Bingru Huang

List of Publications by Year
in descending order

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294 papers	18,954 citations	17440 63 h-index	17592 121 g-index
294 all docs	294 docs citations	294 times ranked	14126 citing authors

#	Article	IF	Citations
1	Knock down of NON-YELLOW COLOURING 1-like gene or chlorophyllin application enhanced chlorophyll accumulation with antioxidant roles in suppressing heat-induced leaf senescence in perennial ryegrass. Journal of Experimental Botany, 2022, 73, 429-444.	4.8	10
2	Metabolic and Physiological Regulation of Aspartic Acid-Mediated Enhancement of Heat Stress Tolerance in Perennial Ryegrass. Plants, 2022, 11, 199.	3.5	24
3	The NAC factor LpNAL delays leaf senescence by repressing two chlorophyll catabolic genes in perennial ryegrass. Plant Physiology, 2022, 189, 595-610.	4.8	14
4	Carotene-enhanced Heat Tolerance in Creeping Bentgrass in Association with Regulation of Enzymatic Antioxidant Metabolism. Journal of the American Society for Horticultural Science, 2022, 147, 145-151.	1.0	3
5	Differential Regulation of Amino Acids and Nitrogen for Drought Tolerance and Poststress Recovery in Creeping Bentgrass. Journal of the American Society for Horticultural Science, 2022, 147, 208-215.	1.0	4
6	Phosphatidic acid and hydrogen peroxide coordinately enhance heat tolerance in tall fescue. Plant Biology, 2021, 23, 142-151.	3.8	3
7	Choline-Mediated Lipid Reprogramming as a Dominant Salt Tolerance Mechanism in Grass Species Lacking Glycine Betaine. Plant and Cell Physiology, 2021, 61, 2018-2030.	3.1	11
8	Antioxidant regulation of iron as a repressor for salt-induced leaf senescence in perennial grass species. Plant Growth Regulation, 2021, 94, 287-301.	3.4	2
9	NOLâ€mediated functional stayâ€green traits in perennial ryegrass (Lolium perenne L.) involving multifaceted molecular factors and metabolic pathways regulating leaf senescence. Plant Journal, 2021, 106, 1219-1232.	5.7	22
10	Addressing Research Bottlenecks to Crop Productivity. Trends in Plant Science, 2021, 26, 607-630.	8.8	76
11	CCCH protein-PvCCCH69 acted as a repressor for leaf senescence through suppressing ABA-signaling pathway. Horticulture Research, 2021, 8, 165.	6.3	9
12	Responses to elevated carbon dioxide for postdrought recovery of turfgrass species differing in growth characteristics. Crop Science, 2021, 61, 4436-4446.	1.8	3
13	<scp>LpNOL</scp>â€knockdown suppression of heatâ€induced leaf senescence in perennial ryegrass involving regulation of amino acid and organic acid metabolism. Physiologia Plantarum, 2021, 173, 1979-1991.	5.2	3
14	Glutamate acts as a repressor for heat-induced leaf senescence involving chlorophyll degradation and amino acid metabolism in creeping bentgrass. Grass Research, 2021, 1, 1-10.	1.7	12
15	Improved heat tolerance in creeping bentgrass by Î³-aminobutyric acid, proline, and inorganic nitrogen associated with differential regulation of amino acid metabolism. Plant Growth Regulation, 2021, 93, 231-242.	3.4	23
16	Comparative transcriptomics and gene network analysis revealed secondary metabolism as preeminent metabolic pathways for heat tolerance in hard fescue. Grass Research, 2021, 1, 1-10.	1.7	1
17	Upâ€regulation of lipid metabolism and glycine betaine synthesis are associated with cholineâ€induced salt tolerance in halophytic seashore paspalum. Plant, Cell and Environment, 2020, 43, 159-173.	5.7	35
18	Protective roles of salicylic acid in maintaining integrity and functions of photosynthetic photosystems for alfalfa (Medicago sativa L.) tolerance to aluminum toxicity. Plant Physiology and Biochemistry, 2020, 155, 570-578.	5.8	19

