

Mohammad Anwar Hossain

List of Publications by Year in descending order

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67
papers

4,883
citations

279798

23
h-index

377865

34
g-index

76
all docs

76
docs citations

76
times ranked

4713
citing authors

#	ARTICLE	IF	CITATIONS
1	Breeding Potential of Some Exotic Tomato Lines: A Combined Study of Morphological Variability, Genetic Divergence, and Association of Traits. <i>Phyton</i> , 2022, 91, 97-114.	0.7	8
2	Exogenous putrescine attenuates the negative impact of drought stress by modulating physio-biochemical traits and gene expression in sugar beet (<i>Beta vulgaris</i> L.). <i>PLoS ONE</i> , 2022, 17, e0262099.	2.5	24
3	Evaluation of rice (<i>Oryza sativa</i> L.) genotypes grown under combined salinity and submergence stresses based on vegetative stage phenotyping. <i>Acta Biologica Szegediensis</i> , 2022, 2, 145-162.	0.3	0
4	Screening of Salt-Tolerant Rice Landraces by Seedling Stage Phenotyping and Dissecting Biochemical Determinants of Tolerance Mechanism. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1853-1868.	5.1	56
5	Phenotypic and Molecular Assessment of Wheat Genotypes Tolerant to Leaf Blight, Rust and Blast Diseases. <i>Phyton</i> , 2021, 90, 1301-1320.	0.7	3
6	Laboratory-and Field-Phenotyping for Drought Stress Tolerance and Diversity Study in Lentil (<i>Lens</i>)	0.7	5
7	Combining ability and heterosis analyses for oil and healthy fatty acid composition in groundnut (<i>Arachis hypogaea</i> L.). <i>Plant Science Today</i> , 2021, 8, .	0.7	0
8	Salinity Stress in Wheat (<i>Triticum aestivum</i> L.) in the Changing Climate: Adaptation and Management Strategies. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	117
9	Arsenic Accumulation in Rice Grain as Influenced by Water Management: Human Health Risk Assessment. <i>Agronomy</i> , 2021, 11, 1741.	3.0	9
10	Legumes under Drought Stress: Plant Responses, Adaptive Mechanisms, and Management Strategies in Relation to Nitrogen Fixation. , 2021, , 179-207.		13
11	Mineralization of Farm Manures and Slurries under Aerobic and Anaerobic Conditions for Subsequent Release of Phosphorus and Sulphur in Soil. <i>Sustainability</i> , 2021, 13, 8605.	3.2	10
12	Leaf Proteome Response to Drought Stress and Antioxidant Potential in Tomato (<i>Solanum</i>)	2.3	18
13	Lime and Organic Manure Amendment Enhances Crop Productivity of Wheat-Mungbean T. Aman Cropping Pattern in Acidic Piedmont Soils. <i>Agronomy</i> , 2021, 11, 1595.	3.0	14
14	Lime and Organic Manure Amendment: A Potential Approach for Sustaining Crop Productivity of the T. Aman-Maize-Fallow Cropping Pattern in Acidic Piedmont Soils. <i>Sustainability</i> , 2021, 13, 9808.	3.2	6
15	Mineralization of Farm Manures and Slurries for Successive Release of Carbon and Nitrogen in Incubated Soils Varying in Moisture Status under Controlled Laboratory Conditions. <i>Agriculture (Switzerland)</i> , 2021, 11, 846.	3.1	10
16	Morphological variability and genetic diversity of Aman rice germplasm of Bangladesh cultivated in Mymensingh region. <i>Plant Science Today</i> , 2021, 8, .	0.7	1
17	Exogenous Glutathione-Mediated Drought Stress Tolerance in Rice (<i>Oryza sativa</i> L.) is Associated with Lower Oxidative Damage and Favorable Ionic Homeostasis. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2020, 44, 955-971.	1.5	39
18	Salicylic Acid-Mediated Salt Stress Tolerance in Plants. , 2020, , 1-38.		5

