

Drought and Heat Stress Injury to Two Cool-Season T Metabolism and Lipid Peroxidation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Improving Drought Resistance and Persistence in Turf-type Tall Fescue. <i>Crop Science</i> , 2003, 43, 978-984.	1.8	50
2	Protective Effects of Polyamines against Oxidative Stress Induced by Water and Cold Stress in Chickpea. <i>Journal of Agronomy and Crop Science</i> , 2004, 190, 355-365.	3.5	150
3	Effects of drought on photosynthetic characteristics of flag leaves of a newly-developed super-high-yield rice hybrid. <i>Photosynthetica</i> , 2004, 42, 573-578.	1.7	28
4	When Defense Pathways Collide. The Response of Arabidopsis to a Combination of Drought and Heat Stress. <i>Plant Physiology</i> , 2004, 134, 1683-1696.	4.8	1,438
5	Physiological Recovery of Kentucky Bluegrass from Simultaneous Drought and Heat Stress. <i>Crop Science</i> , 2004, 44, 1729-1736.	1.8	155
6	Antioxidant Metabolism in Cotton Seedlings Exposed to Temperature Stress in the Field. <i>Crop Science</i> , 2005, 45, 2337-2345.	1.8	36
7	Effect of water and temperature stress on the content of active constituents of <i>Hypericum brasiliense</i> Choisy. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 241-248.	5.8	325
8	Morphological, Anatomical, and Physiological Assessment of Ramie [<i>Boehmeria Nivea</i> (L.) Gaud.] Tolerance to Soil Drought. <i>Genetic Resources and Crop Evolution</i> , 2005, 52, 497-506.	1.6	39
9	Plant shading increases lipid peroxidation and intensifies senescence-induced changes in photosynthesis and activities of ascorbate peroxidase and glutathione reductase in wheat. <i>Photosynthetica</i> , 2005, 43, 403-409.	1.7	18
10	The Capacity for Thermal Protection of Photosynthetic Electron Transport Varies for Different Monoterpenes in <i>Quercus ilex</i> . <i>Plant Physiology</i> , 2005, 139, 485-496.	4.8	118
11	Abiotic stress, the field environment and stress combination. <i>Trends in Plant Science</i> , 2006, 11, 15-19.	8.8	2,358
12	Physiological and Biochemical Indicators for Stress Tolerance. , 2006, , 321-355.		9
13	Short-term effect of elevated CO ₂ concentration and high irradiance on the antioxidant enzymes in bean plants. <i>Biologia Plantarum</i> , 2006, 50, 617-623.	1.9	10
14	Combined effects of water stress and high temperature on photosynthesis, nitrogen metabolism and lipid peroxidation of a perennial grass <i>Leymus chinensis</i> . <i>Planta</i> , 2006, 224, 1080-1090.	3.2	255
15	Effects of heat acclimation pretreatment on changes of membrane lipid peroxidation, antioxidant metabolites, and ultrastructure of chloroplasts in two cool-season turfgrass species under heat stress. <i>Environmental and Experimental Botany</i> , 2006, 56, 274-285.	4.2	414
16	Assessment of drought resistance of Kentucky bluegrass (<i>Poa pratensis</i>) varieties at seedling stage. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2006, 34, 319-328.	1.3	6
17	Heat stress induced changes in the activity of antioxidant enzymes in wheat. <i>Cereal Research Communications</i> , 2007, 35, 197-200.	1.6	11
18	Evaluation of the stress-inducible production of proline in transgenic sugarcane (<i>Saccharum</i> spp.): osmotic adjustment, chlorophyll fluorescence and oxidative stress. <i>Physiologia Plantarum</i> , 2007, 130, 218-229.	5.2	309

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19	Oxidative biodegradation of tetrachloroethene in needles of Norway spruce (<i>Picea abies</i> L.). South African Journal of Botany, 2007, 73, 89-96.	2.5	10
20	Chlorophyll Stability is an Indicator of Drought Tolerance in Peanut. Journal of Agronomy and Crop Science, 2008, 194, 113-125.	3.5	143
