Effects of alkali stress on growth, free amino acids and c Kentucky bluegrass (Poa pratensis)

Ecotoxicology

21, 1911-1918

DOI: 10.1007/s10646-012-0924-1

Citation Report

#	Article	IF	Citations
1	Effects of exogenous thiocyanate on mineral nutrients, antioxidative responses and free amino acids in rice seedlings. Ecotoxicology, 2013, 22, 752-760.	2.4	30
2	Comparative effects of NaCl and NaHCO3 stress on photosynthetic parameters, nutrient metabolism, and the antioxidant system in tomato leaves. Scientia Horticulturae, 2013, 157, 1-12.	3.6	148
3	Effect of sodium carbonate-induced salinityâ€“alkalinity on some key osmoprotectants, protein profile, antioxidant enzymes, and lipid peroxidation in two mulberry (Morus alba L.) cultivars. Journal of Plant Interactions, 2014, 9, 460-467.	2.1	77
4	Responses of free amino acids in rice seedlings during cyanide metabolism. Environmental Science and Pollution Research, 2014, 21, 1411-1417.	5.3	6
5	Akaline, saline and mixed salineâ€“alkaline stresses induce physiological and morphoâ€anatomical changes in <scp>L</scp>otus tenuis shoots. Plant Biology, 2014, 16, 1042-1049.	3.8	33
6	Overexpression of Sâ€adenosylâ€<scp>l</scp>â€methionine synthetase increased tomato tolerance to alkali stress through polyamine metabolism. Plant Biotechnology Journal, 2014, 12, 694-708.	8.3	116
7	Coupling effects of water availability and pH on switchgrass and the optimization of these variables for switchgrass productivity determined by response surface methodology. Biomass and Bioenergy, 2015, 83, 393-402.	5.7	7
8	Genotypic differences in the antioxidant and carbonâ€“nitrogen metabolism of acid-tolerant and acid-sensitive rice (Oryzasativa L.) cultivars under acid stress. Soil Science and Plant Nutrition, 2015, 61, 808-820.	1.9	0
9	Metabolomic Analysis Revealed Differential Adaptation to Salinity and Alkalinity Stress in Kentucky Bluegrass (Poa pratensis). Plant Molecular Biology Reporter, 2015, 33, 56-68.	1.8	48
10	Investigation of Growth, Free Amino Acids, and Carbohydrate Concentration in the Roots of Perennial Ryegrass in Response to Soil Salinity at Subsurface Soil Depths. Journal of the American Society for Horticultural Science, 2016, 141, 539-547.	1.0	2
11	Effect of organochlorine pesticides exposure on the maize root metabolome assessed using high-resolution magic-angle spinning 1H NMR spectroscopy. Environmental Pollution, 2016, 214, 539-548.	7.5	34
12	Global proteomic mapping of alkali stress regulated molecular networks in Helianthus tuberosus L.. Plant and Soil, 2016, 409, 175-202.	3.7	23
13	In vitro organogenesis of Cedrela fissilis Vell. (Meliaceae): the involvement of endogenous polyamines and carbohydrates on shoot development. Plant Cell, Tissue and Organ Culture, 2016, 124, 611-620.	2.3	23
14	Stress memory induced transcriptional and metabolic changes of perennial ryegrass (Lolium) Tj ETQq1 1 0.784314 rgBT /Overlock	5.2	44
15	Interactive effects of salt and alkali stresses on growth, physiological responses and nutrient (N, P) removal performance of Ruppia maritima. Ecological Engineering, 2017, 104, 177-183.	3.6	24
16	Effects of 5â€aminolevulinic acid on water uptake, ionic toxicity, and antioxidant capacity of Swiss chard (Beta vulgaris L.) under sodicâ€alkaline conditions. Journal of Plant Nutrition and Soil Science, 2017, 180, 535-543.	1.9	13
17	GsSLAH3, a Glycine soja slow type anion channel homolog, positively modulates plant bicarbonate stress tolerance. Physiologia Plantarum, 2018, 164, 145-162.	5.2	12
18	Evaluation of cultivated and wild genotypes of Lens species under alkalinity stress and their molecular collocation using microsatellite markers. PLoS ONE, 2018, 13, e0199933.	2.5	10

