

Silicate application increases the photosynthesis and its Kentucky bluegrass under drought stress and post-drou

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Citation Report

#	ARTICLE	IF	CITATIONS
1	miRNAs: Major modulators for crop growth and development under abiotic stresses. <i>Biotechnology Letters</i> , 2017, 39, 685-700.	2.2	77
2	Arsenic uptake, accumulation and toxicity in rice plants: Possible remedies for its detoxification: A review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9142-9158.	5.3	159
3	Nitrogen fertility and abiotic stresses management in cotton crop: a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14551-14566.	5.3	103
4	Water-saving technologies affect the grain characteristics and recovery of fine-grain rice cultivars in semi-arid environment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12971-12981.	5.3	25
5	<i>Bacillus safensis</i> with plant-derived smoke stimulates rice growth under saline conditions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23850-23863.	5.3	22
6	Quantification the impacts of climate change and crop management on phenology of maize-based cropping system in Punjab, Pakistan. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 42-55.	4.8	126
7	Effects of Nitrogen Supply on Water Stress and Recovery Mechanisms in Kentucky Bluegrass Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 983.	3.6	143
8	Arsenic Accumulation in Rice and Probable Mitigation Approaches: A Review. <i>Agronomy</i> , 2017, 7, 67.	3.0	112
9	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.	3.4	126
10	Influence of composted poultry manure and irrigation regimes on some morpho-physiology parameters of maize under semiarid environments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19918-19931.	5.3	7
11	Arsenic accumulation in lentil (<i>Lens culinaris</i>) genotypes and risk associated with the consumption of grains. <i>Scientific Reports</i> , 2019, 9, 9431.	3.3	34
12	Morpho-physiological and biochemical responses of tolerant and sensitive rapeseed cultivars to drought stress during early seedling growth stage. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	71
13	Trends of electronic waste pollution and its impact on the global environment and ecosystem. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16923-16938.	5.3	90
14	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.	5.3	33
15	Biosynthesis and Signal Transduction of ABA, JA, and BRs in Response to Drought Stress of Kentucky Bluegrass. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1289.	4.1	59
16	Improving maize grain yield by matching maize growth and solar radiation. <i>Scientific Reports</i> , 2019, 9, 3635.	3.3	54
17	Morphological acclimation to agronomic manipulation in leaf dispersion and orientation to promote "deotype" breeding: Evidence from 3D visual modeling of "super"rice (<i>Oryza sativa</i> L.). <i>Plant Physiology and Biochemistry</i> , 2019, 135, 499-510.	5.8	32
18	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.	5.3	23

#	ARTICLE	IF	CITATIONS
19	Using GIS tools to detect the land use/land cover changes during forty years in Lodhran District of Pakistan. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39676-39692.	5.3	114
20	Quantitative leaf anatomy and photophysiology systems of C3 and C4 turfgrasses in response to shading. <i>Scientia Horticulturae</i> , 2020, 274, 109674.	3.6	24
21	Effects of arbuscular mycorrhizal fungi, biochar, selenium, silica gel, and sulfur on arsenic uptake and biomass growth in <i>Pisum sativum</i> L.. <i>Emerging Contaminants</i> , 2020, 6, 312-322.	4.9	21
22	Biofortification Under Climate Change: The Fight Between Quality and Quantity. , 2020, , 173-227.		16
23	Consequences of Salinity Stress on the Quality of Crops and Its Mitigation Strategies for Sustainable Crop Production: An Outlook of Arid and Semi-arid Regions. , 2020, , 503-533.		31
24	Alternative and Non-conventional Soil and Crop Management Strategies for Increasing Water Use Efficiency. , 2020, , 323-338.		8
25	Beneficial Effects of Mixing Kentucky Bluegrass With Red Fescue via Plant-Soil Interactions in Black Soil of Northeast China. <i>Frontiers in Microbiology</i> , 2020, 11, 556118.	3.5	7
27	The Critical Role of Zinc in Plants Facing the Drought Stress. <i>Agriculture (Switzerland)</i> , 2020, 10, 396.	3.1	185
28	Foliar application of gibberellic acid endorsed phytoextraction of copper and alleviates oxidative stress in jute (<i>Corchorus capsularis</i> L.) plant grown in highly copper-contaminated soil of China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 37121-37133.	5.3	69
29	Use of crop growth model to simulate the impact of climate change on yield of various wheat cultivars under different agro-environmental conditions in Khyber Pakhtunkhwa, Pakistan. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	27
30	Determining nitrogen isotopes discrimination under drought stress on enzymatic activities, nitrogen isotope abundance and water contents of Kentucky bluegrass. <i>Scientific Reports</i> , 2020, 10, 6415.	3.3	38
31	Mechanisms of Environmental Stress Tolerance in Turfgrass. <i>Agronomy</i> , 2020, 10, 522.	3.0	29
32	Effects of Root Zone Temperature Increase on Physiological Indexes and Photosynthesis of Different Genotype Maize Seedlings. <i>Russian Journal of Plant Physiology</i> , 2021, 68, 169-178.	1.1	7
33	Role of Plant Growth Hormones During Soil Water Deficit: A Review. , 2021, , 489-583.		2
34	Cross-Talk between Phytohormone-Signalling Pathways under Abiotic Stress Conditions. , 2021, , 99-116.		2
35	Plant Growth and Morphophysiological Modifications in Perennial Ryegrass under Environmental Stress. , 0, , .		0
36	A Review on Kentucky Bluegrass Responses and Tolerance to Drought Stress. , 0, , .		2
37	Drought Responses on Physiological Attributes of <i>Zea mays</i> in Relation to Nitrogen and Source-Sink Relationships. , 0, , .		2

