Anisur Rahman

List of Publications by Year
in descending order

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20 papers	2,316 citations	471509 17 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	2269 citing authors

#	Article	IF	Citations
1	Polyamine and nitric oxide crosstalk: Antagonistic effects on cadmium toxicity in mung bean plants through upregulating the metal detoxification, antioxidant defense and methylglyoxal detoxification systems. Ecotoxicology and Environmental Safety, 2016, 126, 245-255.	6.0	292
2	Hydrogen sulfide modulates cadmium-induced physiological and biochemical responses to alleviate cadmium toxicity in rice. Scientific Reports, 2015, 5, 14078.	3.3	243
3	Exogenous Proline and Glycine Betaine Mediated Upregulation of Antioxidant Defense and Glyoxalase Systems Provides Better Protection against Salt-Induced Oxidative Stress in Two Rice (<i>Oryza) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	234
4	Coordinated Actions of Glyoxalase and Antioxidant Defense Systems in Conferring Abiotic Stress Tolerance in Plants. International Journal of Molecular Sciences, 2017, 18, 200.	4.1	199
5	Calcium Supplementation Improves Na+/K+ Ratio, Antioxidant Defense and Glyoxalase Systems in Salt-Stressed Rice Seedlings. Frontiers in Plant Science, 2016, 7, 609.	3.6	171
6	Polyamines Confer Salt Tolerance in Mung Bean (Vigna radiata L.) by Reducing Sodium Uptake, Improving Nutrient Homeostasis, Antioxidant Defense, and Methylglyoxal Detoxification Systems. Frontiers in Plant Science, 2016, 7, 1104.	3.6	155
7	Manganese-induced salt stress tolerance in rice seedlings: regulation of ion homeostasis, antioxidant defense and glyoxalase systems. Physiology and Molecular Biology of Plants, 2016, 22, 291-306.	3.1	112
8	Exogenous glutathione attenuates lead-induced oxidative stress in wheat by improving antioxidant defense and physiological mechanisms. Journal of Plant Interactions, 2018, 13, 203-212.	2.1	109
9	Physiological and biochemical mechanisms of spermine-induced cadmium stress tolerance in mung bean (Vigna radiata L.) seedlings. Environmental Science and Pollution Research, 2016, 23, 21206-21218.	5.3	100
10	Insights into spermine-induced combined high temperature and drought tolerance in mung bean: osmoregulation and roles of antioxidant and glyoxalase system. Protoplasma, 2017, 254, 445-460.	2.1	98
11	Î³-aminobutyric acid (GABA) confers chromium stress tolerance in Brassica juncea L. by modulating the antioxidant defense and glyoxalase systems. Ecotoxicology, 2017, 26, 675-690.	2.4	92
12	Calcium Mitigates Arsenic Toxicity in Rice Seedlings by Reducing Arsenic Uptake and Modulating the Antioxidant Defense and Glyoxalase Systems and Stress Markers. BioMed Research International, 2015, 2015, 1-12.	1.9	84
13	Exogenous calcium alleviates cadmium-induced oxidative stress in rice (Oryza sativa L.) seedlings by regulating the antioxidant defense and glyoxalase systems. Revista Brasileira De Botanica, 2016, 39, 393-407.	1.3	83
14	Oxidative Damage and Antioxidant Defense in Sesamum indicum after Different Waterlogging Durations. Plants, 2019, 8, 196.	3.5	83
15	Maleic acid assisted improvement of metal chelation and antioxidant metabolism confers chromium tolerance in Brassica juncea L.. Ecotoxicology and Environmental Safety, 2017, 144, 216-226.	6.0	77
16	Manganese-induced cadmium stress tolerance in rice seedlings: Coordinated action of antioxidant defense, glyoxalase system and nutrient homeostasis. Comptes Rendus - Biologies, 2016, 339, 462-474.	0.2	69
17	Exogenous nitric oxide donor and arginine provide protection againstÂshort-term drought stress in wheat seedlings. Physiology and Molecular Biology of Plants, 2018, 24, 993-1004.	3.1	69
18	Approaches to Enhance Salt Stress Tolerance in Wheat. , 0, , .		27

#	Article	IF	Citations
19	Actions of Biological Trace Elements in Plant Abiotic Stress Tolerance. , 2017, , 213-274.		17
20	Morphophysiological changes and reactive oxygen species metabolism in Corchorus olitorius L. under different abiotic stresses. Open Agriculture, 2021, 6, 549-562.	1.7	2