21	Effects of simultaneous drought and heat stress on Kentucky bluegrass. Scientia Horticulturae, 2008, 115, 190-195.	3.6	66
22	Nitric oxide mediates abscisic acid induced thermotolerance in the calluses from two ecotypes of reed under heat stress. Plant Science, 2008, 175, 826-832.	3.6	75
23	Combined effects of long-term salinity and soil drying on growth, water relations, nutrient status and proline accumulation of <i>Sesuvium portulacastrum</i> . Comptes Rendus - Biologies, 2008, 331, 442-451.	0.2	117
24	Temperature dependence of wheat development. Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science, 2008, 56, 313-320.	0.2	5
25	Creeping Bentgrass Putting Green Turf Responses to Two Irrigation Practices: Quality, Chlorophyll, Canopy Temperature, and Thatch. Crop Science, 2009, 49, 1071-1078.	1.8	13
26	Induction of Thermotolerance and Activation of Antioxidant Enzymes in H ₂ O ₂ Pre-applied Leaves of Cucumber and Tomato Seedlings. Japanese Society for Horticultural Science, 2009, 78, 320-329.	0.8	11
27	Measures of leaf-level water-use efficiency in drought stressed endophyte infected and non-infected tall fescue grasses. Environmental and Experimental Botany, 2009, 66, 88-93.	4.2	56
28	Enhanced drought tolerance in transgenic <i>Leymus chinensis</i> plants with constitutively expressed wheat TaLEA 3. Biotechnology Letters, 2009, 31, 313-319.	2.2	56
29	Growth, lipid peroxidation and photosynthesis in two tall fescue cultivars differing in heat tolerance. Biologia Plantarum, 2009, 53, 237-242.	1.9	64
30	Water deficit-induced oxidative stress and the activation of antioxidant enzymes in white clover leaves. Biologia Plantarum, 2009, 53, 505-510.	1.9	45
31	Physiological responses of somaclonal variants of triploid bermudagrass (<i>Cynodon</i>) Tj ETQq0 0 0 rgBT /Overlock 10_Tf 50 262_Td (transv	5.6	47
32	Reactive oxygen species, antioxidant enzyme activities and gene expression patterns in leaves and roots of Kentucky bluegrass in response to drought stress and recovery. Scientia Horticulturae, 2009, 120, 264-270.	3.6	247
33	Analysis of heat stress tolerance in winter wheat. Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science, 2009, 57, 437-444.	0.2	59
34	Effects of Soil Drought with Nocturnal Warming on Leaf Stomatal Traits and Mesophyll Cell Ultrastructure of a Perennial Grass. Crop Science, 2009, 49, 1843-1851.	1.8	49
35	Cloning, expression and physiological analysis of broccoli catalase gene and Chinese cabbage ascorbate peroxidase gene under heat stress. Plant Cell Reports, 2010, 29, 575-593.	5.6	55
36	Salicylic acid and heat acclimation pretreatment protects <i>Laminaria japonica</i> sporophyte (<i>Phaeophyceae</i>) from heat stress. Chinese Journal of Oceanology and Limnology, 2010, 28, 924-932.	0.7	11

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37	Acclimatory response to hydrogen peroxide and glutathione under salt-boron stress through their impact on mineral nutrition and antioxidant defense system in pigeonpea (<i>Cajanus cajan</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2010, 16, 295-304.	3.1	5
38	Effects of Nutrients Foliar Application on Agrophysiological Characteristics of Maize under Water Deficit Stress. <i>Notulae Scientia Biologicae</i> , 2010, 2, 39-44.	0.4	1
39	Genetic Engineering for Modern Agriculture: Challenges and Perspectives. <i>Annual Review of Plant Biology</i> , 2010, 61, 443-462.	18.7	902
40	Tetraploidization of diploid <i>Dioscorea</i> results in activation of the antioxidant defense system and increased heat tolerance. <i>Journal of Plant Physiology</i> , 2010, 167, 88-94.	3.5	123
