

Research progress on plant tolerance to soil salinity and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The leaf-air temperature difference reflects the variation in water status and photosynthesis of sorghum under waterlogged conditions. PLoS ONE, 2019, 14, e0219209.	1.1	35
2	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
3	Different Sources of Silicon by Foliar Spraying on the Growth and Gas Exchange in Sorghum. <i>Journal of Soil Science and Plant Nutrition</i> , 2019, 19, 948-953.	1.7	35
4	Effect of exogenous application of salicylic acid on salt-stressed sorghum growth and nutrient contents. <i>Journal of Plant Nutrition</i> , 2019, 42, 1333-1349.	0.9	17
5	Combined effects of salinity and temperature on germination, growth and gas exchange in two cultivars of <i>Sorghum bicolor</i> . <i>Journal of Taibah University for Science</i> , 2020, 14, 812-822.	1.1	4
6	Silicon Increases Leaf Chlorophyll Content and Iron Nutritional Efficiency and Reduces Iron Deficiency in Sorghum Plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1311-1320.	1.7	37
7	Arbuscular mycorrhizal fungi can ameliorate salt stress in <i>Elaeagnus angustifolia</i> by improving leaf photosynthetic function and ultrastructure. <i>Plant Biology</i> , 2021, 23, 232-241.	1.8	18
8	Effect of Pollution on Physical and Chemical Properties of Soil. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2021, , 1-37.	0.3	0
9	Fertilizing effect of human urine and ammonium nitrate as sources of nitrogen for sorghum [<i>Sorghum bicolor</i> (L.) Moench] under saline conditions. <i>Journal of Plant Nutrition</i> , 2021, 44, 1957-1970.	0.9	0
10	Influence of Peanut, Sorghum, and Soil Salinity on Microbial Community Composition in Interspecific Interaction Zone. <i>Frontiers in Microbiology</i> , 2021, 12, 678250.	1.5	30
11	Cherry tomato production and seed vigor under irrigation with saline effluent from fish farming. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2021, 25, 380-385.	0.4	3
12	Phosphorus doses alter the ionic homeostasis of cowpea irrigated with saline water. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2021, 25, 372-379.	0.4	4
13	Effects of tea polyphenols on the activities of antioxidant enzymes and the expression of related gene in the leaves of wheat seedlings under salt stress. <i>Environmental Science and Pollution Research</i> , 2021, 28, 65447-65461.	2.7	7
14	Sorghum under saline conditions: responses, tolerance mechanisms, and management strategies. <i>Planta</i> , 2021, 254, 24.	1.6	24
15	The transcriptome of saline-alkaline resistant industrial hemp (<i>Cannabis sativa</i> L.) exposed to NaHCO ₃ stress. <i>Industrial Crops and Products</i> , 2021, 170, 113766.	2.5	8
16	Genome-wide association among soybean accessions for the genetic basis of salinity-alkalinity tolerance during germination. <i>Crop and Pasture Science</i> , 2021, 72, 255.	0.7	5
17	Response of oat morphologies, root exudates, and rhizosphere fungal communities to amendments in a saline-alkaline environment. PLoS ONE, 2020, 15, e0243301.	1.1	5
18	Improving abiotic stress tolerance in sorghum: focus on the nutrient transporters and marker-assisted breeding. <i>Planta</i> , 2021, 254, 90.	1.6	9