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19	Overexpression of an aquaporin gene PvPIP2;9 improved biomass yield, protein content, drought tolerance and water use efficiency in switchgrass (Panicum virgatum L.). GCB Bioenergy, 2020, 12, 979-991.	5.6	13
20	Natural variation of physiological traits, molecular markers, and chlorophyll catabolic genes associated with heat tolerance in perennial ryegrass accessions. BMC Plant Biology, 2020, 20, 520.	3.6	17
21	Effects of elevated carbon dioxide on drought tolerance and postâ€drought recovery involving rhizome growth in Kentucky bluegrass. Crop Science, 2020, 61, 3219.	1.8	6
22	Protein phosphorylation associated with drought priming-enhanced heat tolerance in a temperate grass species. Horticulture Research, 2020, 7, 207.	6.3	16
23	Priming effects of phytometabolites and hormones on rooting characteristics in tall fescue exposed to water stress. Crop Science, 2020, 60, 2732-2743.	1.8	0
24	Drought priming-induced heat tolerance: Metabolic pathways and molecular mechanisms. , 2020, , 149-160.		6
25	Suppression of heat-induced leaf senescence by Î³-aminobutyric acid, proline, and ammonium nitrate through regulation of chlorophyll degradation in creeping bentgrass. Environmental and Experimental Botany, 2020, 177, 104116.	4.2	26
26	Differential regulatory pathways associated with drought-inhibition and post-drought recuperation of rhizome development in perennial grass. Annals of Botany, 2020, 126, 481-497.	2.9	8
27	Lipidomic reprogramming associated with drought stress primingâ€enhanced heat tolerance in tall fescue (<scp>Festuca arundinacea</scp>). Plant, Cell and Environment, 2019, 42, 947-958.	5.7	75
28	Transcriptional regulation of chlorophyll-catabolic genes associated with exogenous chemical effects and genotypic variations in heat-induced leaf senescence for perennial ryegrass. Environmental and Experimental Botany, 2019, 167, 103858.	4.2	17
29	Metabolic adjustment and gene expression for root sodium transport and calcium signaling contribute to salt tolerance in Agrostis grass species. Plant and Soil, 2019, 443, 219-232.	3.7	17
30	Stimulation of Growth and Alteration of Hormones by Elevated Carbon Dioxide for Creeping Bentgrass Exposed to Drought. Crop Science, 2019, 59, 1672-1680.	1.8	11
31	Improved cold tolerance in switchgrass by a novel CCCH-type zinc finger transcription factor gene, PvC3H72, associated with ICE1â€“CBFâ€“COR regulon and ABA-responsive genes. Biotechnology for Biofuels, 2019, 12, 224.	6.2	27
32	Metabolomic changes associated with elevated CO2-regulation of salt tolerance in Kentucky bluegrass. Environmental and Experimental Botany, 2019, 165, 129-138.	4.2	6
33	Strigolactones Promote Leaf Elongation in Tall Fescue through Upregulation of Cell Cycle Genes and Downregulation of Auxin Transport Genes in Tall Fescue under Different Temperature Regimes. International Journal of Molecular Sciences, 2019, 20, 1836.	4.1	20
34	Gibberellic acid inhibition of tillering in tall fescue involving crosstalks with cytokinins and transcriptional regulation of genes controlling axillary bud outgrowth. Plant Science, 2019, 287, 110168.	3.6	38
35	Proteomic Profiling for Metabolic Pathways Involved in Interactive Effects of Elevated Carbon Dioxide and Nitrogen on Leaf Growth in a Perennial Grass Species. Journal of Proteome Research, 2019, 18, 2446-2457.	3.7	8
36	Differential Heatâ€Induced Changes in Phenolic Acids Associated with Genotypic Variations in Heat Tolerance for Hard Fescue. Crop Science, 2019, 59, 667-674.	1.8	40

