

Faisal Islam

List of Publications by Year in descending order

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62
papers

3,147
citations

172457

29
h-index

168389

53
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63
all docs

63
docs citations

63
times ranked

3320
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential impact of the herbicide 2,4-dichlorophenoxyacetic acid on human and ecosystems. <i>Environment International</i> , 2018, 111, 332-351.	10.0	268
2	Influence of <i>Pseudomonas aeruginosa</i> as PGPR on oxidative stress tolerance in wheat under Zn stress. <i>Ecotoxicology and Environmental Safety</i> , 2014, 104, 285-293.	6.0	223
3	Arsenic toxicity in plants: Cellular and molecular mechanisms of its transport and metabolism. <i>Environmental and Experimental Botany</i> , 2016, 132, 42-52.	4.2	213
4	Plant growth promoting bacteria confer salt tolerance in <i>Vigna radiata</i> by up-regulating antioxidant defense and biological soil fertility. <i>Plant Growth Regulation</i> , 2016, 80, 23-36.	3.4	202
5	Combined ability of chromium (Cr) tolerant plant growth promoting bacteria (PGPB) and salicylic acid (SA) in attenuation of chromium stress in maize plants. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 456-467.	5.8	158
6	Methyl Jasmonate Regulates Antioxidant Defense and Suppresses Arsenic Uptake in <i>Brassica napus</i> L.. <i>Frontiers in Plant Science</i> , 2016, 7, 468.	3.6	156
7	Differential subcellular distribution and chemical forms of cadmium and copper in <i>Brassica napus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 134, 239-249.	6.0	104
8	Physiological and molecular analyses of black and yellow seeded <i>Brassica napus</i> regulated by 5-aminolivulinic acid under chromium stress. <i>Plant Physiology and Biochemistry</i> , 2015, 94, 130-143.	5.8	92
9	<i>Proteus mirabilis</i> alleviates zinc toxicity by preventing oxidative stress in maize (<i>Zea mays</i>) plants. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 143-152.	6.0	84
10	Copper-resistant bacteria reduces oxidative stress and uptake of copper in lentil plants: potential for bacterial bioremediation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 220-233.	5.3	83
11	Priming-induced antioxidative responses in two wheat cultivars under saline stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	75
12	Subcellular distribution, modulation of antioxidant and stress-related genes response to arsenic in <i>Brassica napus</i> L.. <i>Ecotoxicology</i> , 2016, 25, 350-366.	2.4	74
13	Salicylic acid mediates antioxidant defense system and ABA pathway related gene expression in <i>Oryza sativa</i> against quinclorac toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 146-156.	6.0	73
14	Comparative transcriptome profiling of two <i>Brassica napus</i> cultivars under chromium toxicity and its alleviation by reduced glutathione. <i>BMC Genomics</i> , 2016, 17, 885.	2.8	69
15	Methyl jasmonate alleviates arsenic-induced oxidative damage and modulates the ascorbate-glutathione cycle in oilseed rape roots. <i>Plant Growth Regulation</i> , 2018, 84, 135-148.	3.4	68
16	Optimizing the phosphorus use in cotton by using CSM-CROPGRO-cotton model for semi-arid climate of Vehari-Punjab, Pakistan. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5811-5823.	5.3	67
17	Toxicological effects of bisphenol A on growth and antioxidant defense system in <i>Oryza sativa</i> as revealed by ultrastructure analysis. <i>Ecotoxicology and Environmental Safety</i> , 2016, 124, 277-284.	6.0	62
18	2,4-D attenuates salinity-induced toxicity by mediating anatomical changes, antioxidant capacity and cation transporters in the roots of rice cultivars. <i>Scientific Reports</i> , 2017, 7, 10443.	3.3	57