41	In vitro induced tetraploid of <i>Dendranthema nankingense</i> (Nakai) Tzvel. shows an improved level of abiotic stress tolerance. <i>Scientia Horticulturae</i> , 2011, 127, 411-419.	3.6	125
42	Production of Reactive Oxygen Species and Antioxidant Metabolism about Strawberry Leaves to Low Temperatures. <i>Journal of Agricultural Science</i> , 2011, 3, .	0.2	14
43	Heat Shock Proteins in Association with Heat Tolerance in Grasses. <i>International Journal of Proteomics</i> , 2011, 2011, 1-11.	2.0	76
44	Effect of Microelements and Selenium on Superoxide Dismutase Enzyme, Malondialdehyde Activity and Grain Yield Maize (<i>Zea mays</i> L.) under Water Deficit Stress. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2011, 39, 153.	1.1	20
45	Proline induces heat tolerance in chickpea (<i>Cicer arietinum</i> L.) plants by protecting vital enzymes of carbon and antioxidative metabolism. <i>Physiology and Molecular Biology of Plants</i> , 2011, 17, 203-213.	3.1	150
46	Heat-stress induced inhibition in growth and chlorosis in mungbean (<i>Phaseolus aureus</i> Roxb.) is partly mitigated by ascorbic acid application and is related to reduction in oxidative stress. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 2091-2101.	2.1	158
47	The Improvement of Thermotolerance in Tall Fescue and Perennial Ryegrass by Activating the Antioxidative System. <i>Advanced Materials Research</i> , 0, 610-613, 249-253.	0.3	1
48	Comparative Analysis of Proteomic Responses to Single and Simultaneous Drought and Heat Stress for Two Kentucky Bluegrass Cultivars. <i>Crop Science</i> , 2012, 52, 1246-1260.	1.8	10
49	Effects of Elevated CO ₂ on Physiological Responses of Tall Fescue to Elevated Temperature, Drought Stress, and the Combined Stresses. <i>Crop Science</i> , 2012, 52, 1848-1858.	1.8	74
50	Exogenous glycine betaine and proline play a protective role in heat-stressed barley leaves (<i>Hordeum vulgare</i> L.): A chlorophyll <i>a</i> fluorescence study. <i>Plant Biosystems</i> , 2012, 146, 1037-1043.	1.6	58
51	Lipid peroxidation and changes in the activity of superoxide dismutase caused by water deficit in basil (<i>Ocimum basilicum</i> L.) and savory (<i>Satureja hortensis</i> L.). <i>Journal of Horticultural Science and Biotechnology</i> , 2012, 87, 499-503.	1.9	1
52	Relationship between drought stress and some antioxidant enzymes with cell membrane and chlorophyll stability in wheat lines. <i>African Journal of Microbiology Research</i> , 2012, 6, .	0.4	5
53	Heat Stress-Induced Cell Death, Changes in Antioxidants, Lipid Peroxidation, and Protease Activity in Wheat Leaves. <i>Journal of Plant Growth Regulation</i> , 2012, 31, 283-291.	5.1	78
54	Acquired thermotolerance in plants. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 265-276.	2.3	53

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55	Antioxidative responses in roots and shoots of creeping bentgrass under high temperature: Effects of nitrogen and cytokinin. <i>Journal of Plant Physiology</i> , 2012, 169, 492-500.	3.5	39
56	Antioxidative system's responses in the leaves of six <i>Caragana</i> species during drought stress and recovery. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2145-2154.	2.1	9
57	Responses and Management of Heat Stress in Plants. , 2012, , 135-157.		23
58	Protection against heat stress in wheat involves change in cell membrane stability, antioxidant enzymes, osmolyte, H ₂ O ₂ and transcript of heat shock protein. <i>International Journal of Plant Physiology and Biochemistry</i> , 2012, 4, .	1.0	29
59	Water-stress-induced thermotolerance of photosynthesis in bean (<i>Phaseolus vulgaris</i> L.) plants: The possible involvement of lipid composition and xanthophyll cycle pigments. <i>Environmental and Experimental Botany</i> , 2012, 77, 127-140.	4.2	41
