

Xunzhong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,249
citations

257450

24
h-index

289244

40
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41
all docs

41
docs citations

41
times ranked

2180
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated plant nutrition system (IPNS) for corn in the Mid-Atlantic USA. <i>Journal of Plant Nutrition</i> , 2021, 44, 704-722.	1.9	4
2	Biochemical and physiological responses of <i>Cannabis sativa</i> to an integrated plant nutrition system. <i>Agronomy Journal</i> , 2020, 112, 5237-5248.	1.8	7
3	Drought-induced injury is associated with hormonal alteration in Kentucky bluegrass. <i>Plant Signaling and Behavior</i> , 2019, 14, e1651607.	2.4	7
4	Salt Stress-induced Injury is Associated with Hormonal Alteration in Kentucky Bluegrass. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 97-101.	1.0	5
5	Melatonin suppression of heat-induced leaf senescence involves changes in abscisic acid and cytokinin biosynthesis and signaling pathways in perennial ryegrass (<i>Lolium perenne</i> L.). <i>Environmental and Experimental Botany</i> , 2017, 138, 36-45.	4.2	214
6	Physiological Mechanism of Enhancing Salt Stress Tolerance of Perennial Ryegrass by 24-Epibrassinolide. <i>Frontiers in Plant Science</i> , 2017, 8, 1017.	3.6	114
7	Auxin and Trinexapac-ethyl Impact on Root Viability and Hormone Metabolism in Creeping Bentgrass under Water Deficit. <i>Crop Science</i> , 2017, 57, S-130.	1.8	3
8	Hormone and Dehydrin Expression Responses to Cold Acclimation in Two Zoysiagrass Cultivars with Contrasting Freezing Tolerance. <i>Itsrj</i> , 2017, 13, 547.	0.3	4
9	An Integrated Nutritional and Chemical Approach to <i>Poa Annua</i> Suppression in Creeping Bentgrass Greens. <i>Crop Science</i> , 2017, 57, 567-572.	1.8	8
10	Analysis of salt-induced physiological and proline changes in 46 switchgrass (<i>Panicum virgatum</i>) lines indicates multiple response modes. <i>Plant Physiology and Biochemistry</i> , 2016, 105, 203-212.	5.8	54
11	Enhancing cytokinin synthesis by overexpressing <i>ipt</i> alleviated drought inhibition of root growth through activating ROS-scavenging systems in <i>Agrostis stolonifera</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 1979-1992.	4.8	137
12	Effects of Cytokinin and Nitrogen on Drought Tolerance of Creeping Bentgrass. <i>PLoS ONE</i> , 2016, 11, e0154005.	2.5	59
13	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
14	Physiological Evaluation of Alkali-Salt Tolerance of Thirty Switchgrass (<i>Panicum virgatum</i>) Lines. <i>PLoS ONE</i> , 2015, 10, e0125305.	2.5	22
15	Differential Responses of Antioxidants, Abscisic Acid, and Auxin to Deficit Irrigation in Two Perennial Ryegrass Cultivars Contrasting in Drought Tolerance. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 562-572.	1.0	26
16	Heat Shock Proteins in Relation to Heat Stress Tolerance of Creeping Bentgrass at Different N Levels. <i>PLoS ONE</i> , 2014, 9, e102914.	2.5	41
17	EFFECTS OF NITRATE AND CYTOKININ ON CREEPING BENTGRASS UNDER SUPRAOPTIMAL TEMPERATURES. <i>Journal of Plant Nutrition</i> , 2013, 36, 1549-1564.	1.9	11
18	Corn and Soybean Hormone and Antioxidant Metabolism Responses to Biosolids under Two Cropping Systems. <i>Crop Science</i> , 2013, 53, 2079-2089.	1.8	8

