underlying Mechanisms to Mitigate Diverse Environmental Stresses. <i>Rhizosphere Biology</i> , 2021, , 127-150.	0.4	0
2238	Characteristics of Growth, Yield, and Physiological Responses of Small-Sized Watermelons to Different Soil Moisture Contents Affected by Irrigation Starting Point in a Plastic Greenhouse. <i>Protected Horticulture and Plant Factory</i> , 2020, 29, 388-398.	0.4	4
2240	Leaf Stomatal Control over Acyl Peroxynitrate Dry Deposition to Trees. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2162-2170.	1.2	7
2241	Genetic Potential and Inheritance Pattern of Phenological Growth and Drought Tolerance in Cotton (L.). <i>Frontiers in Plant Science</i> , 2021, 12, 705392.	1.7	0
2242	Seed priming to enhance salt and drought stress tolerance in plants: advances and prospects. , 2022, , 441-464.		6
2243	Agronomical, Physiological and Biochemical Characterization of In Vitro Selected Eggplant Somaclonal Variants under NaCl Stress. <i>Plants</i> , 2021, 10, 2544.	1.6	5

#	ARTICLE	IF	CITATIONS
2244	Endogenous nitric oxide contributes to chloride and sulphate salinity tolerance by modulation of ion transporter expression and reestablishment of redox balance in <i>Brassica napus</i> cultivars. <i>Environmental and Experimental Botany</i> , 2022, 194, 104734.	2.0	12
2245	A Novel Role of Pípecolic Acid Biosynthetic Pathway in Drought Tolerance through the Antioxidant System in Tomato. <i>Antioxidants</i> , 2021, 10, 1923.	2.2	19
2246	Effect of long-term drought on tomato leaves: the impact on metabolic and antioxidative response. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 2805-2817.	1.4	4
2247	Salinity thresholds for understory plants in coastal wetlands. <i>Plant Ecology</i> , 2022, 223, 323-337.	0.7	15
2248	Chemical role of α -tocopherol in Salt Stress Mitigation by Improvement in Morpho-physiological Attributes of Sunflower (<i>Helianthus annuus</i> L.). <i>Saudi Journal of Biological Sciences</i> , 2021, 29, 1386-1393.	1.8	3
2249	Drought stress reduces crop carbon gain due to delayed photosynthetic induction under fluctuating light conditions. <i>Physiologia Plantarum</i> , 2022, 174, e13603.	2.6	18
2250	Profiling the physiological response of upland and lowland rice (<i>Oryza sativa</i> L.) genotypes to water deficit. <i>Journal of Crop Science and Biotechnology</i> , 2022, 25, 289-300.	0.7	3
2251	Morpho-physiological Responses of Tropical Rice to Potassium and Silicon Fertilization Under Water-Deficit Stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2023, 23, 220-237.	1.7	9
2252	Transcriptome Profiling of the Salt Stress Response in the Leaves and Roots of Halophytic <i>Eutrema salsugineum</i> . <i>Frontiers in Genetics</i> , 2021, 12, 770742.	1.1	18
2253	Discrepancy in photosynthetic responses of the red alga <i>Pyropia yezoensis</i> to dehydration stresses under exposure to desiccation, high salinity, and high mannitol concentration. <i>Marine Life Science and Technology</i> , 0, , 1.	1.8	0
2254	Interactive Effects of Drought and Saline Aerosol Stress on Morphological and Physiological Characteristics of Two Ornamental Shrub Species. <i>Horticulturae</i> , 2021, 7, 517.	1.2	8
2255	ACC deaminase producing plant growth promoting rhizobacteria enhance salinity stress tolerance in <i>Pisum sativum</i> . <i>3 Biotech</i> , 2021, 11, 514.	1.1	32
2256	Drought priming alleviated salinity stress and improved water use efficiency of wheat plants. <i>Plant Growth Regulation</i> , 2022, 96, 357-368.	1.8	11
2257	Key Proteins and Metabolic Pathways Involved in 24-Epibrasionlide Improving Drought Tolerance of <i>Rhododendron delavayi</i> Franch. <i>Horticulturae</i> , 2021, 7, 501.	1.2	1
2258	Regulation of Growth and Salt Resistance in Cucumber Seedlings by Hydrogen-Rich Water. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 134-153.	2.8	10
2259	Growth differential related to wood structure and function of <i>Eucalyptus</i> spp. clones adapted to seasonal drought stress. <i>Forest Systems</i> , 2021, 30, e014-e014.	0.1	1
2260	Effective Categorization of Tolerance to Salt Stress through Clustering <i>Prunus</i> Rootstocks According to Their Physiological Performances. <i>Horticulturae</i> , 2021, 7, 542.	1.2	10
2261	Physiological and transcriptional evaluation of sweet sorghum seedlings in response to single and combined drought and salinity stress. <i>South African Journal of Botany</i> , 2022, 146, 459-471.	1.2	10

#	ARTICLE	IF	CITATIONS
2262	New Insights into the Functional Role of Nitric Oxide and Reactive Oxygen Species in Plant Response to Biotic and Abiotic Stress Conditions. <i>Plant in Challenging Environments</i> , 2021, , 215-235.	0.4	1
2263	Changes in gene expression levels and chloroplast anatomy induced by <i>Leifsonia xyli</i> subsp. <i>xyli</i> in sugarcane. <i>Journal of Plant Interactions</i> , 2021, 16, 564-574.	1.0	2
2264	Plant Secondary Metabolites Produced in Response to Abiotic Stresses Has Potential Application in Pharmaceutical Product Development. <i>Molecules</i> , 2022, 27, 313.	1.7	126
2265	Stress-Responsive cis-Regulatory Elements Underline Podophyllotoxin Biosynthesis and Better Performance of <i>Sinopodophyllum hexandrum</i> Under Water Deficit Conditions. <i>Frontiers in Plant Science</i> , 2021, 12, 751846.	1.7	12
2266	Glyphosate hormesis attenuates water deficit stress in safflower (<i>Carthamus tinctorius</i> L.) by modulating physiological and biochemical mediators. <i>Science of the Total Environment</i> , 2022, 810, 152204.	3.9	14
2267	Transcriptome and metabolome analysis reveals the molecular mechanisms of <i>Tamarix taklamakanensis</i> under progressive drought and rehydration treatments. <i>Environmental and Experimental Botany</i> , 2022, 195, 104766.	2.0	18
2268	Humic acid modulates growth, photosynthesis, hormone and osmolytes system of maize under drought conditions. <i>Agricultural Water Management</i> , 2022, 263, 107447.	2.4	28
2269	Evaluation of Ionic Osmotica in Succulent and Non-succulent Xero-halophytes Inhabiting Hot Oases. <i>Catrina: the International Journal of Environmental Sciences</i> , 2020, 22, 77-90.	0.1	0
2270	Water Use Efficiency of <i>Acacia seyal</i> (Del.) in extreme arid environment prevails in South-Western Desert, Egypt. <i>Aswan University Journal of Environmental Studies</i> , 2020, 1, 28-37.	0.4	0
2271	Gas exchange, growth, and production of mini-watermelon under saline water irrigation and phosphate fertilization. <i>Semina: Ciencias Agrarias</i> , 2020, 41, 3039-3052.	0.1	7
2272	Trade-off between shoot and root dry weight along with a steady CO ₂ 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
2273	Kadmiumstressz detektálása alkalmazható in situ a szerves destruktív mérések segítségével. <i>Agrokémia Es Talajtan</i> , 2020, 69, 73-90.	0.1	0
2274	Production and Morphophysiology of Onion Grown Under Salinity and Fertilization with Silicon. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2275	Alleviation Mechanism of Drought Stress in Plants Using Metal Nanoparticles – A Perspective Analysis. <i>Sustainable Agriculture Reviews</i> , 2021, , 115-149.	0.6	4
2276	Influence of Light Intensity on Tobacco Responses to Drought Stress. <i>Kurdistan Journal of Applied Research</i> , 0, , 1-19.	0.4	0
2277	Melatonin Enhances Drought Tolerance by Regulating Leaf Stomatal Behavior, Carbon and Nitrogen Metabolism, and Related Gene Expression in Maize Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 779382.	1.7	20
2278	Salicylic acid mitigates salt induced toxicity through the modifications of biochemical attributes and some key antioxidants in <i>capsicum annum</i> . <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 1337-1347.	1.8	13
2279	Influence of drought stress on growth, biochemical changes and leaf gas exchange of strawberry (<i>Fragaria</i> – <i>ananassa</i> Duch.) in Indonesia. <i>AIMS Agriculture and Food</i> , 2022, 7, 37-60.	0.8	7