#	ARTICLE	IF	CITATIONS
38	Morphophysiological Traits, Biochemical Characteristic and Productivity of Wheat under Water and Nitrogen-Colimitation: Pathways to Improve Water and N Uptake. , 0, , .		0
39	Influence of Water Stress on Growth, Chlorophyll Contents and Solute Accumulation in Three Accessions of <i>Vicia faba</i> L. from Tunisian Arid Region. , 0, , .		2
40	Adapting Cereal Grain Crops to Drought Stress: 2020 and Beyond. , 0, , .		4
41	Abiotic Stress Responses in Plants: Current Knowledge and Future Prospects. , 0, , .		5
42	Effects of Salinity on Seed Germination and Early Seedling Stage. , 0, , .		19
43	Salt Stress in Plants and Amelioration Strategies: A Critical Review. , 0, , .		15
44	Protagonist of Mineral Nutrients in Drought Stress Tolerance of Field Crops. , 0, , .		2
45	QTL Mapping for Abiotic Stresses in Cereals. , 2020, , 229-251.		7
46	Role of Biotechnology in Climate Resilient Agriculture. , 2020, , 339-365.		7
47	Rice Production Under Climate Change: Adaptations and Mitigating Strategies. , 2020, , 659-686.		29
48	Leaf gas exchange, oxidative stress, and physiological attributes of rapeseed (<i>Brassica napus</i> L.) grown under different light-emitting diodes. <i>Photosynthetica</i> , 2020, 58, 836-845.	1.7	44
49	Red light optimized physiological traits and enhanced the growth of ramie (<i>Boehmeria nivea</i> L.). <i>Photosynthetica</i> , 2020, 58, 922-931.	1.7	53
51	Carbon Cycle in Response to Global Warming. , 2020, , 1-15.		9
52	Biochar; a Remedy for Climate Change. , 2020, , 151-171.		13
53	Climate Change and Costal Plant Lives. , 2020, , 93-108.		5
54	Immobilization of cadmium in soil-plant system through soil and foliar applied silicon. <i>International Journal of Phytoremediation</i> , 2022, , 1-12.	3.1	7
55	Land use and land cover (LULC) change analysis using TM, ETM+ and OLI Landsat images in district of Okara, Punjab, Pakistan. <i>Physics and Chemistry of the Earth</i> , 2022, 126, 103117.	2.9	52
56	Plant drought stress tolerance: understanding its physiological, biochemical and molecular mechanisms. <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 1912-1925.	1.3	49