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37	Abscisic acid mediation of drought primingâ€enhanced heat tolerance in tall fescue (<scp>Festuca) Tj ETQq1 1 0.784314 rgBT /Over	5.2	44
38	Knockdown ofSTAYGREENin Perennial Ryegrass (Lolium perenneL.) Leads to Transcriptomic Alterations Related to Suppressed Leaf Senescence and Improved Forage Quality. Plant and Cell Physiology, 2019, 60, 202-212.	3.1	34
39	Differential Responses of Amino Acids and Soluble Proteins to Heat Stress Associated with Genetic Variations in Heat Tolerance for Hard Fescue. Journal of the American Society for Horticultural Science, 2018, 143, 45-55.	1.0	36
40	Characterization and transcriptional regulation of chlorophyll b reductase gene NON-YELLOW COLORING 1 associated with leaf senescence in perennial ryegrass (Lolium perenne L.). Environmental and Experimental Botany, 2018, 149, 43-50.	4.2	14
41	Strigolactones and interaction with auxin regulating root elongation in tall fescue under different temperature regimes. Plant Science, 2018, 271, 34-39.	3.6	41
42	Interactive effects of melatonin and cytokinin on alleviating drought-induced leaf senescence in creeping bentgrass (Agrostis stolonifera). Environmental and Experimental Botany, 2018, 145, 1-11.	4.2	135
43	Characterization of Dehydrin protein, CdDHN4-L and CdDHN4-S, and their differential protective roles against abiotic stress in vitro. BMC Plant Biology, 2018, 18, 299.	3.6	32
44	Association of SSR and Candidate Gene Markers with Genetic Variations in Summer Heat and Drought Performance for Creeping Bentgrass. Crop Science, 2018, 58, 2644-2656.	1.8	10
45	Comparative transcriptomic analysis reveals common molecular factors responsive to heat and drought stress in Agrostis stolonifera. Scientific Reports, 2018, 8, 15181.	3.3	32
46	Characterization and Functional Analysis of FaHsfC1b from Festuca arundinacea Conferring Heat Tolerance in Arabidopsis. International Journal of Molecular Sciences, 2018, 19, 2702.	4.1	43
47	Enhanced stolon growth and metabolic adjustment in creeping bentgrass with elevated CO2 concentration. Environmental and Experimental Botany, 2018, 155, 87-97.	4.2	19
48	Transcriptomic analysis reveals unique molecular factors for lipid hydrolysis, secondary cell-walls and oxidative protection associated with thermotolerance in perennial grass. BMC Genomics, 2018, 19, 70.	2.8	15
49	Candidate Genes and Molecular Markers Correlated to Physiological Traits for Heat Tolerance in Fine Fescue Cultivars. International Journal of Molecular Sciences, 2018, 19, 116.	4.1	30
50	Alteration of Transcripts of Stress-Protective Genes and Transcriptional Factors by Î³-Aminobutyric Acid (GABA) Associated with Improved Heat and Drought Tolerance in Creeping Bentgrass (Agrostis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.2	46
51	The optimal CO2 concentrations for the growth of three perennial grass species. BMC Plant Biology, 2018, 18, 27.	3.6	31
52	Switchgrass PvDREB1C plays opposite roles in plant cold and salt tolerance in transgenic tobacco. Hereditas, 2018, 155, 15.	1.4	7
53	Butanediol-enhanced heat tolerance in Agrostis stolonifera in association with alteration in stress-related gene expression and metabolic profiles. Environmental and Experimental Botany, 2018, 153, 209-217.	4.2	8
54	Lipid- and calcium-signaling regulation of HsfA2c -mediated heat tolerance in tall fescue. Environmental and Experimental Botany, 2017, 136, 59-67.	4.2	25

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55	Differential Effects of Glycine Betaine and Spermidine on Osmotic Adjustment and Antioxidant Defense Contributing to Improved Drought Tolerance in Creeping Bentgrass. Journal of the American Society for Horticultural Science, 2017, 142, 20-26.	1.0	18