#	ARTICLE	IF	CITATIONS
2280	The cell cycle arrested results in the premature advent of apical leaflets development cessation in <i>Zygophyllum xanthoxylon</i> . <i>Trees - Structure and Function</i> , 2023, 37, 223-237.	0.9	1
2281	Estimation of leaf nitrogen levels in sugarcane using hyperspectral models. <i>Ciencia Rural</i> , 2022, 52, .	0.3	2
2282	Transcriptional and Physiological Analyses to Assess the Effects of a Novel Biostimulant in Tomato. <i>Frontiers in Plant Science</i> , 2021, 12, 781993.	1.7	9
2284	Effective Use of Water in Crop Plants in Dryland Agriculture: Implications of Reactive Oxygen Species and Antioxidative System. <i>Frontiers in Plant Science</i> , 2021, 12, 778270.	1.7	24
2285	Metabolome and Transcriptome Analyses Unravel the Molecular Regulatory Mechanisms Involved in Photosynthesis of <i>Cyclocarya paliurus</i> under Salt Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1161.	1.8	12
2286	Growth characteristics and bioactive compounds of dropwort subjected to high CO ₂ concentrations and water deficit. <i>Horticulture Environment and Biotechnology</i> , 2022, 63, 181.	0.7	4
2287	Next-Generation Proteomics Reveals a Greater Antioxidative Response to Drought in <i>Coffea arabica</i> Than in <i>Coffea canephora</i> . <i>Agronomy</i> , 2022, 12, 148.	1.3	10
2288	Exogenous putrescine attenuates the negative impact of drought stress by modulating physio-biochemical traits and gene expression in sugar beet (<i>Beta vulgaris</i> L.). <i>PLoS ONE</i> , 2022, 17, e0262099.	1.1	24
2289	Genotypic differences in response of durum wheat (<i>Triticum durum</i> Desf.) to lime-induced iron chlorosis. <i>Plant Direct</i> , 2022, 6, e377.	0.8	5
2290	Use of biostimulants in tolerance of drought stress in agricultural crops. , 2022, , 429-446.		3
2291	Response of Wheat Genotypes to Drought Stress Stimulated by PEG. <i>Stresses</i> , 2022, 2, 26-51.	1.8	10
2292	In vitro screening for salinity tolerance in pomegranate (<i>Punica granatum</i> L.) by morphological and molecular characterization. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	1.0	8
2293	Salt and osmotic stress-induced changes in physio-chemical responses, PSII photochemistry and chlorophyll a fluorescence in peanut. <i>Plant Stress</i> , 2022, 3, 100063.	2.7	30
2294	Metabolomic and transcriptomic analysis of <i>Lycium chinese</i> and <i>L. ruthenicum</i> under salinity stress. <i>BMC Plant Biology</i> , 2022, 22, 8.	1.6	14
2295	A comparative study on the leaf anatomical structure of <i>Camellia oleifera</i> in a low-hot valley area in Guizhou Province, China. <i>PLoS ONE</i> , 2022, 17, e0262509.	1.1	17
2296	Genotype-specific patterns of physiological and antioxidative responses in barley under salinity stress. <i>Cereal Research Communications</i> , 2022, 50, 851-863.	0.8	6
2297	Physiological Biochemistry-Combined Transcriptomic Analysis Reveals Mechanism of <i>Bacillus cereus</i> G2 Improved Salt-Stress Tolerance of <i>Glycyrrhiza uralensis</i> Fisch. Seedlings by Balancing Carbohydrate Metabolism. <i>Frontiers in Plant Science</i> , 2021, 12, 712363.	1.7	11
2298	Different sources of irrigation water affect heavy metal accumulation in soils and some properties of guava fruits. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	2.7	2

#	ARTICLE	IF	CITATIONS
2300	Poly- β -glutamic acid enhanced the drought resistance of maize by improving photosynthesis and affecting the rhizosphere microbial community. <i>BMC Plant Biology</i> , 2022, 22, 11.	1.6	20
2301	Integrative analysis of the transcriptome and metabolome reveals the mechanism of saline-alkali stress tolerance in <i>Astragalus membranaceus</i> (Fisch) Bge. var. <i>mongholicus</i> (Bge.) Hsiao. <i>Food Quality and Safety</i> , 2022, 6, .	0.6	6
2302	Physiological and Epigenetic Reaction of Barley (<i>Hordeum vulgare</i> L.) to the Foliar Application of Silicon under Soil Salinity Conditions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1149.	1.8	4
2303	Physiological and Biochemical Mechanisms of Exogenous Calcium Chloride on Alleviating Salt Stress in Two Tartary Buckwheat (<i>Fagopyrum tataricum</i>) Varieties Differing in Salinity Tolerance. <i>Phyton</i> , 2022, 91, 1643-1658.	0.4	3
2304	Topographic Controls on Stomatal and Mesophyll Limitations to Photosynthesis in Two Subalpine Conifers. <i>International Journal of Plant Sciences</i> , 0, , 000-000.	0.6	2
2305	Leaflet gas exchange and chlorophyll fluorescence evidence the sensitivity of young <i>Pinus</i> palms to progressive drought. <i>Acta Physiologiae Plantarum</i> , 2022, 44, 1.	1.0	4
2306	Sex-specific nitrogen allocation tradeoffs in the leaves of <i>Populus cathayana</i> cuttings under salt and drought stress. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 101-110.	2.8	12
2307	Lavender sensitivity to water stress: Comparison between eleven varieties across two phenological stages. <i>Industrial Crops and Products</i> , 2022, 177, 114531.	2.5	4
2308	Proteomics Analysis of Soybean Seedlings under Short-Term Water Deficit. <i>Phyton</i> , 2022, 91, 1-21.	0.4	0
2309	The Absence of the AtSYT1 Function Elevates the Adverse Effect of Salt Stress on Photosynthesis in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1751.	1.8	4
2310	Abiotic Stress Induces Morphological, Physiological, and Genetic Changes in <i>Orthosiphon stamineus</i> Benth. In Vitro Cultures. <i>Horticulturae</i> , 2022, 8, 153.	1.2	1
2311	Subsoiling before winter wheat cultivation increases photosynthetic characteristics and leaf water-use efficiency of summer maize in a double-cropping system. <i>Archives of Agronomy and Soil Science</i> , 0, , 1-14.	1.3	1
2312	Desiccation of the leaf mesophyll and its implications for CO ₂ diffusion and light processing. <i>Plant, Cell and Environment</i> , 2022, 45, 1362-1381.	2.8	15
2313	Exogenous strigolactones alleviate the photosynthetic inhibition and oxidative damage of cucumber seedlings under salt stress. <i>Scientia Horticulturae</i> , 2022, 297, 110962.	1.7	38
2314	Identifying Traits Associated With Terminal Drought Tolerance in Sesame (<i>Sesamum indicum</i> L.) Genotypes. <i>Frontiers in Plant Science</i> , 2021, 12, 739896.	1.7	14
2315	Sorghum in dryland: morphological, physiological, and molecular responses of sorghum under drought stress. <i>Planta</i> , 2022, 255, 20.	1.6	55
2316	Methionine-induced regulation of growth, secondary metabolites and oxidative defense system in sunflower (<i>Helianthus annuus</i> L.) plants subjected to water deficit stress. <i>PLoS ONE</i> , 2021, 16, e0259585.	1.1	14
2317	Exogenous salicylic acid-induced drought stress tolerance in wheat (<i>Triticum aestivum</i> L.) grown under hydroponic culture. <i>PLoS ONE</i> , 2021, 16, e0260556.	1.1	65

#	ARTICLE	IF	CITATIONS
2318	Plant drought stress tolerance: understanding its physiological, biochemical and molecular mechanisms. <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 1912-1925.	0.5	49
2319	Low Temperature Stress and Plant-Water Relationship: A Review. , 2022, , 107-197.		2
2320	Modulation of abscisic acid signaling for stomatal operation under salt stress conditions. <i>Advances in Botanical Research</i> , 2022, , 89-121.	0.5	2
2321	Remote Sensing Technologyâ€”A New Dimension in Detection, Quantification and Tracking of Abiotic and Biotic Stresses. <i>Advances in Science, Technology and Innovation</i> , 2022, , 445-457.	0.2	1
2323	A Heat Shock Transcription Factor Gene (Hahsfa1) from a Desert Shrub, Haloxylon Ammodendron, Elevates Salt Tolerance in Arabidopsis Thaliana. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2324	Low-Temperature Stress and Nitrogen Metabolism in Plants: A Review. , 2022, , 299-407.		3
2325	Application of omics technologies in single-type guard cell studies for understanding the mechanistic basis of plant adaptation to saline conditions. <i>Advances in Botanical Research</i> , 2022, , 249-270.	0.5	2
2326	Negative Impacts of Sea-Level Rise on Soil Microbial Involvement in Carbon Metabolisms. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2327	Designing Genomic Solutions to Enhance Abiotic Stress Resistance in Flax. , 2022, , 251-283.		2
2328	Vineyard water balance and use. , 2022, , 105-123.		2
2329	Signaling molecules and transcriptional reprogramming for stomata operation under salt stress. <i>Advances in Botanical Research</i> , 2022, , .	0.5	0
2330	Effect of Low Temperature Stress on Photosynthesis and Allied Traits: A Review. , 2022, , 199-297.		6
2331	Differences in biochemical, physiological and molecular response mechanisms of rice, weedy rice and barnyardgrass subjected to drought. <i>Pesquisa Agropecuaria Tropical</i> , 0, 52, .	1.0	0
2332	Ectopic Expression of the <i>Allium cepa</i> 1-SST Gene in Cotton Improves Drought Tolerance and Yield Under Drought Stress in the Field. <i>Frontiers in Plant Science</i> , 2021, 12, 783134.	1.7	5
2333	Growth Performance and Nitrogen Fixing Efficiency of Faba Bean (<i>Vicia faba</i> L.) Genotypes in Symbiosis with Rhizobia under Combined Salinity and Hypoxia Stresses. <i>Agronomy</i> , 2022, 12, 606.	1.3	4
2334	Effect of Irrigation Water and Organic Fertilizer on Reducing Nitrate Accumulation and Boosting Lettuce Productivity. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2144-2155.	1.7	52
2335	Salt Stress Induced Changes in Photosynthesis and Metabolic Profiles of One Tolerant (â€”Bonicaâ€™) and One Sensitive (â€”Black Beautyâ€™) Eggplant Cultivars (<i>Solanum melongena</i> L.). <i>Plants</i> , 2022, 11, 590.	1.6	26
2336	The Differential Response of Intracellular Water Metabolism Derived from Intrinsic Electrophysiological Information in <i>Morus alba</i> L. and <i>Broussonetia papyrifera</i> (L.) Vent. Subjected to Water Shortage. <i>Horticulturae</i> , 2022, 8, 182.	1.2	2