60	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.	1.0	94
61	Comparison of physiological and antioxidant responses of <i>Anoda cristata</i> and cotton to progressive drought. <i>Weed Research</i> , 2012, 52, 358-366.	1.7	2
62	Determination of Moisture Deficit and Heat Stress Tolerance in Corn Using Physiological Measurements and a Low-Cost Microcontroller-Based Monitoring System. <i>Journal of Agronomy and Crop Science</i> , 2012, 198, 118-129.	3.5	27
63	Comparative response of maize and rice genotypes to heat stress: status of oxidative stress and antioxidants. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 75-86.	2.1	122
64	Antioxidative capacity of phenolic compounds extracted from <i>Lolium perenne</i> and <i>Lolium arundinaceum</i> infected with <i>Neotyphodium</i> (Hypocreales: Clavicipitaceae). <i>Acta Physiologiae Plantarum</i> , 2012, 34, 827-833.	2.1	18
65	Adequate magnesium nutrition mitigates adverse effects of heat stress on maize and wheat. <i>Plant and Soil</i> , 2013, 368, 57-72.	3.7	105
66	Î±-Tocopherol Application Modulates the Response of Wheat (<i>Triticum aestivum</i> L.) Seedlings to Elevated Temperatures by Mitigation of Stress Injury and Enhancement of Antioxidants. <i>Journal of Plant Growth Regulation</i> , 2013, 32, 307-314.	5.1	33
67	<i>Neotyphodium</i> endophyte strain and superoxide dismutase activity in perennial ryegrass plants under water deficit. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 1513-1520.	2.1	13
68	Antioxidant enzymes activity in leaves of salt stressed <i>Excoecaria agallocha</i> L.. <i>Asian Pacific Journal of Reproduction</i> , 2013, 2, 304-308.	0.4	1
69	Morphological and physiological changes of ramie (<i>Boehmeria nivea</i> L. Gaud) in response to drought stress and GA ₃ treatment. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 749-755.	1.1	15
70	Examining Rapid Onset Drought Development Using the Thermal Infrared-Based Evaporative Stress Index. <i>Journal of Hydrometeorology</i> , 2013, 14, 1057-1074.	1.9	205
71	Drought Resistance of C ₄ Grasses Under Field Conditions: Genetic Variation Among a Large Number of Bermudagrass (<i>Cynodon</i> spp.) Ecotypes Collected from Different Climatic Zones. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 253-263.	3.5	16
72	Selection efficiencies for improving drought/salt tolerances and yield using introgression breeding in rice (<i>Oryza sativa</i> L.). <i>Crop Journal</i> , 2013, 1, 134-142.	5.2	23

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73	Study of sponge gourd ascorbate peroxidase and winter squash superoxide dismutase under respective flooding and chilling stresses. <i>Scientia Horticulturae</i> , 2013, 162, 333-340.	3.6	23
74	Heat stress induction of <i>miR398</i> triggers a regulatory loop that is critical for thermotolerance in <i>A. thaliana</i> . <i>Plant Journal</i> , 2013, 74, 840-851.	5.7	330
75	Physiological traits related to drought tolerance in tall fescue. <i>Euphytica</i> , 2013, 190, 401-414.	1.2	52
76	Perspectives on deciphering mechanisms underlying plant heat stress response and thermotolerance. <i>Frontiers in Plant Science</i> , 2013, 4, 315.	3.6	323
77	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.	2.4	12
78	Response of Rice Nitrogen Physiology to High Nighttime Temperature during Vegetative Stage. <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	2.1	7
79	Effect of Prior Heat Stress on the Early Growth of <i>Carica papaya</i> . <i>Notulae Scientia Biologicae</i> , 2013, 5, 508-512.	0.4	1
80	Effects of Heat Acclimation on Photosynthesis, Antioxidant Enzyme Activities, and Gene Expression in Orchardgrass under Heat Stress. <i>Molecules</i> , 2014, 19, 13564-13576.	3.8	34