56	Melatonin suppression of heat-induced leaf senescence involves changes in abscisic acid and cytokinin biosynthesis and signaling pathways in perennial ryegrass (Lolium perenne L.). Environmental and Experimental Botany, 2017, 138, 36-45.	4.2	214
57	Transcriptional regulation of hormoneâ€synthesis and signaling pathways by overexpressing cytokininâ€synthesis contributes to improved drought tolerance in creeping bentgrass. Physiologia Plantarum, 2017, 161, 235-256.	5.2	22
58	Differential profiles of membrane proteins, fatty acids, and sterols associated with genetic variations in heat tolerance for a perennial grass species, hard fescue (Festuca Trachyphylla). Environmental and Experimental Botany, 2017, 140, 65-75.	4.2	36
59	Differential Physiological Responses and Genetic Variations in Fine Fescue Species for Heat and Drought Stress. Journal of the American Society for Horticultural Science, 2017, 142, 367-375.	1.0	12
60	Transcriptional factors for stress signaling, oxidative protection, and protein modification in ipt-transgenic creeping bentgrass exposed to drought stress. Environmental and Experimental Botany, 2017, 144, 49-60.	4.2	13
61	Drought inhibition of tillering in Festuca arundinacea associated with axillary bud development and strigolactone signaling. Environmental and Experimental Botany, 2017, 142, 15-23.	4.2	24
62	An efficient protocol for perennial ryegrass mesophyll protoplast isolation and transformation, and its application on interaction study between LpNOL and LpNYC1. Plant Methods, 2017, 13, 46.	4.3	46
63	Metabolic pathways regulated by abscisic acid, salicylic acid and Î³â€aminobutyric acid in association with improved drought tolerance in creeping bentgrass (Agrostis stolonifera). Physiologia Plantarum, 2017, 159, 42-58.	5.2	150
64	Molecular regulation and physiological functions of a novel FaHsfA2c cloned from tall fescue conferring plant tolerance to heat stress. Plant Biotechnology Journal, 2017, 15, 237-248.	8.3	58
65	Exogenous Ascorbic Acid Mediated Abiotic Stress Tolerance in Plants. , 2017, , 233-253.		2
66	Metabolic Effects of Acibenzolar-S-Methyl for Improving Heat or Drought Stress in Creeping Bentgrass. Frontiers in Plant Science, 2017, 8, 1224.	3.6	33
67	Metabolic Pathways Involved in Carbon Dioxide Enhanced Heat Tolerance in Bermudagrass. Frontiers in Plant Science, 2017, 8, 1506.	3.6	30
68	Effects of Trinexapacâ€Ethyl and Daconil Action (Acibenzolarâ€•S â€Methyl and Chlorothalonil) on Heat and Drought Tolerance of Creeping Bentgrass. Crop Science, 2017, 57, S-138.	1.8	5
69	Transcriptional Responses of Creeping Bentgrass to 2,3-Butanediol, a Bacterial Volatile Compound (BVC) Analogue. Molecules, 2017, 22, 1318.	3.8	32
70	Identification and Validation of Reference Genes for Seashore Paspalum Response to Abiotic Stresses. International Journal of Molecular Sciences, 2017, 18, 1322.	4.1	27
71	Heatâ€Induced Leaf Senescence Associated with Chlorophyll Metabolism in Bentgrass Lines Differing in Heat Tolerance. Crop Science, 2017, 57, S-169.	1.8	51
72	Up-Regulation of HSFA2c and HSPs by ABA Contributing to Improved Heat Tolerance in Tall Fescue and Arabidopsis. International Journal of Molecular Sciences, 2017, 18, 1981.	4.1	45

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73	Candidate genes and molecular markers associated with heat tolerance in colonial Bentgrass. PLoS ONE, 2017, 12, e0171183.	2.5	18