#	ARTICLE	IF	CITATIONS
2337	Exogenous supplementation with sodium nitroprusside, a nitric oxide donor, mitigates the effects of salinity in <i>Abelmoschus esculentus</i> L. seedlings. <i>Horticulture Environment and Biotechnology</i> , 0, , 1.	0.7	1
2338	Influence of Burning-Induced Electrical Signals on Photosynthesis in Pea Can Be Modified by Soil Water Shortage. <i>Plants</i> , 2022, 11, 534.	1.6	8
2339	Scrutinizing the Application of Saline Endophyte to Enhance Salt Tolerance in Rice and Maize Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 770084.	1.7	21
2340	Profiling of Water-Use Efficiency in Switchgrass (<i>Panicum virgatum</i> L.) and the Relationship with Cadmium Accumulation. <i>Agronomy</i> , 2022, 12, 507.	1.3	2
2341	Detecting short-term stress and recovery events in a vineyard using tower-based remote sensing of photochemical reflectance index (PRI). <i>Irrigation Science</i> , 2022, 40, 683-696.	1.3	10
2342	Salinity Eustress Increases the Biosynthesis and Accumulation of Phenolic Compounds That Improve the Functional and Antioxidant Quality of Red Lettuce. <i>Agronomy</i> , 2022, 12, 598.	1.3	20
2343	Evaluation of water deficit tolerance in maize genotypes using biochemical, physio-morphological changes and yield traits as multivariate cluster analysis. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2022, 50, 12572.	0.5	4
2344	O potÃssio atenua os efeitos do dÃ©ficit hÃ©drico em mudas de pereiro (<i>Aspidosperma pyrifolium</i> Mart.) Tj ETQq1 1 0.784314 rgBT / Dv 0.0	0.0	0
2345	Metabolomic Response to Drought Stress in <i>Belosynapsis ciliata</i> (Blume) â€Qiuhongâ€™. <i>Agronomy</i> , 2022, 12, 466.	1.3	1
2346	Comparative proteomic analysis for revealing the advantage mechanisms of salt-tolerant tomato (<i>Solanum lycopersicum</i>). <i>PeerJ</i> , 2022, 10, e12955.	0.9	1
2347	The influence of water deficit and re-watering on flower bud morphogenesis in young apricot trees (<i>Prunus armeniaca</i> L.). <i>Acta Horticulturae</i> , 2022, , 499-506.	0.1	0
2348	Assessment of the Impact of the Application of a Quercetinâ€Copper Complex on the Course of Physiological and Biochemical Processes in Wheat Plants (<i>Triticum aestivum</i> L.) Growing under Saline Conditions. <i>Cells</i> , 2022, 11, 1141.	1.8	4
2349	Molecular Mechanism of Organic Pollutant-Induced Reduction of Carbon Fixation and Biomass Yield in <i>Oryza sativa</i> L.. <i>Environmental Science & Technology</i> , 2022, 56, 4162-4172.	4.6	12
2350	Low Salt Treatment Results in Plant Growth Enhancement in Tomato Seedlings. <i>Plants</i> , 2022, 11, 807.	1.6	6
2351	Effects of Drought Stress and Rehydration on Physiological and Biochemical Properties of Four Oak Species in China. <i>Plants</i> , 2022, 11, 679.	1.6	18
2352	Maize (<i>Zea mays</i>) Response to Abiotic Stress. , 0, , .		0
2353	Investigating applied drought in <i>Miscanthus sinensis</i> ; sensitivity, response mechanisms, and subsequent recovery. <i>GCB Bioenergy</i> , 0, , .	2.5	2
2354	Enhancement of drought tolerance in <i>Arabidopsis</i> plants induced by sulfur dioxide. <i>Ecotoxicology</i> , 2022, 31, 637-648.	1.1	5

#	ARTICLE	IF	CITATIONS
2355	Dynamics of non-structural carbohydrates in <i>Pinus pallasiana</i> D. Don needles under different forest growth conditions of ravine anti-erosion plantations. <i>Folia Forestalia Polonica, Series A</i> , 2022, 64, 38-48.	0.1	0
2356	Variability of the photosynthetic machinery tolerance when imposed to rapidly or slowly imposed dehydration in native Mediterranean plants. <i>Photosynthetica</i> , 2022, 60, 88-101.	0.9	5
2357	Effect of Water Stress on Physiological and Morphological Leaf Traits: A Comparison among the Three Widely-Spread Invasive Alien Species <i>Ailanthus altissima</i> , <i>Phytolacca americana</i> , and <i>Robinia pseudoacacia</i> . <i>Plants</i> , 2022, 11, 899.	1.6	13
2358	Nitrogen metabolism plays a major role in the adaptation of the halophytic forage species <i>Sulla carnosa</i> to water deficit and upon stress recovery. <i>Plant Biosystems</i> , 2022, 156, 1438-1447.	0.8	0
2359	Amplified Drought and Seasonal Cycle Modulate <i>Quercus pubescens</i> Leaf Metabolome. <i>Metabolites</i> , 2022, 12, 307.	1.3	7
2360	Quantifying Agricultural Drought Severity for Spring Wheat Based on Response of Leaf Photosynthetic Features to Progressive Soil Drying. <i>Atmosphere</i> , 2022, 13, 531.	1.0	2
2361	Transcriptomic analysis of methyl jasmonate treatment reveals gene networks involved in drought tolerance in pearl millet. <i>Scientific Reports</i> , 2022, 12, 5158.	1.6	12
2362	Effects of Irrigation with Microcystin-Containing Water on Growth, Physiology, and Antioxidant Defense in Strawberry <i>Fragaria vulgaris</i> under Hydroponic Culture. <i>Toxins</i> , 2022, 14, 198.	1.5	3
2363	A Review of the Effects of Climate Extremes on Agriculture Production. , 2022, , 198-219.		0
2364	Enhanced Photosynthetic Capacity, Osmotic Adjustment and Antioxidant Defenses Contribute to Improve Tolerance to Moderate Water Deficit and Recovery of Triploid Citrus Genotypes. <i>Antioxidants</i> , 2022, 11, 562.	2.2	10
2365	Solar-Induced Chlorophyll Fluorescence Trends and Mechanisms in Different Ecosystems in Northeastern China. <i>Remote Sensing</i> , 2022, 14, 1329.	1.8	3
2367	Mechanistic Insights of Plant Growth Promoting Bacteria Mediated Drought and Salt Stress Tolerance in Plants for Sustainable Agriculture. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3741.	1.8	71
2368	Characterization of Ribulose-1,5-bisphosphate carboxylase-oxygenase activase (Rca) genes in durum wheat. <i>Genetic Resources and Crop Evolution</i> , 2022, 69, 2191-2202.	0.8	1
2369	Evaporation-Driven Density Instabilities in Saturated Porous Media. <i>Transport in Porous Media</i> , 2022, 143, 297-341.	1.2	5
2370	Brassinolide can improve drought tolerance of maize seedlings under drought stress: By inducing the photosynthetic performance, antioxidant capacity and ZmMYB gene expression of maize seedlings. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2092-2104.	1.7	7
2371	Sustainable Biochar and/or Melatonin Improve Salinity Tolerance in Borage Plants by Modulating Osmotic Adjustment, Antioxidants, and Ion Homeostasis. <i>Plants</i> , 2022, 11, 765.	1.6	52
2372	Transcriptional Activation of Glutamate Decarboxylase and F-Box DUF Protein-Encoding Genes Promote Enhanced Abiotic Stress Tolerance and Improved Agronomic Traits in Indica Rice. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	2.8	0
2373	Pretreatment with LEDs regulates antioxidant capacity and polyphenolic profile in two genotypes of basil under salinity stress. <i>Protoplasma</i> , 2022, 259, 1567-1583.	1.0	2

#	ARTICLE	IF	CITATIONS
2374	Salt stress induces Kranz anatomy and expression of C4 photosynthetic enzymes in the amphibious sedge <i>Eleocharis vivipara</i> . <i>Photosynthesis Research</i> , 2022, 153, 93-102.	1.6	2
2375	Influence of exogenous abscisic acid on morpho-physiological and yield of maize (<i>Zea mays</i> L.) under drought stress. <i>Plant Science Today</i> , 0, , .	0.4	1
2376	Defense response-like reaction associated with an anomaly in <i>Eucalyptus grandis</i> . <i>Trees - Structure and Function</i> , 0, , 1.	0.9	0
2377	Genetic and Physiological Responses to Heat Stress in <i>Brassica napus</i> . <i>Frontiers in Plant Science</i> , 2022, 13, 832147.	1.7	10
2378	Time-course transcriptome and WGCNA analysis revealed the drought response mechanism of two sunflower inbred lines. <i>PLoS ONE</i> , 2022, 17, e0265447.	1.1	15
2379	Application of RNA sequencing to understand the benefits of endophytes in the salt-alkaline resistance of rice seedlings. <i>Environmental and Experimental Botany</i> , 2022, 196, 104820.	2.0	5
2380	Effects of oil contamination on plant growth and development: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 43501-43515.	2.7	11
2381	Positive effects of NaCl on the photoreaction and carbon assimilation efficiency in <i>Suaeda salsa</i> . <i>Plant Physiology and Biochemistry</i> , 2022, 177, 32-37.	2.8	11
2382	Decoding the potential of a new <i>Pseudomonas putida</i> strain for inducing drought tolerance of tomato (<i>Solanum lycopersicum</i>) plants through seed biopriming. <i>Journal of Plant Physiology</i> , 2022, 271, 153658.	1.6	13
2383	Mechanistic insights of plant-microbe interaction towards drought and salinity stress in plants for enhancing the agriculture productivity. <i>Plant Stress</i> , 2022, 4, 100073.	2.7	32
2384	Phenotyping to dissect the biostimulant action of a protein hydrolysate in tomato plants under combined abiotic stress. <i>Plant Physiology and Biochemistry</i> , 2022, 179, 32-43.	2.8	20
2385	Polyamines mitigate the destructive impacts of salinity stress by enhancing photosynthetic capacity, antioxidant defense system and upregulation of calvin cycle-related genes in rapeseed (<i>Brassica napus</i>) Tj ETQq1 1 107843142gBT /Over	1.7	14
2386	Significant response of microbial community to increased salinity across wetland ecosystems. <i>Geoderma</i> , 2022, 415, 115778.	2.3	20
2387	Dissecting the genetic control of natural variation in sorghum photosynthetic response to drought stress. <i>Journal of Experimental Botany</i> , 2021, , .	2.4	5
2388	Tuz ve Kuraklık Stresi Altında Yetiştirilen Buğday Bitkisine (<i>Triticum aestivum</i> L.) Silikon Uygulamalarının Bazı Stres Parametreleri Üzerine Etkisi. <i>Journal of the Institute of Science and Technology</i> , 0, , 2559-2572.	0.3	0
2389	Reducing the Halotolerance Gap between Sensitive and Resistant Tomato by Spraying Melatonin. <i>Agronomy</i> , 2022, 12, 84.	1.3	5
2390	Impacts of saline stress on the physiology of <i>Saccharum</i> complex genotypes. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 120-126.	1.7	1
2391	Assessment of drought resistance in sorghum CMS lines based on various sterility sources. <i>Proceedings on Applied Botany, Genetics and Breeding</i> , 2021, 182, 9-17.	0.1	2