81	Role of Abscisic Acid and Water Stress on the Activities of Antioxidant Enzymes in Wheat. <i>Current Research Journal of Biological Sciences</i> , 2014, 6, 168-172.	0.1	3
82	Seasonal variations in some water relations and biochemical attributes of two genetically diverse maize cultivars. <i>Revista Brasileira De Botanica</i> , 2014, 37, 417-428.	1.3	1
83	Differential growth and physiological responses to heat stress between two annual and two perennial cool-season turfgrasses. <i>Scientia Horticulturae</i> , 2014, 170, 75-81.	3.6	20
84	UV-irradiation mutation of tetraspores of <i>Gracilaria lemaneiformis</i> and screening of thermotolerant strains. <i>Journal of Applied Phycology</i> , 2014, 26, 647-656.	2.8	15
85	δ^3 -Aminobutyric Acid (GABA) Imparts Partial Protection from Heat Stress Injury to Rice Seedlings by Improving Leaf Turgor and Upregulating Osmoprotectants and Antioxidants. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 408-419.	5.1	139
86	Exogenous nitric oxide alleviates oxidative damage in turfgrasses under drought stress. <i>South African Journal of Botany</i> , 2014, 92, 78-82.	2.5	43
87	Changes in the photosynthetic efficiency of winter wheat in response to abiotic stress. <i>Open Life Sciences</i> , 2014, 9, 519-530.	1.4	11
88	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.	4.2	135
89	Multiple heat priming enhances thermo-tolerance to a later high temperature stress via improving subcellular antioxidant activities in wheat seedlings. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 185-192.	5.8	125
90	<i>cyp11A1</i> Canola plants under short time heat stress conditions. <i>Cytology and Genetics</i> , 2014, 48, 279-284.	0.5	4

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91	Research Advances in Mechanisms of Turfgrass Tolerance to Abiotic Stresses: From Physiology to Molecular Biology. <i>Critical Reviews in Plant Sciences</i> , 2014, 33, 141-189.	5.7	162
92	Antioxidant Enzymes. , 2014, , 369-396.		4
93	Changes induced by osmotic stress in the morphology, biochemistry, physiology, anatomy and stomatal parameters of almond species (<i>Prunus L. spp.</i>) grown in vitro. <i>Journal of Forestry Research</i> , 2014, 25, 523-534.	3.6	15
94	Genome-wide transcriptional changes of ramie (<i>Boehmeria nivea L. Gaud</i>) in response to root-lesion nematode infection. <i>Gene</i> , 2014, 552, 67-74.	2.2	30
95	Superoxide Dismutase (SOD) and Abiotic Stress Tolerance in Plants. , 2014, , 89-129.		29
96	Photosynthesis and protein metabolism associated with elevated CO ₂ -mitigation of heat stress damages in tall fescue. <i>Environmental and Experimental Botany</i> , 2014, 99, 75-85.	4.2	37
97	Root protein metabolism in association with improved root growth and drought tolerance by elevated carbon dioxide in creeping bentgrass. <i>Field Crops Research</i> , 2014, 165, 80-91.	5.1	20
98	A comprehensive evaluation of heat tolerance in nine cultivars of marigold. <i>Horticulture Environment and Biotechnology</i> , 2015, 56, 749-755.	2.1	9
99	Evaluating biochemical response of some selected perennial grasses under drought stress in Iran. <i>Horticulture Environment and Biotechnology</i> , 2015, 56, 383-390.	2.1	10
100	Comparison of teosinte (<i>Zea mexicana L.</i>) and inter-subspecific hybrids (<i>Zea mays L.</i> — <i>Zea mexicana</i>) for high forage yield under two sowing regimes. <i>Crop and Pasture Science</i> , 2015, 66, 49.	1.5	14
101	Assessment of Drought Tolerance in Sainfoin: Physiological and Drought Tolerance Indices. <i>Agronomy Journal</i> , 2015, 107, 1771-1781.	1.8	13