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19	The Effect of Exposure to a Combination of Stressors on Rice Productivity and Grain Yields. , 2020, , 675-727.		0
20	Genome-wide identification and characterization of the metal tolerance protein (MTP) family in grape (<i>Vitis vinifera</i> L.). 3 Biotech, 2019, 9, 199.	2.2	28
21	The Glyoxalase System: A Possible Target for Production of Salinity-Tolerant Crop Plants. , 2018, , 257-281.		4
22	Heat or cold priming-induced cross-tolerance to abiotic stresses in plants: key regulators and possible mechanisms. Protoplasma, 2018, 255, 399-412.	2.1	141
23	Phenotypical, physiological and biochemical analyses provide insight into selenium-induced phytotoxicity in rice plants. Chemosphere, 2017, 178, 212-223.	8.2	116
24	Exogenous Glutathione Modulates Salinity Tolerance of Soybean [<i>Glycine max</i> (L.) Merrill] at Reproductive Stage. Journal of Plant Growth Regulation, 2017, 36, 877-888.	5.1	69
25	Glycinebetaine-Mediated Abiotic Oxidative-Stress Tolerance in Plants: Physiological and Biochemical Mechanisms. , 2017, , 111-133.		24
26	Glutathione in Plant Growth, Development, and Stress Tolerance. , 2017, , .		22
27	Transgenic Plants Over-expressing Glutathione Biosynthetic Genes and Abiotic Stress Tolerance. , 2017, , 397-412.		2
28	Exogenous Glutathione-Mediated Abiotic Stress Tolerance in Plants. , 2017, , 171-194.		9
29	Genetic Strategies for Advancing Phytoremediation Potential in Plants. , 2016, , 431-454.		11
30	Methylglyoxal: An Emerging Signaling Molecule in Plant Abiotic Stress Responses and Tolerance. Frontiers in Plant Science, 2016, 7, 1341.	3.6	185
31	Transgenic Approaches for Abiotic Stress Tolerance in Crop Plants. , 2016, , 345-396.		21
32	Drought Stress Tolerance in Plants, Vol 1. , 2016, , .		23
33	Transgenic Plants for Higher Antioxidant Content and Drought Stress Tolerance. , 2016, , 473-511.		1
34	Drought Stress Tolerance in Plants, Vol 2. , 2016, , .		28
35	Heavy Metal Stress. , 2016, , 557-583.		18
36	Genetic Variability and Traits Association Analysis of Tomato (<i>Lycopersicon esculentum</i> L.) Genotypes for Yield and Quality Attributes. Universal Journal of Plant Science, 2016, 4, 23-34.	0.3	3