#	ARTICLE	IF	CITATIONS
2392	Makedonya meÅyesi (Quercus trojana P.B. Webb.) fidanlarÄ±nda kuraklÄ±k stresinin su potansiyeli ve gaz deÅyiÅim parametreleri Ä¼zerindeki etkisi. Turkish Journal of Forestry TÄ¼rkiye OrmancÄ±lÄ±k Dergisi, 0, , 366-370.	0.1	0
2393	Is Photoprotection of PSII One of the Key Mechanisms for Drought Tolerance in Maize?. International Journal of Molecular Sciences, 2021, 22, 13490.	1.8	16
2394	Effects of exogenous glycine betaine application on some physiological and biochemical properties of cotton (G. hirsutum L.) plants grown in different drought levels. International Journal of Agriculture Environment and Food Sciences, 2021, 5, 689-700.	0.2	2
2395	Manipulation of light spectrum can improve the performance of photosynthetic apparatus of strawberry plants growing under salt and alkalinity stress. PLoS ONE, 2021, 16, e0261585.	1.1	13
2396	Physiological and Morphometric Response of Forage Grass Species and Their Biomass Distribution Depending on the Term and Frequency of Water Deficiency. Agronomy, 2021, 11, 2471.	1.3	5
2398	Effect of Three Water Regimes on the Physiological and Anatomical Structure of Stem and Leaves of Different Citrus Rootstocks with Distinct Degrees of Tolerance to Drought Stress. Horticulturae, 2021, 7, 554.	1.2	13
2399	Salt Tolerance, Morphological and Anatomical Responses of in vitro Indigofera zollingeriana Miq. Seedling. ISPEC Journal of Agricultural Sciences, 2021, 5, 949-957.	0.0	0
2400	Salinity stress affects growth and physiology of mulberry (Morus sp.). IOP Conference Series: Earth and Environmental Science, 2021, 948, 012049.	0.2	0
2401	Genetic Potential and Inheritance Pattern of Phenological Growth and Drought Tolerance in Cotton (Gossypium Hirsutum L.). Frontiers in Plant Science, 2021, 12, 705392.	1.7	17
2403	Silicon improves salinity tolerance in crop plants: Insights into photosynthesis, defense system, and production of phytohormones. , 2022, , 91-103.		5
2404	Response of Summer Maize Growth and Water Use to Different Irrigation Regimes. Agronomy, 2022, 12, 768.	1.3	8
2405	Seasonal Variations in Leaf Maximum Photosynthetic Capacity and Its Dependence on Climate Factors Across Global FLUXNET Sites. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	4
2406	Photosynthetic Carbon Fixation and Sucrose Metabolism Supplemented by Weighted Gene Co-expression Network Analysis in Response to Water Stress in Rice With Overlapping Growth Stages. Frontiers in Plant Science, 2022, 13, 864605.	1.7	13
2407	Osmotic Adjustment and Antioxidant System Regulated by Nitrogen Deposition Improve Photosynthetic and Growth Performance and Alleviate Oxidative Damage in Dwarf Bamboo Under Drought Stress. Frontiers in Plant Science, 2022, 13, 819071.	1.7	3
2408	Silicon-mediated modulation of physiological attributes, and pollen morphology under normal and water-deficit conditions in rice (Oryza sativa L.). Cereal Research Communications, 2022, 50, 929-939.	0.8	1
2409	The role of potassium on drought resistance of winter wheat cultivars under cold dryland conditions: Probed by chlorophyll a fluorescence. Plant Physiology and Biochemistry, 2022, 182, 45-54.	2.8	25
2461	Can Osmotic Adjustment of Tomato Under Mild Soil Salinity Enhance Drought Resistance Without Na+ Exceeding Toxicity Threshold?. SSRN Electronic Journal, 0, , .	0.4	0
2462	Explore the RNA-sequencing and the next-generation sequencing in crops responding to abiotic stress. , 2022, , 161-175.		0

#	ARTICLE	IF	CITATIONS
2463	Nitric Oxide Enhanced Salt Stress Tolerance in Tomato Seedlings, Involving Phytohormone Equilibrium and Photosynthesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4539.	1.8	22
2464	Development of an Algorithm to Indicate the Right Moment of Plant Watering Using the Analysis of Plant Biomasses Based on <i>Dahlia × hybrida</i> . <i>Sustainability</i> , 2022, 14, 5165.	1.6	0
2465	Rhizosphere Signaling: Insights into Plant–Rhizomicrobiome Interactions for Sustainable Agronomy. <i>Microorganisms</i> , 2022, 10, 899.	1.6	31
2466	Growth, photosynthesis and production of safflower (<i>Carthamus tinctorius</i> L.) in response to different levels of salinity and drought. <i>International Agrophysics</i> , 2022, 36, 93-104.	0.7	0
2467	Proteomic Investigation of Molecular Mechanisms in Response to PEG-Induced Drought Stress in Soybean Roots. <i>Plants</i> , 2022, 11, 1173.	1.6	5
2468	Small paraquat resistance proteins modulate paraquat and ABA responses and confer drought tolerance to overexpressing <i>Arabidopsis</i> plants. <i>Plant, Cell and Environment</i> , 2022, 45, 1985-2003.	2.8	5
2469	Comprehensive Evolutionary Analysis of CPP Genes in <i>Brassica napus</i> L. and Its Two Diploid Progenitors Revealing the Potential Molecular Basis of Allopolyploid Adaptive Advantage Under Salt Stress. <i>Frontiers in Plant Science</i> , 2022, 13, 873071.	1.7	4
2470	Role of Promising Secondary Metabolites to Confer Resistance Against Environmental Stresses in Crop Plants: Current Scenario and Future Perspectives. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	28
2471	The genome of the recretahalophyte <i>Limonium bicolor</i> provides insights into salt gland development and salinity adaptation during terrestrial evolution. <i>Molecular Plant</i> , 2022, 15, 1024-1044.	3.9	26
2472	Comparative transcriptomic analysis of the super hybrid rice Chaoyouqianhao under salt stress. <i>BMC Plant Biology</i> , 2022, 22, 233.	1.6	8
2473	Acidic and Alkaline Conditions Affect the Growth of Tree Peony Plants via Altering Photosynthetic Characteristics, Limiting Nutrient Assimilation, and Impairing ROS Balance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5094.	1.8	5
2474	Quantification of salt stress in wheat leaves by Raman spectroscopy and machine learning. <i>Scientific Reports</i> , 2022, 12, 7197.	1.6	4
2475	Warming may extend tree growing seasons and compensate for reduced carbon uptake during dry periods. <i>Journal of Ecology</i> , 2022, 110, 1575-1589.	1.9	10
2476	Auxin response factors in plant adaptation to drought and salinity stress. <i>Physiologia Plantarum</i> , 2022, 174, e13714.	2.6	44
2477	Distinct Tomato Cultivars Are Characterized by a Differential Pattern of Biochemical Responses to Drought Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5412.	1.8	4
2478	Role of LOC_Os01g68450, Containing DUF2358, in Salt Tolerance Is Mediated via Adaptation of Absorbed Light Energy Dissipation. <i>Plants</i> , 2022, 11, 1233.	1.6	2
2479	Leaf anatomical alterations reduce cotton's mesophyll conductance under dynamic drought stress conditions. <i>Plant Journal</i> , 2022, 111, 391-405.	2.8	11
2480	Genome-wide analysis of MdABF Subfamily and functional identification of MdABF1 in drought tolerance in apple. <i>Environmental and Experimental Botany</i> , 2022, 199, 104904.	2.0	1

#	ARTICLE	IF	CITATIONS
2481	Climate Change and Its Adverse Impacts on Plant Growth in South Asia: Current Status and Upcoming Challenges. <i>Phyton</i> , 2022, 91, 695-711.	0.4	9
2482	Coupled effects of soil drying and salinity on soil plant hydraulics. <i>Plant Physiology</i> , 2022, 190, 1228-1241.	2.3	11
2483	Breeding Chickpea for Climate Resilience: An Overview. , 2022, , 27-58.		1
2484	Mechanisms Underlying Root System Architecture and Gene Expression Pattern in Pearl Millet (<i>Pennisetum glaucum</i>). <i>Gesunde Pflanzen</i> , 2022, 74, 983-996.	1.7	2
2485	Expression Analysis and Interaction Protein Screening of CRY1 in Strawberry. <i>Horticulturae</i> , 2022, 8, 460.	1.2	1
2486	<i>Salix myrtilleacea</i> Female Cuttings Performed Better Than Males under Nitrogen Deposition on Leaves and Drought Conditions. <i>Forests</i> , 2022, 13, 821.	0.9	6
2487	A comparative analysis of photosynthetic function and reactive oxygen species metabolism responses in two hibiscus cultivars under saline conditions. <i>Plant Physiology and Biochemistry</i> , 2022, 184, 87-97.	2.8	8
2488	Salinity Tolerance of Halophytic Grass <i>Puccinellia nuttalliana</i> Is Associated with Enhancement of Aquaporin-Mediated Water Transport by Sodium. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5732.	1.8	4
2489	Negative impacts of sea-level rise on soil microbial involvement in carbon metabolism. <i>Science of the Total Environment</i> , 2022, 838, 156087.	3.9	7
2492	Evaluation of Green Super Rice Lines for Agronomic and Physiological Traits under Salinity Stress. <i>Plants</i> , 2022, 11, 1461.	1.6	3
2493	The Role of Nitric Oxide in Plant Responses to Salt Stress. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6167.	1.8	29
2494	A <i>Diaporthe</i> Fungal Endophyte From a Wild Grass Improves Growth and Salinity Tolerance of <i>Tritordeum</i> and Perennial Ryegrass. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	7
2495	Response of the spring wheat cereal aphid system to drought: support for the plant vigour hypothesis. <i>Journal of Pest Science</i> , 2023, 96, 523-537.	1.9	5
2496	New insights into the role of melatonin in photosynthesis. <i>Journal of Experimental Botany</i> , 2022, 73, 5918-5927.	2.4	20
2497	Effects of deficit irrigation with saline water on yield and grape composition of <i>Vitis vinifera</i> L. cv. Monastrell. <i>Irrigation Science</i> , 2023, 41, 469-485.	1.3	3
2498	Metabolomics reveals primary response of wheat (<i>Triticum aestivum</i>) to irrigation with oilfield produced water. <i>Environmental Research</i> , 2022, 212, 113547.	3.7	6
2500	Recovery of trembling aspen, tamarack, and white spruce seedlings from NaCl stress following winter dormancy: implications for increased foliar potassium, necrosis, and sodium management as stress resistance mechanisms. <i>Trees - Structure and Function</i> , 2022, 36, 1633-1648.	0.9	1
2501	Arbuscular mycorrhizal fungi for salinity stress: Anti-stress role and mechanisms. <i>Pedosphere</i> , 2023, 33, 212-224.	2.1	3