#	Article	IF	Citations
19	<b>Determination of endogenous IAA and carbohydrates during the induction and development of protocorm-like bodies of <i>Cattleya tigrina</i> A. Richard. Acta Scientiarum - Biological Sciences, 2018, 40, 37874.	0.3	4
20	Differential physiological and metabolic response to low temperature in two zoysiagrass genotypes native to high and low latitude. PLoS ONE, 2018, 13, e0198885.	2.5	55
21	Nontargeted metabolomic analysis to unravel the impact of di (2-ethylhexyl) phthalate stress on root exudates of alfalfa (Medicago sativa). Science of the Total Environment, 2019, 646, 212-219.	8.0	78
22	Effects of NaHCO3 Acclimation on Rye (Secale Cereale) Growth Under Sodic-Alkaline Stress. Plants, 2019, 8, 314.	3.5	8
23	Identification of alkali-responsive proteins from early seedling stage of two contrasting Medicago species by iTRAQ-based quantitative proteomic analysis. Environmental and Experimental Botany, 2019, 157, 26-34.	4.2	11
24	Comprehensive multiomics analysis reveals key roles of NACs in plant growth and development and its environmental adaption mechanism by regulating metabolite pathways. Genomics, 2020, 112, 4897-4911.	2.9	6
25	The Roles of Plant Growth Promoting Microbes in Enhancing Plant Tolerance to Acidity and Alkalinity Stresses. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	119
26	Application of an Endophyte Enterobacter sp. TMX13 to Reduce Thiamethoxam Residues and Stress in Chinese Cabbage (Brassica chinensis L). Journal of Agricultural and Food Chemistry, 2020, 68, 9180-9187.	5.2	8
27	Growth, ionic homeostasis, and physiological responses of cotton under different salt and alkali stresses. Scientific Reports, 2020, 10, 21844.	3.3	44
28	Enantioselective effects of imazethapyr on Arabidopsis thaliana root exudates and rhizosphere microbes. Science of the Total Environment, 2020, 716, 137121.	8.0	37
29	Adaptability of winter wheat Dongnongdongmai 1 (Triticum aestivum L.) to overwintering in alpine regions. Plant Biology, 2021, 23, 445-455.	3.8	14
30	Physiological and metabolomic responses of bermudagrass (<scp>Cynodon dactylon</scp>) to alkali stress. Physiologia Plantarum, 2021, 171, 22-33.	5.2	29
31	Proteomic Responses to Alkali Stress in Oats and the Alleviatory Effects of Exogenous Spermine Application. Frontiers in Plant Science, 2021, 12, 627129.	3.6	7
32	The Efficacy of Grafting on Alkali Stressed Watermelon Cultivars Under Hydroponic Conditions. Gesunde Pflanzen, 2021, 73, 345-357.	3.0	2
33	Exogenous spermidine enhances EpichloÃ« endophyte-induced tolerance to NaCl stress in wild barley (Hordeum brevisubulatum). Plant and Soil, 2021, 468, 77-95.	3.7	6
34	Melatonin enhances metallic oxide nanoparticle stress tolerance in rice via inducing tetrapyrrole biosynthesis and amino acid metabolism. Environmental Science: Nano, 2021, 8, 2310-2323.	4.3	8
35	Application of Genetic Algorithm to Predict Optimal Sowing Region and Timing for Kentucky Bluegrass in China. PLoS ONE, 2015, 10, e0131489.	2.5	2
36	Comparative Effects of Salt and Alkali Stress on Antioxidant System in Cotton (Gossypium Hirsutum L.) Leaves. Open Chemistry, 2019, 17, 1352-1360.	1.9	24

#	Article	IF	Citations
37	Calcareousness on the Seed Germination and Seedling Growth of Hybrid Maize Genotypesâ€”an In Vitro Study. Journal of Soil Science and Plant Nutrition, 2022, 22, 87-98.	3.4	0
38	Inoculation with Arbuscular Mycorrhizal Fungi Reinforces Tea Plantâ€™s Tolerance to Salinity. Journal of Plant Growth Regulation, 2022, 41, 3498-3517.	5.1	5
39	Plant rhizosphere defense system respond differently to emerging polyfluoroalkyl substances F-53B and PFOS stress. Journal of Hazardous Materials, 2023, 443, 130119.	12.4	1
40	Effect of Burkholderia ambifaria LK-P4 inoculation on the plant growth characteristics, metabolism, and pharmacological activity of Anoectochilus roxburghii. Frontiers in Plant Science, 0, 13, .	3.6	0
41	Tolerant plant growth improves the conversion of bauxite residue to soil-like substrates by altering aggregate stability. Plant and Soil, 2023, 486, 273-292.	3.7	3
42	Effect of L-cysteine treatment to induce postharvest disease resistance of Monilinia fructicola in plum fruits and the possible mechanisms involved. Pesticide Biochemistry and Physiology, 2023, 191, 105367.	3.6	6
43	Root Metabolism and Effects of Root Exudates on the Growth of Ralstonia solanacearum and Fusarium moniliforme Were Significantly Different between the Two Genotypes of Peanuts. Genes, 2023, 14, 528.	2.4	3
44	Chitosan-Magnesium Oxide Nanoparticles Improve Salinity Tolerance in Rice (Oryza sativa L.). ACS Applied Materials & Interfaces, 2023, 15, 20649-20660.	8.0	5
45	Effects of Sodium Bicarbonate Stress on Seed Germination and Seedling Growth of Mustard (Brassica) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	0
46	Metagenomic insights into the response of rhizosphere microbial to precipitation changes in the alpine grasslands of northern Tibet. Science of the Total Environment, 2023, 892, 164212.	8.0	0
47	Changes in Chinese fir plantations root exudation strategies seasonally and as tree age. Forest Ecology and Management, 2023, 545, 121239.	3.2	3
49	Physiological and Proteomic Changes in Camellia semiserrata in Response to Aluminum Stress. Genes, 2024, 15, 55.	2.4	0
50	Insights into the effect of manganese-based nanomaterials on the distribution trait and nutrition of radish (Raphanus sativus L.). Plant Physiology and Biochemistry, 2024, 207, 108428.	5.8	0