

Md Mezanur Rahman

List of Publications by Year in descending order

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31
papers

958
citations

567247

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32
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Salicylic Acid-Mediated Enhancement of Photosynthesis Attributes and Antioxidant Capacity Contributes to Yield Improvement of Maize Plants Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1318-1330.	5.1	98
2	Extracts from Yeast and Carrot Roots Enhance Maize Performance under Seawater-Induced Salt Stress by Altering Physio-Biochemical Characteristics of Stressed Plants. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 966-979.	5.1	90
3	Silicon in mitigation of abiotic stress-induced oxidative damage in plants. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 918-934.	9.0	76
4	Adaptive Mechanisms of Halophytes and Their Potential in Improving Salinity Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10733.	4.1	75
5	Acetic acid: a cost-effective agent for mitigation of seawater-induced salt toxicity in mung bean. <i>Scientific Reports</i> , 2019, 9, 15186.	3.3	67
6	Interactive Effects of Salicylic Acid and Nitric Oxide in Enhancing Rice Tolerance to Cadmium Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5798.	4.1	63
7	Salicylic acid antagonizes selenium phytotoxicity in rice: selenium homeostasis, oxidative stress metabolism and methylglyoxal detoxification. <i>Journal of Hazardous Materials</i> , 2020, 394, 122572.	12.4	59
8	Mechanistic Insight into Salt Tolerance of <i>Acacia auriculiformis</i> : The Importance of Ion Selectivity, Osmoprotection, Tissue Tolerance, and Na ⁺ Exclusion. <i>Frontiers in Plant Science</i> , 2017, 08, 155.	3.6	49
9	Overexpression of GmNAC085 enhances drought tolerance in <i>Arabidopsis</i> by regulating glutathione biosynthesis, redox balance and glutathione-dependent detoxification of reactive oxygen species and methylglyoxal. <i>Environmental and Experimental Botany</i> , 2019, 161, 242-254.	4.2	47
10	Melatonin alleviates drought impact on growth and essential oil yield of lemon verbena by enhancing antioxidant responses, mineral balance, and abscisic acid content. <i>Physiologia Plantarum</i> , 2021, 172, 1363-1375.	5.2	43
11	Acetic acid improves drought acclimation in soybean: an integrative response of photosynthesis, osmoregulation, mineral uptake and antioxidant defense. <i>Physiologia Plantarum</i> , 2021, 172, 334-350.	5.2	41
12	Strigolactones regulate arsenate uptake, vacuolar-sequestration and antioxidant defense responses to resist arsenic toxicity in rice roots. <i>Journal of Hazardous Materials</i> , 2021, 415, 125589.	12.4	32
13	Insight into salt tolerance mechanisms of the halophyte <i>Achras sapota</i> : an important fruit tree for agriculture in coastal areas. <i>Protoplasma</i> , 2019, 256, 181-191.	2.1	31
14	Silicon-mediated heat tolerance in higher plants: A mechanistic outlook. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 341-347.	5.8	24
15	Ethanol Treatment Enhances Physiological and Biochemical Responses to Mitigate Saline Toxicity in Soybean. <i>Plants</i> , 2022, 11, 272.	3.5	22
16	Morpho-physiological response of <i>Acacia auriculiformis</i> as influenced by seawater induced salinity stress. <i>Forest Systems</i> , 2016, 25, e071.	0.3	15
17	Cytokinin and gibberellic acid-mediated waterlogging tolerance of mungbean (<i>Vigna radiata</i> L.) Tj ETQq1 1 0,784314 rgBT /Over	2.0	15
18	Glutathione improves rice tolerance to submergence: insights into its physiological and biochemical mechanisms. <i>Journal of Biotechnology</i> , 2021, 325, 109-118.	3.8	14

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19	Antioxidants and Bioactive Compounds in Licorice Root Extract Potentially Contribute to Improving Growth, Bulb Quality and Yield of Onion (<i>Allium cepa</i>). <i>Molecules</i> , 2021, 26, 2633.	3.8	14
20	Strigolactones Modulate Cellular Antioxidant Defense Mechanisms to Mitigate Arsenate Toxicity in Rice Shoots. <i>Antioxidants</i> , 2021, 10, 1815.	5.1	13
21	Ethanol Positively Modulates Photosynthetic Traits, Antioxidant Defense and Osmoprotectant Levels to Enhance Drought Acclimatization in Soybean. <i>Antioxidants</i> , 2022, 11, 516.	5.1	12
22	Scaling up of jujube-based agroforestry practice and management innovations for improving efficiency and profitability of land uses in Bangladesh. <i>Agroforestry Systems</i> , 2022, 96, 249-263.	2.0	9
23	Malta-based agroforestry system: an emerging option for improving productivity, profitability and land use efficiency. <i>Environmental Sustainability</i> , 2020, 3, 521-532.	2.8	8
24	Correlation and path coefficient analysis of Blackgram (<i>Vigna mungo</i> L.). <i>Journal of Bioscience and Agriculture Research</i> , 0, , 621-629.	0.2	8
25	Productivity and Profitability of Jackfruit-Eggplant Agroforestry System in the Terrace Ecosystem of Bangladesh. <i>Turkish Journal of Agriculture: Food Science and Technology</i> , 2018, 6, 124.	0.3	7
26	Morpho-physiological Response of <i>Gliricidia sepium</i> to Seawater-induced Salt Stress. <i>The Agriculturists</i> , 2020, 17, 66-75.	0.3	5
27	Effect of management practices on the growth and yield of lime and lemon. <i>International Journal of Biosciences</i> , 2016, 8, 22-33.	0.1	5
28	Acclimation of liverwort <i>Marchantia polymorpha</i> to physiological drought reveals important roles of antioxidant enzymes, proline and abscisic acid in land plant adaptation to osmotic stress. <i>PeerJ</i> , 2021, 9, e12419.	2.0	4
29	Performance of Spices as Lower-Storey Crop in Jackfruit-Papaya Multistorey Agroforestry System in Bangladesh. <i>Journal of the Faculty of Agriculture, Kyushu University</i> , 2020, 65, 223-231.	0.2	3
30	Growth, Yield and Nutrient Uptake Capacity of Rice under Different Sulphur Levels. <i>Turkish Journal of Agriculture: Food Science and Technology</i> , 2016, 4, 557.	0.3	2
31	Genetic study and selection of soybean lines for higher yield. <i>International Journal of Biosciences</i> , 2016, 8, 209-217.	0.1	2