#	ARTICLE	IF	CITATIONS
2502	Ecophysiological Responses of Tall Wheatgrass Germplasm to Drought and Salinity. <i>Plants</i> , 2022, 11, 1548.	1.6	4
2503	Physiological and Transcriptional Responses to Saline Irrigation of Young "Tempranillo" Vines Grafted Onto Different Rootstocks. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
2504	Water-deficit effects on canopy light interception, chlorophyll fluorescence, and stomatal conductance in Moroccan alfalfa genotypes. <i>Plant Physiology Reports</i> , 0, , .	0.7	0
2505	The role of amino acids in the regulation of stress resistance of the cereal crops. <i>Fiziologia Rastenij i Genetika</i> , 2022, 54, 251-269.	0.1	0
2506	Rizobactérias Promotoras do Crescimento de Plantas promovem ajustes anatômicos nas folhas de espécies nativas da Caatinga sob déficit hídrico. <i>Journal of Environmental Analysis and Progress</i> , 2022, 7, 104-116.	0.0	0
2507	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
2508	The Role of <i>Serendipita indica</i> (<i>Piriformospora indica</i>) in Improving Plant Resistance to Drought and Salinity Stresses. <i>Biology</i> , 2022, 11, 952.	1.3	18
2509	Conceptualizing Multiple Stressors and Their Consequences in Agroforestry Systems. <i>Stresses</i> , 2022, 2, 242-255.	1.8	4
2510	Barley with improved drought tolerance: Challenges and perspectives. <i>Environmental and Experimental Botany</i> , 2022, 201, 104965.	2.0	11
2511	Suffer or Survive: Decoding Salt-Sensitivity of Lemongrass and Its Implication on Essential Oil Productivity. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	11
2512	Aridity and High Salinity, Rather Than Soil Nutrients, Regulate Nitrogen and Phosphorus Stoichiometry in Desert Plants from the Individual to the Community Level. <i>Forests</i> , 2022, 13, 890.	0.9	2
2513	Effects of foliar-spraying nitric oxide on the carbon metabolism enzymes activities and nutrients in leaves and roots of <i>Reaumuria soongorica</i> (pall.) maxim seedlings under NaCl stress. <i>Plant Stress</i> , 2022, 5, 100096.	2.7	0
2514	Morphology, biochemistry, and yield of cassava as functions of growth stage and water regime. <i>South African Journal of Botany</i> , 2022, 149, 222-239.	1.2	3
2515	A heat shock transcription factor gene (<i>HaHSFA1</i>) from a desert shrub, <i>Haloxylon ammodendron</i> , elevates salt tolerance in <i>Arabidopsis thaliana</i> . <i>Environmental and Experimental Botany</i> , 2022, 201, 104954.	2.0	6
2516	Can prolonged conditions of water deficit alter photosynthetic performance and water relations of coffee plants in central-west Colombia?. <i>South African Journal of Botany</i> , 2022, 149, 366-375.	1.2	11
2517	Crop exposure to salinity stress under elevated CO ₂ : responses in physiological, biochemical, and molecular levels. , 2022, , 73-89.		0
2518	Physiological Response of Oat (<i>Avena sativa</i> L.) to the Foliar Application of Silicon in Conditions of Increased soil Salinity. , 0, , .		0
2519	Screening and selection of physio-biochemical traits to detect high temperature tolerance using multivariate analysis in tomato genotypes (<i>Lycopersicon esculentum</i> Mill). <i>Acta Physiologiae Plantarum</i> , 2022, 44, .	1.0	2

#	ARTICLE	IF	CITATIONS
2520	Adaptative Mechanisms of Halophytic <i>Eutrema salsugineum</i> Encountering Saline Environment. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
2521	The Apple Lipoxygenase MdLOX3 Regulates Salt Tolerance and ABA Sensitivity. <i>Horticulturae</i> , 2022, 8, 651.	1.2	4
2523	Identification and Characterization of the Core Region of ZmDi19-5 Promoter Activity and Its Upstream Regulatory Proteins. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7390.	1.8	0
2524	Effects of drought stress during critical periods on the photosynthetic characteristics and production performance of Naked oat (<i>Avena nuda</i> L.). <i>Scientific Reports</i> , 2022, 12, .	1.6	17
2525	Comparative transcriptomics reveals key genes contributing to the differences in drought tolerance among three cultivars of foxtail millet (<i>Setaria italica</i>). <i>Plant Growth Regulation</i> , 2023, 99, 45-64.	1.8	6
2526	Cloning and function analysis of a <i>Saussurea involucreta</i> LEA4 gene. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
2527	Differential seedling growth and tolerance indices reflect drought tolerance in cotton. <i>BMC Plant Biology</i> , 2022, 22, .	1.6	12
2528	Effects of Intermittent Drought on the Essential Oil Yield, Contents, and Nutrient Status of <i>Mentha longifolia</i> (L.) Huds.. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2022, 25, 626-638.	0.7	9
2529	Growth, Gas Exchange, and Mineral Nutrients of <i>Albizia julibrissin</i> and <i>Sophora japonica</i> Irrigated with Saline Water. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2022, 57, 841-850.	0.5	0
2530	Influence of drought duration and severity on drought recovery period for different land cover types: evaluation using MODIS-based indices. <i>Ecological Indicators</i> , 2022, 141, 109146.	2.6	16
2531	Effects of periodic drought with severe exhaust exposure on particle retention capacity and physiological responses of <i>Photinia Fraseri</i> Dress. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113807.	2.9	1
2532	A double-edged effect of manganese-doped graphene quantum dots on salt-stressed <i>Capsicum annuum</i> L.. <i>Science of the Total Environment</i> , 2022, 844, 157160.	3.9	7
2533	Sensitivity of fast chlorophyll fluorescence parameters to combined heat and drought stress in wheat genotypes. <i>Plant, Soil and Environment</i> , 2022, 68, 309-316.	1.0	9
2534	Response of Potted <i>Hebe andersonii</i> to Salinity under an Efficient Irrigation Management. <i>Agronomy</i> , 2022, 12, 1696.	1.3	2
2535	Consequences of saline-dry conditions to the soil–plant–air continuum. <i>Plant Physiology</i> , 0, , .	2.3	0
2536	A synthetic cytokinin primes photosynthetic and growth response in grapevine under ion-independent salinity stress. <i>Journal of Plant Interactions</i> , 2022, 17, 789-800.	1.0	3
2537	Osmotic adjustment of tomato under mild soil salinity can enhance drought resistance. <i>Environmental and Experimental Botany</i> , 2022, 202, 105004.	2.0	7
2538	Morphophysiological Responses of Black Pepper to Recurrent Water Deficit. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
2540	Meta-analysis of the effect of melatonin application on abiotic stress tolerance in plants. <i>Plant Biotechnology Reports</i> , 0, , .	0.9	3
2541	Simple Phenotypic Sensor for Visibly Tracking H ₂ O ₂ Fluctuation to Detect Plant Health Status. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 10058-10064.	2.4	4
2542	Responses of Four Peatland Emergent Macrophytes to Salinity and Short Salinity Pulses. <i>Wetlands</i> , 2022, 42, .	0.7	3
2543	The effect of supplementary light on the photosynthetic apparatus of strawberry plants under salinity and alkalinity stress. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
2544	Alleviating Drought Stress in <i>Brassica juncea</i> (L.) Czern & Coss. by Foliar Application of Biostimulants Orthosilicic Acid and Seaweed Extract. <i>Applied Biochemistry and Biotechnology</i> , 2023, 195, 693-721.	1.4	5
2545	Dodder-transmitted mobile systemic signals activate a salt-stress response characterized by a transcriptome change in <i>Citrus sinensis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
2546	Quantitative System Modeling Bridges the Gap between Macro- and Microscopic Stomatal Model. <i>Advanced Biology</i> , 0, , 2200131.	1.4	1
2547	Reactivation of the Photosynthetic Apparatus of Resurrection Plant <i>Haberlea rhodopensis</i> during the Early Phase of Recovery from Drought- and Freezing-Induced Desiccation. <i>Plants</i> , 2022, 11, 2185.	1.6	8
2548	Positive selection and heat response transcriptomes reveal adaptive features of the Brassicaceae desert model, <i>Anastatica hierochuntica</i> . <i>New Phytologist</i> , 2022, 236, 1006-1026.	3.5	6
2549	Combined Effect of Organic Amendments and Seed Placement Techniques on Sorghum Yield Under Salt-Stressed Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	1.7	1
2550	Over-Expression of an R2R3 MYB Gene, MdMYB108L, Enhances Tolerance to Salt Stress in Transgenic Plants. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9428.	1.8	9
2552	Transcriptomic and metabolomic reveals silicon enhances adaptation of rice under dry cultivation by improving flavonoid biosynthesis, osmoregulation, and photosynthesis. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
2553	Selenium-induced modulations in growth, productivity and physiochemical responses to water deficiency in Quinoa (<i>Chenopodium quinoa</i>) grown in sandy soil. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 44, 102449.	1.5	16
2554	High-resolution shotgun proteomics reveals that increased air [CO ₂] amplifies the acclimation response of <i>Coffea</i> species to drought regarding antioxidative, energy, sugar, and lipid dynamics. <i>Journal of Plant Physiology</i> , 2022, 276, 153788.	1.6	6
2555	Variation in the water use and gas exchange of two Brazilian tropical dry forest phytophysiognomies in response to successional stage. <i>Journal of Arid Environments</i> , 2022, 206, 104831.	1.2	1
2556	Salinity affects eco-physiological aspects and biochemical compositions in chia (<i>Salvia hispanica</i> L.) during germination and seedling growth. <i>Scientia Horticulturae</i> , 2022, 306, 111461.	1.7	2
2557	The Physiological Responses of Maize Seedlings with Different Amylose Content to Drought Stress. <i>Journal of Plant Growth Regulation</i> , 0, , .	2.8	1
2558	Photosynthesis and growth of <i>Amaranthus tricolor</i> under strontium stress. <i>Chemosphere</i> , 2022, 308, 136234.	4.2	6