74	Gene Expression Analysis of Alfalfa Seedlings Response to Acid-Aluminum. International Journal of Genomics, 2016, 2016, 1-13.	1.6	18
75	Functional Identification and Characterization of Genes Cloned from Halophyte Seashore Paspalum Conferring Salinity and Cadmium Tolerance. Frontiers in Plant Science, 2016, 7, 102.	3.6	27
76	Gibberellin-Stimulation of Rhizome Elongation and Differential GA-Responsive Proteomic Changes in Two Grass Species. Frontiers in Plant Science, 2016, 7, 905.	3.6	17
77	Exogenous Melatonin Suppresses Dark-Induced Leaf Senescence by Activating the Superoxide Dismutase-Catalase Antioxidant Pathway and Down-Regulating Chlorophyll Degradation in Excised Leaves of Perennial Ryegrass (Lolium perenne L.). Frontiers in Plant Science, 2016, 7, 1500.	3.6	83
78	Quantitative Trait Loci Associated with Physiological Traits for Heat Tolerance in Creeping Bentgrass. Crop Science, 2016, 56, 1314-1329.	1.8	7
79	Gibberellin-Regulation and Genetic Variations in Leaf Elongation for Tall Fescue in Association with Differential Gene Expression Controlling Cell Expansion. Scientific Reports, 2016, 6, 30258.	3.3	29
80	Metabolic pathways regulated by Î³-aminobutyric acid (GABA) contributing to heat tolerance in creeping bentgrass (Agrostis stolonifera). Scientific Reports, 2016, 6, 30338.	3.3	130
81	Hormone regulation of rhizome development in tall fescue (Festuca arundinacea) associated with proteomic changes controlling respiratory and amino acid metabolism. Annals of Botany, 2016, 118, 481-494.	2.9	17
82	Transcriptional regulation of heat shock proteins and ascorbate peroxidase by CtHsfA2b from African bermudagrass conferring heat tolerance in Arabidopsis. Scientific Reports, 2016, 6, 28021.	3.3	37
83	Aluminium-induced reduction of plant growth in alfalfa (Medicago sativa) is mediated by interrupting auxin transport and accumulation in roots. Scientific Reports, 2016, 6, 30079.	3.3	55
84	Chlorophyll loss associated with heat-induced senescence in bentgrass. Plant Science, 2016, 249, 1-12.	3.6	89
85	Osmotic stress- and salt stress-inhibition and gibberellin-mitigation of leaf elongation associated with up-regulation of genes controlling cell expansion. Environmental and Experimental Botany, 2016, 131, 101-109.	4.2	20
86	Mechanisms of Hormone Regulation for Drought Tolerance in Plants. , 2016, , 45-75.		10
87	Functional characterization and hormonal regulation of thePHEOPHYTINASEgeneLpPPHcontrolling leaf senescence in perennial ryegrass. Journal of Experimental Botany, 2016, 67, 935-945.	4.8	58
88	Cytokinin-mitigation of salt-induced leaf senescence in perennial ryegrass involving the activation of antioxidant systems and ionic balance. Environmental and Experimental Botany, 2016, 125, 1-11.	4.2	60
89	Enhancing cytokinin synthesis by overexpressingiptalleviated drought inhibition of root growth through activating ROS-scavenging systems inAgrostis stolonifera. Journal of Experimental Botany, 2016, 67, 1979-1992.	4.8	137
90	Differentially Expressed Genes Associated with Improved Drought Tolerance in Creeping Bentgrass Overexpressing a Gene for Cytokinin Biosynthesis. PLoS ONE, 2016, 11, e0166676.	2.5	23

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91	Physiological Effects of Î³-Aminobutyric Acid Application on Improving Heat and Drought Tolerance in Creeping Bentgrass. Journal of the American Society for Horticultural Science, 2016, 141, 76-84.	1.0	29
92	Leaf Protein Abundance Associated with Improved Drought Tolerance by Elevated Carbon Dioxide in Creeping Bentgrass. Journal of the American Society for Horticultural Science, 2016, 141, 85-96.	1.0	9