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19	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
20	Exogenous Glycine Betaine Ameliorates the Adverse Effect of Salt Stress on Perennial Ryegrass. <i>Journal of the American Society for Horticultural Science</i> , 2012, 137, 38-46.	1.0	107
21	Metabolic Changes During Cold Acclimation and Deacclimation in Five Bermudagrass Varieties: II. Cytokinin and Abscisic Acid Metabolism. <i>Crop Science</i> , 2011, 51, 847-853.	1.8	16
22	Metabolic Changes During Cold Acclimation and Deacclimation in Five Bermudagrass Varieties. I. Proline, Total Amino Acid, Protein, and Dehydrin Expression. <i>Crop Science</i> , 2011, 51, 838-846.	1.8	40
23	Drought Tolerance Associated with Proline and Hormone Metabolism in Two Tall Fescue Cultivars. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 1027-1032.	1.0	100
24	Optimizing Dosages of Seaweed Extractâ€Based Cytokinins and Zeatin Riboside for Improving Creeping Bentgrass Heat Tolerance. <i>Crop Science</i> , 2010, 50, 316-320.	1.8	43
25	Soil Carbon and Physiological Responses of Corn and Soybean to Organic Amendments. <i>Compost Science and Utilization</i> , 2010, 18, 162-173.	1.2	26
26	Enzymatic antioxidant responses to biostimulants in maize and soybean subjected to drought. <i>Scientia Agricola</i> , 2009, 66, 395-402.	1.2	73
27	Impact of Biosolids on Hormone Metabolism in Droughtâ€Stressed Tall Fescue. <i>Crop Science</i> , 2009, 49, 1893-1901.	1.8	59
28	Impact of Seaweed Extractâ€Based Cytokinins and Zeatin Riboside on Creeping Bentgrass Heat Tolerance. <i>Crop Science</i> , 2008, 48, 364-370.	1.8	147
29	DROUGHT ASSESSMENT OF AUXIN-BOOSTED BIOSOLIDS. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 150-165.	0.0	5
30	Influence of Sequential Trinexapacâ€Ethyl Applications on Cytokinin Content in Creeping Bentgrass, Kentucky Bluegrass, and Hybrid Bermudagrass. <i>Crop Science</i> , 2007, 47, 2145-2151.	1.8	26
31	Applied Physiology of Natural and Synthetic Plant Growth Regulators on Turfgrasses. <i>Books in Soils, Plants, and the Environment</i> , 2007, , 171-200.	0.1	9
32	Metabolic Defense Responses of Seeded Bermudagrass during Acclimation to Freezing Stress. <i>Crop Science</i> , 2006, 46, 2598-2605.	1.8	60
33	The Role of Leaf Pigment and Antioxidant Levels in UV-B Resistance of Dark- and Light-green Kentucky Bluegrass Cultivars. <i>Journal of the American Society for Horticultural Science</i> , 2005, 130, 836-841.	1.0	27
34	Cytokininâ€Containing Seaweed and Humic Acid Extracts Associated with Creeping Bentgrass Leaf Cytokinins and Drought Resistance. <i>Crop Science</i> , 2004, 44, 1737-1745.	1.8	229
35	Ultraviolet-B Radiation Damage on Kentucky Bluegrass II: Hormone Supplement Effects. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 1471-1474.	1.0	37
36	Plant Growth Regulators Can Enhance the Recovery of Kentucky Bluegrass Sod from Heat Injury. <i>Crop Science</i> , 2003, 43, 952-956.	1.8	97

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37	Physiological Effects of Liquid Applications of a Seaweed Extract and a Humic Acid on Creeping Bentgrass. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 492-496.	1.0	88
38	Plant Growth Regulators Can Enhance the Recovery of Kentucky Bluegrass Sod from Heat Injury. <i>Crop Science</i> , 2003, 43, 952.	1.8	27
39	Application of Trinexapac-ethyl and Propiconazole Enhances Superoxide Dismutase and Photochemical Activity in Creeping Bentgrass (<i>Agrostis stoloniferous</i> var. <i>palustris</i>). <i>Journal of the American Society for Horticultural Science</i> , 2000, 125, 47-51.	1.0	36
40	Hormone-Containing Products' Impact on Antioxidant Status of Tall Fescue and Creeping Bentgrass Subjected to Drought. <i>Crop Science</i> , 2000, 40, 1344-1349.	1.8	145
41	Humic acids-based biostimulants impact on root viability and hormone metabolism in creeping bentgrass putting greens. <i>Itsrsj</i> , 0, , .	0.3	4