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19	Progress and challenges in sorghum biotechnology, a multipurpose feedstock for the bioeconomy. <i>Journal of Experimental Botany</i> , 2022, 73, 646-664.	2.4	21
20	Seed Priming: Implication in Agriculture to Manage Salinity Stress in Crops. , 2020, , 269-280.		1
21	The Appropriate Source of Nitrogen for Italian Zucchini Under Salt Stress Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 560-570.	1.7	4
22	Plant Tolerance Mechanisms to Soil Salinity Contribute to the Expansion of Agriculture and Livestock Production in Argentina. , 2021, , 381-397.		2
23	Interactive impacts of soil salinity and jasmonic acid and humic acid on growth parameters, forage yield and photosynthesis parameters of sorghum plants. <i>South African Journal of Botany</i> , 2022, 146, 293-303.	1.2	18
24	Deciphering Reserve Mobilization, Antioxidant Potential, and Expression Analysis of Starch Synthesis in Sorghum Seedlings under Salt Stress. <i>Plants</i> , 2021, 10, 2463.	1.6	16
25	The yield increase and land improvement effects of different sorghum/wild soybean intercropping patterns on reclaimed coastal salt pans. <i>Journal of Soils and Sediments</i> , 2022, 22, 731-744.	1.5	5
26	Effect of species diversity levels and microbial consortium on biomass production, net economic gain, and fertility of marginal land. <i>Land Degradation and Development</i> , 2022, 33, 2960-2971.	1.8	6
27	Sorghum breeding in Ethiopia: Progress, achievements and challenges. <i>International Journal of Agricultural Science and Food Technology</i> , 2022, 8, 045-051.	0.2	1
28	Effect of short-term combined alkaline stress on antioxidant metabolism, photosynthesis, and leaf-air temperature difference in sorghum. <i>Photosynthetica</i> , 2022, 60, 200-211.	0.9	2
29	Vulnerability and Resilience of Sorghum to Changing Climatic Conditions: Lessons from the Past and Hope for the Future. <i>Advances in Science, Technology and Innovation</i> , 2022, , 169-181.	0.2	2
30	Exploring the correlation between salt tolerance and yield: research advances and perspectives for salt-tolerant forage sorghum selection and genetic improvement. <i>Planta</i> , 2022, 255, 71.	1.6	12
31	Carbon footprint analysis of sweet sorghum-based bioethanol production in the potential saline - Alkali land of northwest China. <i>Journal of Cleaner Production</i> , 2022, 349, 131476.	4.6	10
32	O uso da irrigaÃ§Ã£o com Ãgua salina pode reduzir o dÃficit de forragem no SemiÃrido brasileiro?. <i>Research, Society and Development</i> , 2022, 11, e45611528357.	0.0	0
33	Identification and analysis of proline-rich proteins and hybrid proline-rich proteins super family genes from <i>Sorghum bicolor</i> and their expression patterns to abiotic stress and zinc stimuli. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	3
34	Peanut/sorghum intercropping drives specific variation in peanut rhizosphere soil properties and microbiomes under salt stress. <i>Land Degradation and Development</i> , 2023, 34, 736-750.	1.8	4
36	Protective Effects of Sodium Nitroprusside on Photosynthetic Performance of <i>Sorghum bicolor</i> L. under Salt Stress. <i>Plants</i> , 2023, 12, 832.	1.6	6
37	Soil metagenome and metabolome of peanut intercropped with sorghum reveal a prominent role of carbohydrate metabolism in salt-stress response. <i>Environmental and Experimental Botany</i> , 2023, 209, 105274.	2.0	4

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38	Structure and genetic regulation of starch formation in sorghum (<i>Sorghum bicolor</i> (L.) Moench) endosperm: A review. <i>International Journal of Biological Macromolecules</i> , 2023, 239, 124315.	3.6	4
39	Ethylene-responsive <i>SbWRKY50</i> suppresses leaf senescence by inhibition of chlorophyll degradation in sorghum. <i>New Phytologist</i> , 2023, 238, 1129-1145.	3.5	10
40	Food system actor perspectives on future-proofing European food systems through plant breeding. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
41	Evaluation of starch properties for selecting sorghum planted under environmental stress with superior noodle-making properties. <i>Starch/Staerke</i> , 0, , .	1.1	0
42	Silicon Supplementation as an Ameliorant of Stresses in Sorghum. <i>Silicon</i> , 0, , .	1.8	0
43	Role of polyamines in regulating physiological and molecular responses of plants under abiotic stress. , 2023, , 263-287.		0
46	Salicylic Acid Decreases Salt Stress Damage on Photosynthetic Processes and Increases Essential Oil Content in Basil "Cinnamon"™. <i>Journal of Soil Science and Plant Nutrition</i> , 2023, 23, 4318-4327.	1.7	2
55	Sorghum: a Star Crop to Combat Abiotic Stresses, Food Insecurity, and Hunger Under a Changing Climate: a Review. <i>Journal of Soil Science and Plant Nutrition</i> , 2024, 24, 74-101.	1.7	1