93	Cellular and Molecular Mechanisms for Elevated CO₂â€“Regulation of Plant Growth and Stress Adaptation. Crop Science, 2015, 55, 1405-1424.	1.8	48
94	Membrane Proteins Associated with Heatâ€Induced Leaf Senescence in a Coolâ€Season Grass Species. Crop Science, 2015, 55, 837-850.	1.8	9
95	Carbon Allocation Patterns into Proteins and Lipids Associated with Superior Tolerance of Perennial Grass to High Soil Temperature. Crop Science, 2015, 55, 2262-2269.	1.8	14
96	Metabolite Responses to Exogenous Application of Nitrogen, Cytokinin, and Ethylene Inhibitors in Relation to Heat-Induced Senescence in Creeping Bentgrass. PLoS ONE, 2015, 10, e0123744.	2.5	39
97	PpCBF3 from Cold-Tolerant Kentucky Bluegrass Involved in Freezing Tolerance Associated with Up-Regulation of Cold-Related Genes in Transgenic Arabidopsis thaliana. PLoS ONE, 2015, 10, e0132928.	2.5	19
98	Ascorbic acid mitigation of water stress-inhibition of root growth in association with oxidative defense in tall fescue (Festuca arundinacea Schreb.). Frontiers in Plant Science, 2015, 6, 807.	3.6	48
99	Physiological factors involved in positive effects of elevated carbon dioxide concentration on Bermudagrass tolerance to salinity stress. Environmental and Experimental Botany, 2015, 115, 20-27.	4.2	50
100	Selection and validation of reference genes for target gene analysis with quantitative <scp>RTâ€PCR</scp> in leaves and roots of bermudagrass under four different abiotic stresses. Physiologia Plantarum, 2015, 155, 138-148.	5.2	44
101	Functional characterization of salicylate hydroxylase from the fungal endophyte EpichloÃ« festucae. Scientific Reports, 2015, 5, 10939.	3.3	60
102	Selection of reference genes for quantitative real-time PCR normalization in creeping bentgrass involved in four abiotic stresses. Plant Cell Reports, 2015, 34, 1825-1834.	5.6	53
103	Comprehensive analysis of CCCH-type zinc finger family genes facilitates functional gene discovery and reflects recent allopolyploidization event in tetraploid switchgrass. BMC Genomics, 2015, 16, 129.	2.8	38
104	Proteins associated with heat-induced leaf senescence in creeping bentgrass as affected by foliar application of nitrogen, cytokinins, and an ethylene inhibitor. Proteomics, 2015, 15, 798-812.	2.2	46
105	Identification and Validation of Reference Genes for Quantification of Target Gene Expression with Quantitative Real-time PCR for Tall Fescue under Four Abiotic Stresses. PLoS ONE, 2015, 10, e0119569.	2.5	48
106	Root Antioxidant Mechanisms in Relation to Root Thermotolerance in Perennial Grass Species Contrasting in Heat Tolerance. PLoS ONE, 2015, 10, e0138268.	2.5	12
107	Effects of Elevated CO2 Concentration on Water Relations and Photosynthetic Responses to Drought Stress and Recovery during Rewatering in Tall Fescue. Journal of the American Society for Horticultural Science, 2015, 140, 19-26.	1.0	19
108	Physiological Effects of Aquaporin in Regulating Drought Tolerance through Overexpressing of Festuca arundinacea Aquaporin Gene FaPIP2;1. Journal of the American Society for Horticultural Science, 2015, 140, 404-412.	1.0	17

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109	Growth and Physiological Factors Involved in Interspecific Variations in Drought Tolerance and Postdrought Recovery in Warm- and Cool-season Turfgrass Species. Journal of the American Society for Horticultural Science, 2015, 140, 459-465.	1.0	5
110	Osmoregulants Involved in Osmotic Adjustment for Differential Drought Tolerance in Different Bentgrass Genotypes. Journal of the American Society for Horticultural Science, 2015, 140, 605-613.	1.0	13