#	ARTICLE	IF	CITATIONS
2559	Exogenous Putrescine-Mediated Modulation of Drought Stress Tolerance in Sugar Beet: Possible Mechanisms. , 2022, , 441-457.		0
2560	Photosynthesis and Growth of Amaranthus Tricolor Under Strontium Stress. SSRN Electronic Journal, 0, , .	0.4	0
2561	Physiological, Molecular and Genetic Analysis of Abiotic Stress Tolerance in Tomato. , 2022, , 1-47.		0
2562	Differential response of photosynthetic activity, leaf nutrient content and yield to long-term drought in cacao clones. Acta Agronomica, 2022, 70, .	0.0	3
2563	miR164g-<i>MsNAC022</i> acts as a novel module mediating drought response by transcriptional regulation of reactive oxygen species scavenging systems in apple. Horticulture Research, 2022, 9, .	2.9	13

2564

#	ARTICLE	IF	CITATIONS
2577	Effects of a heavy metal (cadmium) on the responses of subtropical coastal tree species to drought stress. <i>Environmental Science and Pollution Research</i> , 2023, 30, 12682-12694.	2.7	4
2578	Impact of Biochar Application at Water Shortage on Biochemical and Physiological Processes in <i>Medicago ciliaris</i> . <i>Plants</i> , 2022, 11, 2411.	1.6	4
2579	Enhancing drought stress tolerance in <i>Camelina</i> (<i>Camelina sativa</i> L.) through exogenous application of potassium. <i>Physiologia Plantarum</i> , 2022, 174, .	2.6	14
2580	Physiological and Antioxidant Response to Different Water Deficit Regimes of Flag Leaves and Ears of Wheat Grown under Combined Elevated CO ₂ and High Temperature. <i>Plants</i> , 2022, 11, 2384.	1.6	6
2581	Genomic analysis of two <i>Bacillus safensis</i> isolated from Merzouga desert reveals desert adaptive and potential plant growth-promoting traits. <i>Functional and Integrative Genomics</i> , 2022, 22, 1173-1187.	1.4	1
2582	The early response of oil palm (<i>Elaeis guineensis</i> Jacq.) plants to water deprivation: Expression analysis of miRNAs and their putative target genes, and similarities with the response to salinity stress. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
2583	Stress-Induced Volatile Emissions and Signalling in Inter-Plant Communication. <i>Plants</i> , 2022, 11, 2566.	1.6	16
2584	Spatiotemporal dynamics of the tomato fruit transcriptome under prolonged water stress. <i>Plant Physiology</i> , 2022, 190, 2557-2578.	2.3	6
2585	Eco-physiological response and genotoxicity induced by crude petroleum oil in the potential phytoremediator <i>Vinca rosea</i> L. <i>Journal of Genetic Engineering and Biotechnology</i> , 2022, 20, 135.	1.5	1
2586	Study of the grafting compatibility of the apple rootstock 12â€², resistant to apple replant diseases (ARD). <i>BMC Plant Biology</i> , 2022, 22, .	1.6	4
2587	Effects of postâ€šilking drought stress degree on grain yield and quality of waxy maize. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 1530-1540.	1.7	6
2588	Enhancement growth of <i>Swietenia Mahogany</i> seedlings under different irrigation intervals by foliar application of basil leaves extract. <i>International Journal of Health Sciences</i> , 0, , 4559-4581.	0.0	0
2589	Exploiting the drought tolerance of wild <i>Elymus</i> species for bread wheat improvement. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	10
2590	Intensity and duration of salinity required to form adaptive response in C ₄ halophyte <i>Kochia prostrata</i> (L.) Shrad. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
2591	Response of sugar metabolism in the cotyledons and roots of <i>Ricinus communis</i> subjected to salt stress. <i>Plant Biology</i> , 2023, 25, 62-71.	1.8	3
2592	PEG-induced physiological drought for screening winter wheat genotypes sensitivity â€œ integrated biochemical and chlorophyll a fluorescence analysis. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	10
2593	Effect of Water Stress on Weed Germination, Growth Characteristics, and Seed Production: A Global Meta-Analysis. <i>Weed Science</i> , 0, , 1-54.	0.8	2
2594	<i>EpichloÃ«</i> endophytes improved <i>Leymus chinensis</i> tolerance to both neutral and alkali salt stresses. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3

#	ARTICLE	IF	CITATIONS
2595	The interactive effects of drought and heat stress on photosynthetic efficiency and biochemical defense mechanisms of <i>Amaranthus</i> species. <i>Plant-Environment Interactions</i> , 2022, 3, 212-225.	0.7	5
2596	Stomata at the crossroad of molecular interaction between biotic and abiotic stress responses in plants. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	13
2597	Wild Vicia Species Possess a Drought Tolerance System for Faba Bean Improvement. <i>Genes</i> , 2022, 13, 1877.	1.0	6
2600	A moderate reduction in irrigation and nitrogen improves water-nitrogen use efficiency, productivity, and profit under new type of drip irrigated spring wheat system. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
2602	Genotype-dependent changes of cell wall composition influence physiological traits of a long and a non-long shelf-life tomato genotypes under distinct water regimes. <i>Plant Journal</i> , 2022, 112, 1396-1412.	2.8	2
2603	Genetic and morpho-physiological analyses of the tolerance and recovery mechanisms in seedling stage spring wheat under drought stress. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	8
2604	Intercropping induces physiological and morphological plasticity in oilseed rape and barley under drought stress. <i>Acta Agriculturae Slovenica</i> , 2022, 118, 1.	0.2	1
2605	Reduction of heat stress pressure and activation of photosystem $\text{scp} > \text{ll} < / \text{scp} >$ repairing system are crucial for citrus tolerance to multiple abiotic stress combination. <i>Physiologia Plantarum</i> , 2022, 174, .	2.6	6
2606	Salt Stress Tolerance in <i>Casuarina glauca</i> : Insights from the Branchlets Transcriptome. <i>Plants</i> , 2022, 11, 2942.	1.6	2
2607	Variety-Specific Transcriptional and Alternative Splicing Regulations Modulate Salt Tolerance in Rice from Early Stage of Stress. <i>Rice</i> , 2022, 15, .	1.7	5
2608	Effect of sodium chloride on physiological, biochemical traits, and mineral nutrition inhibition of peanut varieties in large temperature fluctuations. <i>Plant Stress</i> , 2022, 6, 100123.	2.7	0
2609	<i>Populus euphratica</i> males exhibit stronger drought and salt stress resistance than females. <i>Environmental and Experimental Botany</i> , 2023, 205, 105114.	2.0	13
2610	Functional Analysis of the Genotypic Differences in Response of Pea (<i>Pisum sativum</i> L.) to Calcareous-Induced Iron Deficiency. <i>Phyton</i> , 2023, 92, 521-536.	0.4	0
2612	Biochar: A New Emerging Tool to Mitigate Abiotic Stresses and Its Effect on Soil Properties. , 2022, , 97-108.		0
2613	Effects of Salinity Stress on Growth and Phenolics of Rice (<i>Oryza sativa</i> L.). <i>International Letters of Natural Sciences</i> , 0, 57, 1-10.	1.0	2
2614	Regulation of essential oil in aromatic plants under changing environment. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2023, 32, 100441.	0.9	4
2615	Variability in essential oil constituents, antioxidant activities and yield of elite small cardamom lines (<i>Elettaria cardamomum</i> Maton) under moisture deficit stress. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 0, , 1-15.	0.7	0
2616	Application of Biostimulants in Tomato Plants (<i>Solanum lycopersicum</i>) to Enhance Plant Growth and Salt Stress Tolerance. <i>Plants</i> , 2022, 11, 3082.	1.6	10

#	ARTICLE	IF	CITATIONS
2617	Exogenous nitric oxide promotes salinity tolerance in plants: A meta-analysis. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	4
2618	Natural Zeolite for The Purification of Saline Groundwater and Irrigation Potential Analysis. <i>Molecules</i> , 2022, 27, 7729.	1.7	3
2619	Abiotic and Herbivory Combined Stress in Tomato: Additive, Synergic and Antagonistic Effects and Within-Plant Phenotypic Plasticity. <i>Life</i> , 2022, 12, 1804.	1.1	1
2620	DesempeÃ±o fisiolÃ³gico de dos especies arbÃ³reas en un suelo contaminado con petrÃ³leo. <i>Botanical Sciences</i> , 0, 100, .	0.3	0
2621	Characterization of fennel germplasm for physiological persistence and drought recovery: Association with biochemical properties. <i>Plant Physiology and Biochemistry</i> , 2023, 194, 499-512.	2.8	3
2622	Stomatal conductance parameters of tomatoes are regulated by reducing osmotic potential and pre-dawn leaf water potential via increasing ABA under salt stress. <i>Environmental and Experimental Botany</i> , 2023, 206, 105176.	2.0	5
2623	Optimized application of combined nitrogen and microbial decomposing inoculants increases wheat (<i>Triticum aestivum</i> L.) physiological growth and mitigates global warming potential under different water regimes. <i>Environmental and Experimental Botany</i> , 2023, 206, 105170.	2.0	6
2624	Cross-stress memory: Salt priming at vegetative growth stages improves tolerance to drought stress during grain-filling in rice plants. <i>Environmental and Experimental Botany</i> , 2023, 206, 105187.	2.0	6
2625	Interactive effect of water regime, nitrogen rate and biostimulant application on physiological and biochemical traits of wild rocket. <i>Agricultural Water Management</i> , 2023, 277, 108075.	2.4	6
2626	Diurnal changes and effect of elevated CO ₂ on gas exchange under individual and interactive salt and water stress in wheat (<i>Triticum aestivum</i>). , 2019, 89, .		1
2627	Maize: Role and Responses Under Abiotic Stress. , 2022, , 85-106.		0
2628	Foliar Application of Potassium Salt of Active Phosphorus (PSAP) Mitigates Insect Pests and Improves Yield Along With Sugarcane Quality in Response to Agroclimatic Conditions of Punjab. <i>Sugar Tech</i> , 2023, 25, 660-669.	0.9	1
2630	<i>Epichloa bromicola</i> from wild barley improves salt-tolerance of cultivated barley by altering physiological responses to salt stress. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
2631	Toward the Genetic Improvement of Drought Tolerance in Conifers: An Integrated Approach. <i>Forests</i> , 2022, 13, 2016.	0.9	6
2633	Photophysiological Mechanism of Dense Planting to Increase the Grain Yield of Intercropped Maize with Nitrogen-Reduction Application in Arid Conditions. <i>Agronomy</i> , 2022, 12, 2994.	1.3	2
2634	The desert plant <i>Calotropis procera</i> maintains C ₃ photosynthetic metabolism under salt stress. <i>Theoretical and Experimental Plant Physiology</i> , 2023, 35, 1-16.	1.1	1
2635	Drought Stress Tolerance in Plants: Interplay of Molecular, Biochemical and Physiological Responses in Important Development Stages. <i>Physiologia</i> , 2022, 2, 180-197.	0.6	43
2636	Effects of ultrasonic waves on seedling growth, biochemical constituents, genetic stability of fenugreek (<i>Trigonella foenum-graecum</i>) under salinity stress. <i>Vegetos</i> , 2023, 36, 1427-1436.	0.8	1