102	Low-Temperature Triggered Varied Antioxidant Responses in Tomato. <i>International Journal of Vegetable Science</i> , 2015, 21, 329-343.	1.3	3
103	Growth, morphological and photosynthetic characteristics, antioxidant capacity, biomass yield and water use efficiency of <i>Gynura bicolor DC</i> exposed to super-elevated CO ₂ . <i>Acta Astronautica</i> , 2015, 114, 138-146.	3.2	13
104	Response of Different Genotypes of Faba Bean Plant to Drought Stress. <i>International Journal of Molecular Sciences</i> , 2015, 16, 10214-10227.	4.1	139
105	Comparative proteomic analysis of cauliflower under high temperature and flooding stresses. <i>Scientia Horticulturae</i> , 2015, 183, 118-129.	3.6	10
106	Upregulation of antioxidant enzymes by exogenous gallic acid contributes to the amelioration in <i>Oryza sativa</i> roots exposed to salt and osmotic stress. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1487-1498.	5.3	25
107	Differences in salt tolerance between diploid and autotetraploid apple seedlings exposed to salt stress. <i>Scientia Horticulturae</i> , 2015, 190, 24-30.	3.6	54
108	Warming differentially influences the effects of drought on stoichiometry and metabolomics in shoots and roots. <i>New Phytologist</i> , 2015, 207, 591-603.	7.3	109

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109	Water loss prevention plays a greater role than ROS scavenging in dehydration tolerance of <i>Kalanchoe tubiflora</i> epiphyllous buds. <i>Israel Journal of Plant Sciences</i> , 2015, 62, 153-159.	0.5	4
110	Root and physiological characteristics associated with drought tolerance in Iranian tall fescue. <i>Euphytica</i> , 2015, 202, 141-155.	1.2	37
111	Conservation Agriculture and Climate Change. , 2015, , 579-620.		20
112	The potential of nitric oxide for reducing oxidative damage induced by drought stress in two turfgrass species, creeping bentgrass and tall fescue. <i>Grass and Forage Science</i> , 2015, 70, 538-548.	2.9	36
113	Physiological and proteome studies of responses to heat stress during grain filling in contrasting wheat cultivars. <i>Plant Science</i> , 2015, 230, 33-50.	3.6	99
114	The study of humic acid foliar application on physiological and biochemical changes in wheat under irrigation withholding at different growth stages. <i>International Journal of Natural Sciences</i> , 2016, 5, 1-7.	0.0	3
115	Enhancing soybean response to biotic and abiotic stresses. , 2016, , 53-77.		5
116	Physiological and Metabolic Changes of Purslane (<i>Portulaca oleracea</i> L.) in Response to Drought, Heat, and Combined Stresses. <i>Frontiers in Plant Science</i> , 2015, 6, 1123.	3.6	92
117	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. <i>Frontiers in Plant Science</i> , 2015, 6, 1241.	3.6	225
118	Exogenous Application of Citric Acid Ameliorates the Adverse Effect of Heat Stress in Tall Fescue (<i>Lolium arundinaceum</i>). <i>Frontiers in Plant Science</i> , 2016, 7, 179.	3.6	66
119	Influence of salicylic acid (SA) and ascorbic acid (ASA) on in vitro propagation and salt tolerance of date palm (<i>Phoenix dactylifera</i> L.) cv. "Nersy". <i>Australian Journal of Crop Science</i> , 2016, 10, 969-976.	0.3	14
120	Quantitative Trait Loci Associated with Physiological Traits for Heat Tolerance in Creeping Bentgrass. <i>Crop Science</i> , 2016, 56, 1314-1329.	1.8	7
121	Analysis of transcriptional response to heat stress in <i>Rhazya stricta</i> . <i>BMC Plant Biology</i> , 2016, 16, 252.	3.6	39
122	ABA is required for the accumulation of APX1 and MBF1c during a combination of water deficit and heat stress. <i>Journal of Experimental Botany</i> , 2016, 67, 5381-5390.	4.8	153