111	Elevated CO2-Mitigation of High Temperature Stress Associated with Maintenance of Positive Carbon Balance and Carbohydrate Accumulation in Kentucky Bluegrass. PLoS ONE, 2014, 9, e89725.	2.5	31
112	Physiological and Metabolic Effects of 5-Aminolevulinic Acid for Mitigating Salinity Stress in Creeping Bentgrass. PLoS ONE, 2014, 9, e116283.	2.5	37
113	Effects of Sequential Application of Plant Growth Regulators and Osmoregulants on Drought Tolerance of Creeping Bentgrass (Agrostis stolonifera). Crop Science, 2014, 54, 837-844.	1.8	11
114	Quantitative Trait Loci Associated with Drought Tolerance in Creeping Bentgrass. Crop Science, 2014, 54, 2314-2324.	1.8	15
115	Photoperiod and Temperature Effects on Rhizome Production and Tillering Rate in Tall Fescue [Lolium arundinaceum (Schreb.) Darby.]. Crop Science, 2014, 54, 1205-1210.	1.8	9
116	Mechanism of Salinity Tolerance in Plants: Physiological, Biochemical, and Molecular Characterization. International Journal of Genomics, 2014, 2014, 1-18.	1.6	1,261
117	Differential growth and physiological responses to heat stress between two annual and two perennial cool-season turfgrasses. Scientia Horticulturae, 2014, 170, 75-81.	3.6	20
118	Research Advances in Mechanisms of Turfgrass Tolerance to Abiotic Stresses: From Physiology to Molecular Biology. Critical Reviews in Plant Sciences, 2014, 33, 141-189.	5.7	162
119	Photosynthesis and protein metabolism associated with elevated CO2-mitigation of heat stress damages in tall fescue. Environmental and Experimental Botany, 2014, 99, 75-85.	4.2	37
120	Root protein metabolism in association with improved root growth and drought tolerance by elevated carbon dioxide in creeping bentgrass. Field Crops Research, 2014, 165, 80-91.	5.1	20
121	Growth and physiological responses of creeping bentgrass (Agrostis stolonifera) to elevated carbon dioxide concentrations. Horticulture Research, 2014, 1, 14021.	6.3	21
122	Transgenic Tobacco Plants Overexpressing a Grass PpEXP1 Gene Exhibit Enhanced Tolerance to Heat Stress. PLoS ONE, 2014, 9, e100792.	2.5	66
123	Characterization of Gene Expression Associated with Drought Avoidance and Tolerance Traits in a Perennial Grass Species. PLoS ONE, 2014, 9, e103611.	2.5	21
124	Differential Effectiveness of Doubling Ambient Atmospheric CO2 Concentration Mitigating Adverse Effects of Drought, Heat, and Combined Stress in Kentucky Bluegrass. Journal of the American Society for Horticultural Science, 2014, 139, 364-373.	1.0	3
125	Photosynthetic enzyme activities and gene expression associated with drought tolerance and post-drought recovery in Kentucky bluegrass. Environmental and Experimental Botany, 2013, 89, 28-35.	4.2	59
126	Antioxidant enzymatic activities and gene expression associated with heat tolerance in a cool-season perennial grass species. Environmental and Experimental Botany, 2013, 87, 159-166.	4.2	38

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127	Classification of Genetic Variation for Drought Tolerance in Tall Fescue using Physiological Traits and Molecular Markers. Crop Science, 2013, 53, 647-654.	1.8	13
128	Growth and Physiological Traits of Canopy and Root Systems Associated with Drought Resistance in Tall Fescue. Crop Science, 2013, 53, 575-584.	1.8	10
129	Identification of Metabolites Associated with Superior Heat Tolerance in Thermal Bentgrass through Metabolic Profiling. Crop Science, 2013, 53, 1626-1635.	1.8	34
130	Effects of Cytokinin and Potassium on Stomatal and Photosynthetic Recovery of Kentucky Bluegrass from Drought Stress. Crop Science, 2013, 53, 221-231.	1.8	52