#	ARTICLE	IF	CITATIONS
2637	Environmental stress - what can we learn from chlorophyll a fluorescence analysis in woody plants? A review. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	18
2638	ACC Deaminase Produced by PGPR Mitigates the Adverse Effect of Osmotic and Salinity Stresses in <i>Pisum sativum</i> through Modulating the Antioxidants Activities. <i>Plants</i> , 2022, 11, 3419.	1.6	8
2639	Linking whole-plant responses to cell physiology in glycophytes exposed to NaCl stress. <i>Acta Physiologiae Plantarum</i> , 2023, 45, .	1.0	1
2640	The Metabolic Interaction of Potassium Salt of Active Phosphorus (PSAP) and Its Stimulatory Effects on the Growth and Productivity of Sugarcane Under Stressful Environment. , 2022, , 403-426.		0
2641	Drought, salt, and combined stresses in plants: Effects, tolerance mechanisms, and strategies. <i>Advances in Agronomy</i> , 2023, , 107-163.	2.4	4
2642	Phytoremediation potential of <i>Solanum viarum</i> Dunal and functional aspects of their capitate glandular trichomes in lead, cadmium, and zinc detoxification. <i>Environmental Science and Pollution Research</i> , 2023, 30, 41878-41899.	2.7	4
2643	Effects of Sodium Salinity on Rice (<i>Oryza sativa</i> L.) Cultivation: A Review. <i>Sustainability</i> , 2023, 15, 1804.	1.6	13
2644	Protein Changes in Shade and Sun <i>Haberlea rhodopensis</i> Leaves during Dehydration at Optimal and Low Temperatures. <i>Plants</i> , 2023, 12, 401.	1.6	3
2645	Early Identification of Plant Drought Stress Responses: Changes in Leaf Reflectance and Plant Growth Promoting Rhizobacteria Selection-The Case Study of Tomato Plants. <i>Agronomy</i> , 2023, 13, 183.	1.3	3
2646	Hormonal and Physiological Changes in Miniature Roses (<i>Rosa chinensis</i> Jacq. var. <i>minima</i> Rehd.) Exposed to Water Deficit and Salinity Stress Conditions. <i>Gesunde Pflanzen</i> , 0, , .	1.7	0
2647	The effect of mild and severe drought on genie chili (<i>Capsicum annuum</i> L. var. <i>genie</i>) leaf cell growth. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
2649	Spatiotemporal, physiological and transcriptomic dynamics of wild jujube seedlings under saline conditions. <i>Tree Physiology</i> , 2023, 43, 832-850.	1.4	2
2650	Application of RNA sequencing to understand the response of rice seedlings to salt-alkali stress. <i>BMC Genomics</i> , 2023, 24, .	1.2	4
2651	Same, same, but different: Drought and salinity affect BVOC emission rate and alter blend composition of urban trees. <i>Urban Forestry and Urban Greening</i> , 2023, 80, 127842.	2.3	2
2652	From Plant Nursery to Field: Persistence of Mycorrhizal Symbiosis Balancing Effects on Growth-Defence Tradeoffs Mediated by Rootstock. <i>Agronomy</i> , 2023, 13, 229.	1.3	2
2653	Morpho-Physiological and Hormonal Response of Winter Wheat Varieties to Drought Stress at Stem Elongation and Anthesis Stages. <i>Plants</i> , 2023, 12, 418.	1.6	7
2654	Understanding impact of heat, drought, and salinity stresses on growth and physiological attributes of <i>Chenopodium album</i> under field conditions. <i>Plant Growth Regulation</i> , 0, , .	1.8	0
2655	Deciphering salt tolerance in tetraploid honeysuckle (<i>Lonicera japonica</i> Thunb.) from ion homeostasis, water balance and antioxidant defense. <i>Plant Physiology and Biochemistry</i> , 2023, 195, 266-274.	2.8	4

#	ARTICLE	IF	CITATIONS
2656	Quantitative responses of tomato yield, fruit quality and water use efficiency to soil salinity under different water regimes in Northwest China. <i>Agricultural Water Management</i> , 2023, 277, 108134.	2.4	7
2657	Physiological responses of seven varieties of soybean [<i>Glycine max</i> (L.) Merr.] to salt stress. <i>Plant Science Today</i> , 0, , .	0.4	0
2658	Effect of Silicon on Oat Salinity Tolerance: Analysis of the Epigenetic and Physiological Response of Plants. <i>Agriculture (Switzerland)</i> , 2023, 13, 81.	1.4	4
2659	Influence of traffic stress on warm season turfgrass species under simulated traffic. , 2017, 87, .		2
2660	The role of the antioxidant system and the photosynthetic behavior of paraquat-resistant <i>Conyza sumatrensis</i> in Brazil. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 0, , 1-10.	0.7	0
2661	The impact of climate change on the productivity of cowpea (<i>Vigna unguiculata</i>) under three different socio-economic pathways. <i>Italian Journal of Agronomy</i> , 2022, 17, .	0.4	2
2662	Stress Memory and Its Mitigation via Responses Through Physiological and Biochemical Traits in Mung Bean Under Moisture Stress. , 2023, , 323-343.		0
2663	Cold-induced inhibition of photosynthesis-related genes integrated by a TOP6 complex in rice mesophyll cells. <i>Nucleic Acids Research</i> , 2023, 51, 1823-1842.	6.5	4
2664	C:N:P stoichiometric variations of herbs and its relationships with soil properties and species relative abundance along the Xiaokai River irrigation in the Yellow River Delta, China. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
2665	Changes in root behavior of wheat species under abiotic stress conditions. , 2023, , 161-177.		0
2666	Proteomics approach to investigating osmotic stress effects on pistachio. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1
2667	Protective role of ZnO nanoparticles in soybean seedlings growth and stress management under Cr-enriched conditions. <i>Plant Growth Regulation</i> , 2023, 100, 703-716.	1.8	3
2668	Plant growth promoting Rhizobacteria and their biofilms in promoting sustainable agriculture and soil health. , 2023, , 629-647.		1
2669	Tuber melanosporem drives the symbiosis with <i>Castanea sativa</i> seedlings under greenhouse conditions and high calcium levels. <i>Symbiosis</i> , 0, , .	1.2	0
2670	Mechanistic Insights on Salicylic Acid Mediated Enhancement of Photosystem II Function in Oregano Seedlings Subjected to Moderate Drought Stress. <i>Plants</i> , 2023, 12, 518.	1.6	6
2671	Effects of water deficit at different stages on growth and ear quality of waxy maize. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	1
2672	Identification of plants releasing isoprene causing smog. <i>MOJ Ecology & Environmental Sciences</i> , 2022, 7, 40-46.	0.1	0
2673	The Comprehensive Responses of Young Sweet Cherry Trees Under Moderate Saline Conditions Depending on the Different Rootstocks. <i>Erwerbs-Obstbau</i> , 0, , .	0.5	0

#	ARTICLE	IF	CITATIONS
2674	Protective Effects of Sodium Nitroprusside on Photosynthetic Performance of Sorghum bicolor L. under Salt Stress. <i>Plants</i> , 2023, 12, 832.	1.6	6
2675	<i>Arundo donax</i> L. growth potential under different abiotic stress. <i>Heliyon</i> , 2023, 9, e15521.	1.4	3
2676	Remote sensing of canopy water status of the irrigated winter wheat fields and the paired anomaly analyses on the spectral vegetation indices and grain yields. <i>Agricultural Water Management</i> , 2023, 280, 108226.	2.4	4
2677	Multitraits evaluation of a <i>Solanum pennellii</i> introgression tomato line challenged by combined abiotic stress. <i>Plant Biology</i> , 2023, 25, 518-528.	1.8	5
2678	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
2679	Detection of irrigation dates and amounts on maize plots from the integration of Sentinel-2 derived Leaf Area Index values in the Optirrig crop model. <i>Agricultural Water Management</i> , 2023, 283, 108315.	2.4	2
2680	Salinity-specific stomatal conductance model parameters are reduced by stomatal saturation conductance and area via leaf nitrogen. <i>Science of the Total Environment</i> , 2023, 876, 162584.	3.9	2
2681	Effect of biochar addition and reduced irrigation regimes on growth, physiology and water use efficiency of cotton plants under salt stress. <i>Industrial Crops and Products</i> , 2023, 198, 116702.	2.5	7
2683	Anatomy of Tolerance Mechanisms in Sugarcane Crop to Abiotic Stresses. , 2022, , 107-121.		0
2684	Proposing a crop-water-salt production function based on plant response to stem water potential. <i>Agricultural Water Management</i> , 2023, 278, 108162.	2.4	1
2685	Physiological characteristics of IRR 400 series rubber clones (<i>Hevea brasiliensis</i> Muell. Arg.) on drought stress. <i>F1000Research</i> , 0, 12, 106.	0.8	0
2686	Ovary abortion in field-grown maize under water-deficit conditions is determined by photo-assimilation supply. <i>Field Crops Research</i> , 2023, 293, 108830.	2.3	7
2687	Iso-osmotic calcium nitrate and sodium chloride stresses have differential effects on growth and photosynthetic capacity in tomato. <i>Scientia Horticulturae</i> , 2023, 312, 111883.	1.7	7
2688	Prohexadione calcium enhances rice growth and tillering under NaCl stress. <i>PeerJ</i> , 0, 11, e14804.	0.9	1
2689	Impact of Salinity on the Energy Transfer between Pigment-Protein Complexes in Photosynthetic Apparatus, Functions of the Oxygen-Evolving Complex and Photochemical Activities of Photosystem II and Photosystem I in Two Paulownia Lines. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3108.	1.8	2
2690	B-type response regulator <i>hst1</i> controls salinity tolerance in rice by regulating transcription factors and antioxidant mechanisms. <i>Plant Physiology and Biochemistry</i> , 2023, 196, 542-555.	2.8	8
2691	Overexpression of Water-Responsive Genes Promoted by Elevated CO ₂ Reduces ROS and Enhances Drought Tolerance in Coffea Species. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3210.	1.8	2
2692	OsLPXC negatively regulates tolerance to cold stress via modulating oxidative stress, antioxidant defense and JA accumulation in rice. <i>Free Radical Biology and Medicine</i> , 2023, 199, 2-16.	1.3	7