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57	Management of abiotic stresses with nano-black carbon is a tool for crop production. Journal of Plant Nutrition, 2023, 46, 145-166.	1.9	4
58	Forage grass growth under future climate change scenarios affects fermentation and ruminant efficiency. Scientific Reports, 2022, 12, 4454.	3.3	3
59	Selenium- and Silicon-Mediated Recovery of Satureja (<i>Satureja mutica</i> Fisch. & C. A. Mey.) Chemotypes Subjected to Drought Stress Followed by Rewatering. Gesunde Pflanzen, 2022, 74, 737-757.	3.0	2
60	Transcriptome analysis of Kentucky bluegrass subject to drought and ethephon treatment. PLoS ONE, 2021, 16, e0261472.	2.5	7
61	Assessment of cold stress tolerance in maize through quantitative trait locus, genome-wide association study and transcriptome analysis. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2021, 49, 12525.	1.1	3
72	Inorganic Nitrogen Enhances the Drought Tolerance of Evergreen Broad-Leaved Tree Species in the Short-Term, but May Aggravate Their Water Shortage in the Mid-Term. Frontiers in Plant Science, 2022, 13, 875293.	3.6	1
73	Improving Drought Stress Tolerance in Ramie (<i>Boehmeria nivea</i> L.) Using Molecular Techniques. Frontiers in Plant Science, 0, 13, .	3.6	4
74	Transcriptomic Analysis of <i>Fusarium oxysporum</i> Stress-Induced Pathosystem and Screening of Fom-2 Interaction Factors in Contrasted Melon Plants. Frontiers in Plant Science, 0, 13, .	3.6	3
75	Exogenous tryptophan application improves cadmium tolerance and inhibits cadmium upward transport in broccoli (<i>Brassica oleracea</i> var. <i>italica</i>). Frontiers in Plant Science, 0, 13, .	3.6	7
76	Oxidativer Stress und antioxidative Enzymaktivitäten bei Tomatenpflanzen (<i>Solanum lycopersicum</i>), die bei zwei verschiedenen Lichtintensitäten angebaut wurden. Gesunde Pflanzen, 2023, 75, 479-485.	3.0	4
77	Growth-limiting drought stress induces time-of-day-dependent transcriptome and physiological responses in hybrid poplar. AoB PLANTS, 2022, 14, .	2.3	3
78	Role of inorganic bio stimulant elements in plant growth. , 2023, , 229-261.		0
79	Exogenous application of Atonik (sodium nitrophenolate) under skip irrigation regimes modulated the physiology, growth and productivity of <i>Zea mays</i> L. Archives of Agronomy and Soil Science, 0, , 1-15.	2.6	2
81	Exogenous Appliace of Nano-Zeolite and Nano-Silicon Elevate <i>Solidago canadensis</i> Invasive Plant Tolerance to Water Deficiency. Horticulturae, 2023, 9, 172.	2.8	1
82	Silicon (Si): A Regulator Nutrient for Optimum Growth of Wheat Under Salinity and Drought Stresses- A Review. Journal of Plant Growth Regulation, 2023, 42, 5354-5378.	5.1	6
83	Biochar for Mitigation of Heat Stress in Crop Plants. Sustainable Agriculture Reviews, 2023, , 159-187.	1.1	0
84	Biochar Application to Soil for Mitigation of Nutrients Stress in Plants. Sustainable Agriculture Reviews, 2023, , 189-216.	1.1	0
85	Biochar for Improving Crop Productivity and Soil Fertility. Sustainable Agriculture Reviews, 2023, , 75-98.	1.1	0

#	ARTICLE	IF	CITATIONS
86	Biochar Application for Improving the Yield and Quality of Crops Under Climate Change. Sustainable Agriculture Reviews, 2023, , 3-55.	1.1	0
87	Irrigation Scheduling Under Crop Water Requirements: Simulation and Field Learning. , 2023, , 261-279.		0
88	Sustainable Development Goals, Deep Tech, and the Path Forward. , 2023, , 241-300.		0
89	Diversity of individuals' methylation patterns to different moisture regimes in Einkorn wheat revealed by CRED-RA technique. Genetic Resources and Crop Evolution, 0, , .	1.6	0
91	Genetic variation and response to selection of photosynthetic and forage characteristics in Kentucky bluegrass (<i>Poa pratensis</i> L.) ecotypes under drought conditions. Frontiers in Plant Science, 0, 14, .	3.6	0
92	Humic and fulvic acid influence the morphophysiological and biochemical properties of cowpea (<i>Vigna unguiculata</i>) under water deficit. Crop and Pasture Science, 2023, , .	1.5	0
93	Assessment of future prediction of urban growth and climate change in district Multan, Pakistan using CA-Markov method. Urban Climate, 2024, 53, 101766.	5.7	5