123	Effect of UV radiation and artificial acid rain on productivity of wheat. <i>Russian Journal of Ecology</i> , 2016, 47, 158-166.	0.9	10
124	Photosynthesis, antioxidant system and gene expression of bermudagrass in response to low temperature and salt stress. <i>Ecotoxicology</i> , 2016, 25, 1445-1457.	2.4	38
125	Salt tolerance function of the novel C2H2-type zinc finger protein TaZNF in wheat. <i>Plant Physiology and Biochemistry</i> , 2016, 106, 129-140.	5.8	36
126	Tolerance of citrus plants to the combination of high temperatures and drought is associated to the increase in transpiration modulated by a reduction in abscisic acid levels. <i>BMC Plant Biology</i> , 2016, 16, 105.	3.6	183

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127	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.	1.9	47
128	Long-distance plant signaling pathways in response to multiple stressors: the gap in knowledge. <i>Journal of Experimental Botany</i> , 2016, 67, 2063-2079.	4.8	148
129	Selenium (Se) improves drought tolerance in crop plants – a myth or fact?. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 372-380.	3.5	63
130	Significance of sulfur in heat stressed cluster bean (<i>Cymopsis tetragonoloba</i> L. Taub) genotypes: responses of growth, sugar and antioxidative metabolism. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 288-295.	2.6	14
131	The impact of selenium application on enzymatic and non-enzymatic antioxidant systems in <i>Zea mays</i> roots treated with combined osmotic and heat stress. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 261-275.	2.6	35
132	Progesterone increases photochemical efficiency of photosystem II in wheat under heat stress by facilitating D1 protein phosphorylation. <i>Photosynthetica</i> , 2017, 55, 664-670.	1.7	12
133	Genetic analysis of root and physiological traits of tall fescue in association with drought stress conditions. <i>Euphytica</i> , 2017, 213, 1.	1.2	10
134	Plant dehydrins: shedding light on structure and expression patterns of dehydrin gene family in barley. <i>Journal of Plant Research</i> , 2017, 130, 747-763.	2.4	31
135	Physiological and Tolerance Indices Useful for Drought Tolerance Selection in Smooth Bromegrass. <i>Crop Science</i> , 2017, 57, 282-289.	1.8	16
136	Defensive responses in <i>Capsicum annuum</i> (L) plants, induced due to the feeding by different larval instars of <i>Spodoptera litura</i> (F). <i>Arthropod-Plant Interactions</i> , 2017, 11, 193-202.	1.1	5
137	Differential Physiological Responses and Genetic Variations in Fine Fescue Species for Heat and Drought Stress. <i>Journal of the American Society for Horticultural Science</i> , 2017, 142, 367-375.	1.0	12
138	Research Advances on Tall Fescue Salt Tolerance: From Root Signaling to Molecular and Metabolic Adjustment. <i>Journal of the American Society for Horticultural Science</i> , 2017, 142, 337-345.	1.0	5
139	Physiological responses of <i>Populus sibirica</i> to different irrigation regimes for reforestation in arid area. <i>South African Journal of Botany</i> , 2017, 112, 329-335.	2.5	6
140	Heat Shock Enhances Isothiocyanate Formation and Antioxidant Capacity of Cabbage Sprouts. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e13034.	2.0	7
141	Activation of Secondary Metabolism in Citrus Plants Is Associated to Sensitivity to Combined Drought and High Temperatures. <i>Frontiers in Plant Science</i> , 2016, 7, 1954.	3.6	127
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158	<i>Festuca campestris</i> density and defoliation regulate abundance of the rhizomatous grass <i>Poa pratensis</i> in a fallow field. <i>Restoration Ecology</i> , 2018, 26, 82-90.	2.9	4
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