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37	Morphological Characterization of Deepwater Rice Genotypes. Agriculture and Food Sciences Research, 2016, 3, 59-65.	0.1	0
38	Molecular Breeding for Salt Stress Tolerance in Plants. , 2015, , 306-333.		11
39	Jacks of metal/metalloid chelation trade in plants—An overview. Frontiers in Plant Science, 2015, 6, 192.	3.6	148
40	Hydrogen peroxide priming modulates abiotic oxidative stress tolerance: insights from ROS detoxification and scavenging. Frontiers in Plant Science, 2015, 6, 420.	3.6	552
41	Physiological and biochemical mechanisms associated with trehalose-induced copper-stress tolerance in rice. Scientific Reports, 2015, 5, 11433.	3.3	141
42	Trehalose pretreatment induces salt tolerance in rice (<i>Oryza sativa</i> L.) seedlings: oxidative damage and co-induction of antioxidant defense and glyoxalase systems. Protoplasma, 2015, 252, 461-475.	2.1	134
43	Plant—Microbe Interaction and Salt Stress Tolerance in Plants. , 2015, , 282-305.		4
44	Proline Protects Plants Against Abiotic Oxidative Stress. , 2014, , 477-522.		89
45	Heat-shock positively modulates oxidative protection of salt and drought-stressed mustard (<i>Brassica</i>) Tj ETQq1 1 0,784314 rgBT /Ove	1.2	83
46	Molecular Mechanism of Heavy Metal Toxicity and Tolerance in Plants: Central Role of Glutathione in Detoxification of Reactive Oxygen Species and Methylglyoxal and in Heavy Metal Chelation. Journal of Botany, 2012, 2012, 1-37.	1.2	560
47	Plant Response and Tolerance to Abiotic Oxidative Stress: Antioxidant Defense Is a Key Factor. , 2012, , 261-315.		378
48	Exogenous Selenium Pretreatment Protects Rapeseed Seedlings from Cadmium-Induced Oxidative Stress by Upregulating Antioxidant Defense and Methylglyoxal Detoxification Systems. Biological Trace Element Research, 2012, 149, 248-261.	3.5	215
49	Glyoxalase System and Reactive Oxygen Species Detoxification System in Plant Abiotic Stress Response and Tolerance: An Intimate Relationship. , 2011, , .		6
50	Selenium-Induced Up-Regulation of the Antioxidant Defense and Methylglyoxal Detoxification System Reduces Salinity-Induced Damage in Rapeseed Seedlings. Biological Trace Element Research, 2011, 143, 1704-1721.	3.5	252
51	Coordinate induction of antioxidant defense and glyoxalase system by exogenous proline and glycinebetaine is correlated with salt tolerance in mung bean. Frontiers of Agriculture in China, 2011, 5, 1-14.	0.2	84
52	Nitric oxide modulates antioxidant defense and the methylglyoxal detoxification system and reduces salinity-induced damage of wheat seedlings. Plant Biotechnology Reports, 2011, 5, 353-365.	1.5	366
53	Evidence for a role of exogenous glycinebetaine and proline in antioxidant defense and methylglyoxal detoxification systems in mung bean seedlings under salt stress. Physiology and Molecular Biology of Plants, 2010, 16, 19-29.	3.1	133
54	Up-regulation of antioxidant and glyoxalase systems by exogenous glycinebetaine and proline in mung bean confer tolerance to cadmium stress. Physiology and Molecular Biology of Plants, 2010, 16, 259-272.	3.1	327

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55	Physiological and Biochemical Mechanisms of Nitric Oxide Induced Abiotic Stress Tolerance in Plants. American Journal of Plant Physiology, 2010, 5, 295-324.	0.2	81
56	Selenium in Higher Plants: Physiological Role, Antioxidant Metabolism and Abiotic Stress Tolerance. Journal of Plant Sciences, 2010, 5, 354-375.	0.2	135
57	Purification of Glyoxalase I from Onion Bulbs and Molecular Cloning of Its cDNA. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2007-2013.	1.3	67
58	Salinity Tolerance in Canola: Insights from Proteomic Studies. , 0, , .		3
59	Phenotyping of mungbean (<i>Vigna radiata</i> L.) genotypes against salt stress and assessment of variability for yield and yield attributing traits. Journal of Plant Stress Physiology, 0, , 7-17.	0.1	5
60	Cross Protection by Cold-shock to Salinity and Drought Stress-induced Oxidative Stress in Mustard (<i>Brassica campestris</i> L.) Seedlings. Molecular Plant Breeding, 0, , .	0.0	20
61	Hydrogen Peroxide Priming Stimulates Drought Tolerance in Mustard (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	0.0	12
62	Exogenous Glutathione Improves Salinity Stress Tolerance in Rice (<i>Oryza sativa</i> L.). Plant Gene & Trait, 0, , .	0.0	5
63	Genetic Variability and Association Analysis of Soybean (<i>Glycine max</i> (L.) Merrill) for Yield and Yield Attributing Traits. Plant Gene & Trait, 0, , .	0.0	4
64	Variability for agromorphological traits, genetic parameters, correlation and path coefficient analyses in Lentil (<i>Lens culinaris</i> Medik.). Research in Plant Biology, 0, , 1-7.	0.0	3
65	Potential determinants of salinity tolerance in rice (<i>Oryza sativa</i> L.) and modulation of tolerance by exogenous ascorbic acid application. Journal of Phytology, 0, , 86-98.	0.3	2
66	Vertical distribution of soil nutrients under different land use systems in Bangladesh. Journal of Aridland Agriculture, 0, , 6-12.	0.0	1
67	Application of moringa leaf extract improves growth and yield of Tomato (<i>Solanum lycopersicum</i>) and Indian Spinach (<i>Basella alba</i>). Plant Science Today, 0, , .	0.7	3