#	ARTICLE	IF	CITATIONS
2693	Effect of Water Regime, Nitrogen Level, and Biostimulant Application on the Water and Nitrogen Use Efficiency of Wild Rocket [<i>Diploaxis tenuifolia</i> (L.) DC]. <i>Agronomy</i> , 2023, 13, 507.	1.3	3
2694	Mitigating Drought Stress Effects in Arid and Semi-Arid Agro-Ecosystems through Bioirrigation Strategies—A Review. <i>Sustainability</i> , 2023, 15, 3542.	1.6	1
2695	Combined nitrogen and drought stress leads to overlapping and unique proteomic responses in potato. <i>Planta</i> , 2023, 257, .	1.6	2
2696	Impact of biochar on the yield and nutritional quality of tomatoes (<i>Solanum lycopersicum</i>) under drought stress. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 3479-3488.	1.7	1
2697	Revisiting the role of phenylpropanoids in plant defense against UV-B stress. <i>Plant Stress</i> , 2023, 7, 100143.	2.7	14
2698	Effects of Warming and Drought Stress on the Coupling of Photosynthesis and Transpiration in Winter Wheat (<i>Triticum aestivum</i> L.). <i>Applied Sciences (Switzerland)</i> , 2023, 13, 2759.	1.3	1
2699	Effect of Plant Growth Regulators on Creeping Bentgrass during Heat, Salt, and Combined Stress. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2023, 58, 410-418.	0.5	1
2700	GENE EXPRESSION AND THE CONTENT OF STRUCTURAL PROTEINS OF PHOTOSYSTEMS IN BARLEY LEAVES UNDER SOIL DROUGHT. , 2022, 33, 38-46.		0
2701	Water use efficiency responses to fluctuating soil water availability in contrasting commercial sugar beet varieties. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	3
2702	Physiological and Biochemical Responses in Maize under Drought Stress. , 2023, , 117-136.		1
2703	Salt Stress Inhibits Photosynthesis and Destroys Chloroplast Structure by Downregulating Chloroplast Development-Related Genes in <i>Robinia pseudoacacia</i> Seedlings. <i>Plants</i> , 2023, 12, 1283.	1.6	7
2704	A Cinnamate 4-HYDROXYLASE1 from Safflower Promotes Flavonoids Accumulation and Stimulates Antioxidant Defense System in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 5393.	1.8	3
2705	Finding optimal microorganisms to increase crop productivity and sustainability under drought—a structured reflection. <i>Journal of Plant Interactions</i> , 2023, 18, .	1.0	5
2706	Non-Photochemical Quenching of Chlorophyll a Fluorescence as an Indicator of the State of a Plant Photosynthetic Apparatus Under Abiotic Stress. <i>Journal of Applied Spectroscopy</i> , 2023, 90, 60-65.	0.3	2
2707	Influence of dwarfing interstock on the tolerance and nutrient utilization efficiency of apple trees under drought stress. <i>Scientia Horticulturae</i> , 2023, 315, 111984.	1.7	2
2708	Flexibility in Behavior of Prominent Components of the Yield of Sesame Genotypes under Normal and Water Limiting Condition. <i>Journal of Crop Breeding</i> , 2021, 13, 75-84.	0.4	1
2709	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
2710	The effect of salinity on anatomical characteristics of two halophyte species from Turkey. <i>Botany Letters</i> , 0, , 1-10.	0.7	0

#	ARTICLE	IF	CITATIONS
2711	Alterations in metabolic profiling of crop plants under abiotic stress. , 2023, , 197-233.		0
2712	Responses of dry matter accumulation and partitioning to drought and subsequent rewatering at different growth stages of maize in Northeast China. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	2
2713	Estimation of Drought Tolerance Indices in Upland Cotton under Water Deficit Conditions. <i>Agronomy</i> , 2023, 13, 984.	1.3	6
2714	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
2715	A novel TF molecular switch-mechanism found in two contrasting ecotypes of a psammophyte, <i>Agriophyllum squarrosum</i> , in regulating transcriptional drought memory. <i>BMC Plant Biology</i> , 2023, 23, .	1.6	2
2716	Response of Maize (<i>Zea mays</i> L.) to Drought under Salinity and Boron Stress in the Atacama Desert. <i>Plants</i> , 2023, 12, 1519.	1.6	2
2717	Physiological Responses of Common Bean Genotypes to Drought Stress. <i>Agronomy</i> , 2023, 13, 1022.	1.3	3
2718	Arbuscular mycorrhizal fungi promote photosynthesis in <i>Antirrhinum majus</i> L. under low-temperature and weak-light conditions. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2023, 51, 13012.	0.5	1
2719	Role of Combined Use of Mycorrhizae Fungi and Plant Growth Promoting Rhizobacteria in the Tolerance of Quinoa Plants Under Salt Stress. <i>Gesunde Pflanzen</i> , 2023, 75, 1855-1869.	1.7	3
2720	De novo full-length transcriptome analysis of two ecotypes of <i>Phragmites australis</i> (swamp reed and) Tj ETQq1 1 0.784314 rgBT /Over adaptation to desert environments. <i>BMC Genomics</i> , 2023, 24, .	1.2	2
2721	Mitigation of salt stress and stimulation of growth by salicylic acid and calcium chloride seed priming in two barley species. <i>Plant Biosystems</i> , 2023, 157, 758-768.	0.8	1
2722	Identification and characterization of CAT1 gene during drought stress in moth bean [<i>Vigna aconitifolia</i> (Jacq.) Marechal]. <i>Journal of Agriculture and Ecology</i> , 0, 14, 164-172.	0.1	2
2723	Shrub Invasion Overrides the Effect of Imposed Drought on the Photosynthetic Capacity and Physiological Responses of Mediterranean Cork Oak Trees. <i>Plants</i> , 2023, 12, 1636.	1.6	3
2724	Gas exchange and post-harvest quality of "Kent" mango subjected to controlled water deficit in semi-arid region. <i>Revista Caatinga</i> , 2023, 36, 158-166.	0.3	0
2725	A Comprehensive Meta-analysis to Identify the Responsive Genes in Sorghum Under Salinity and Drought Stresses (<i>Sorghum bicolor</i>). <i>Journal of Plant Growth Regulation</i> , 2023, 42, 7096-7115.	2.8	1
2726	Transcriptome and metabolome analysis reveals key genes and secondary metabolites of <i>Casuarina equisetifolia</i> ssp. <i>incana</i> in response to drought stress. <i>BMC Plant Biology</i> , 2023, 23, .	1.6	2
2727	Genome-Wide Identification and Gene Expression Analysis of Sweet Cherry Aquaporins (<i>Prunus Avium</i>) Tj ETQq0 0.0 rgBT /Oyerlock 10	1.0	1
2728	Transcriptome profiling, physiological, and biochemical analyses provide new insights towards drought stress response in sugar maple (<i>Acer saccharum</i> Marshall) saplings. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	3

#	ARTICLE	IF	CITATIONS
2729	Role of Lignin in Wheat Plant for the Enhancement of Resistance against Lodging and Biotic and Abiotic Stresses. <i>Stresses</i> , 2023, 3, 434-453.	1.8	4
2748	Role of sugars in regulating physiological and molecular aspects of plants under abiotic stress. , 2023, , 355-374.		0
2749	Role of auxins in regulating physiological and molecular aspects of plants under abiotic stress. , 2023, , 39-65.		0
2785	Alleviation of Drought Stress and Amelioration of Tomato Plant Growth by Bacterial Inoculants for Mitigating Climate Change. , 2023, , 201-215.		0
2817	Amino acids in regulation of abiotic stress tolerance in cereal crops: a review. <i>Cereal Research Communications</i> , 0, , .	0.8	0
2840	Strategies for Improving Tolerance to the Combined Effect of Drought and Salinity Stress in Crops. , 2023, , 137-172.		0
2854	Enhancing Water Use Efficiency by Using Potassium-Efficient Cotton Cultivars Based on Morphological and Biochemical Characteristic. , 0, , .		0
2874	Understanding Molecular Mechanisms of Plant Physiological Responses Under Drought and Salt Stresses. , 2023, , 156-184.		0
2875	Introductory Chapter: Making Plant Life Easier and Productive under Salinity “ Updates and Prospects. , 0, , .		0
2884	Molecular insights and omics-based understanding of plant“microbe interactions under drought stress. <i>World Journal of Microbiology and Biotechnology</i> , 2024, 40, .	1.7	0
2889	Salinity and Its Impact on Sustainable Crop Production. <i>Earth and Environmental Sciences Library</i> , 2023, , 29-92.	0.3	1
2942	Effect of engineered nanomaterials on the crop growth parameters under drought stress. , 2024, , 165-179.		0