131	Changes in Carbohydrate Metabolism in Two Kentucky Bluegrass Cultivars during Drought Stress and Recovery. Journal of the American Society for Horticultural Science, 2013, 138, 24-30.	1.0	22
132	Identification of Quantitative Trait Loci Linked to Drought Tolerance in a Colonial Ã— Creeping Bentgrass Hybrid Population. Crop Science, 2012, 52, 1891-1901.	1.8	17
133	Comparative Analysis of Proteomic Responses to Single and Simultaneous Drought and Heat Stress for Two Kentucky Bluegrass Cultivars. Crop Science, 2012, 52, 1246-1260.	1.8	10
134	Growth and Physiological Recovery of Kentucky Bluegrass from Drought Stress as Affected by a Synthetic Cytokinin 6â€Benzylaminopurine. Crop Science, 2012, 52, 2332-2340.	1.8	13
135	Improved Heat Tolerance through Drought Preconditioning Associated with Changes in Lipid Composition, Antioxidant Enzymes, and Protein Expression in Kentucky Bluegrass. Crop Science, 2012, 52, 807-817.	1.8	19
136	Effects of Elevated CO₂ on Physiological Responses of Tall Fescue to Elevated Temperature, Drought Stress, and the Combined Stresses. Crop Science, 2012, 52, 1848-1858.	1.8	74
137	Root carbon and protein metabolism associated with heat tolerance. Journal of Experimental Botany, 2012, 63, 3455-3465.	4.8	137
138	Elevated cytokinin content in ipt transgenic creeping bentgrass promotes drought tolerance through regulating metabolite accumulation. Journal of Experimental Botany, 2012, 63, 1315-1328.	4.8	149
139	Identification of differentially expressed salt-responsive proteins in roots of two perennial grass species contrasting in salinity tolerance. Journal of Plant Physiology, 2012, 169, 117-126.	3.5	44
140	Chromosomal regions associated with dollar spot resistance in colonial bentgrass. Plant Breeding, 2012, 131, 193-197.	1.9	3
141	Proteins and Metabolites Regulated by Trinexapac-ethyl in Relation to Drought Tolerance in Kentucky Bluegrass. Journal of Plant Growth Regulation, 2012, 31, 25-37.	5.1	20
142	Differential Effects of Abscisic Acid and Glycine Betaine on Physiological Responses to Drought and Salinity Stress for Two Perennial Grass Species. Journal of the American Society for Horticultural Science, 2012, 137, 96-106.	1.0	39
143	Metabolic Responses to Heat Stress under Elevated Atmospheric CO2 Concentration in a Cool-season Grass Species. Journal of the American Society for Horticultural Science, 2012, 137, 221-228.	1.0	86
144	Proteomic Responses during Cold Acclimation in Association with Freezing Tolerance of Velvet Bentgrass. Journal of the American Society for Horticultural Science, 2012, 137, 391-399.	1.0	15

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145	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.	1.0	45
146	Cloning and Characterization of a Gene, AsEXP1, Encoding Expansin Proteins Inducible by Heat Stress and Hormones in Creeping Bentgrass. Crop Science, 2011, 51, 333-341.	1.8	15
147	Heat Shock Proteins in Association with Heat Tolerance in Grasses. International Journal of Proteomics, 2011, 2011, 1-11.	2.0	76
148	Membrane Fatty Acid Composition and Saturation Levels Associated with Leaf Dehydration Tolerance and Postâ€Drought Rehydration in Kentucky Bluegrass. Crop Science, 2011, 51, 273-281.	1.8	57
149	Identification of proteins associated with waterâ€deficit tolerance in C₄ perennial grass species, Cynodon dactylonÃ—Cynodon transvaalensis and Cynodon dactylon. Physiologia Plantarum, 2011, 141, 40-55.	5.2	71
150	Differential metabolic responses of perennial grass Cynodon transvaalensisÃ—Cynodon dactylon (C₄) and Poa Pratensis (C₃) to heat stress. Physiologia Plantarum, 2011, 141, 251-264.	5.2	98
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