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19	Regional climate assessment of precipitation and temperature in Southern Punjab (Pakistan) using SimCLIM climate model for different temporal scales. <i>Theoretical and Applied Climatology</i> , 2018, 131, 121-131.	2.8	57
20	Weed research status, challenges, and opportunities in China. <i>Crop Protection</i> , 2020, 134, 104449.	2.1	55
21	Combined herbicide and saline stress differentially modulates hormonal regulation and antioxidant defense system in <i>Oryza sativa</i> cultivars. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 82-95.	5.8	54
22	Mitigation effects of exogenous melatonin-selenium nanoparticles on arsenic-induced stress in <i>Brassica napus</i> . <i>Environmental Pollution</i> , 2022, 292, 118473.	7.5	48
23	OsPEX11, a Peroxisomal Biogenesis Factor 11, Contributes to Salt Stress Tolerance in <i>Oryza sativa</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1357.	3.6	44
24	Silicon and water-deficit stress differentially modulate physiology and ultrastructure in wheat (<i>Triticum aestivum</i> L.). <i>3 Biotech</i> , 2017, 7, 273.	2.2	43
25	Reduced Glutathione Mediates Pheno-Ultrastructure, Kinome and Transportome in Chromium-Induced <i>Brassica napus</i> L. <i>Frontiers in Plant Science</i> , 2017, 8, 2037.	3.6	42
26	Complementary RNA-Sequencing Based Transcriptomics and iTRAQ Proteomics Reveal the Mechanism of the Alleviation of Quinclorac Stress by Salicylic Acid in <i>Oryza sativa</i> ssp. <i>japonica</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 1975.	4.1	41
27	Ecotoxicological and Interactive Effects of Copper and Chromium on Physiochemical, Ultrastructural, and Molecular Profiling in <i>Brassica napus</i> L.. <i>BioMed Research International</i> , 2018, 2018, 1-17.	1.9	40
28	Biochemical responses and ultrastructural changes in ethylene insensitive mutants of <i>Arabidopsis thaliana</i> subjected to bisphenol A exposure. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 62-71.	6.0	39
29	Sesame. , 2016, , 135-147.		36
30	Synergism of herbicide toxicity by 5-aminolevulinic acid is related to physiological and ultra-structural disorders in crickweed (<i>Malachium aquaticum</i> L.). <i>Pesticide Biochemistry and Physiology</i> , 2015, 125, 53-61.	3.6	33
31	iTRAQ-based proteomics of sunflower cultivars differing in resistance to parasitic weed <i>Orobanche cumana</i> . <i>Proteomics</i> , 2017, 17, 1700009.	2.2	30
32	Seed treatment with salicylic acid invokes defence mechanism of <i>Helianthus annuus</i> against <i>Orobanche cumana</i> . <i>Annals of Applied Biology</i> , 2016, 169, 408-422.	2.5	28
33	Comprehensive proteomic analysis of arsenic induced toxicity reveals the mechanism of multilevel coordination of efficient defense and energy metabolism in two <i>Brassica napus</i> cultivars. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111744.	6.0	27
34	Physiological and iTRAQ-Based Quantitative Proteomics Analysis of Methyl Jasmonate-Induced Tolerance in <i>Brassica napus</i> Under Arsenic Stress. <i>Proteomics</i> , 2018, 18, e1700290.	2.2	26
35	Salinity reduces 2,4-D efficacy in <i>Echinochloa crusgalli</i> by affecting redox balance, nutrient acquisition, and hormonal regulation. <i>Protoplasma</i> , 2018, 255, 785-802.	2.1	26
36	Drought tolerance in <i>Brassica napus</i> is accompanied with enhanced antioxidative protection, photosynthetic and hormonal regulation at seedling stage. <i>Physiologia Plantarum</i> , 2021, 172, 1133-1148.	5.2	25

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37	Synergistic effects of chromium and copper on photosynthetic inhibition, subcellular distribution, and related gene expression in <i>Brassica napus</i> cultivars. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11827-11845.	5.3	24
38	Differential cobalt-induced effects on plant growth, ultrastructural modifications, and antioxidative response among four <i>Brassica napus</i> (L.) cultivars. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 2685-2700.	3.5	22
39	Organic and inorganic amendments for the remediation of nickel contaminated soil and its improvement on <i>Brassica napus</i> growth and oxidative defense. <i>Journal of Hazardous Materials</i> , 2021, 416, 125921.	12.4	22
40	Biologically treated wastewater fertigation induced growth and yield enhancement effects in <i>Vigna radiata</i> L. <i>Agricultural Water Management</i> , 2014, 146, 124-130.	5.6	21
41	Ursolic Acid Limits Salt-Induced Oxidative Damage by Interfering With Nitric Oxide Production and Oxidative Defense Machinery in Rice. <i>Frontiers in Plant Science</i> , 2020, 11, 697.	3.6	20
42	Interactive effects of biochar and mussel shell activated concoctions on immobilization of nickel and their amelioration on the growth of rapeseed in contaminated aged soil. <i>Chemosphere</i> , 2021, 282, 130897.	8.2	20
43	Evaluation of quinclorac toxicity and alleviation by salicylic acid in rice seedlings using ground-based visible/near-infrared hyperspectral imaging. <i>Plant Methods</i> , 2020, 16, 30.	4.3	19
44	Butachlor-Induced Alterations in Ultrastructure, Antioxidant, and Stress-Responsive Gene Regulations in Rice Cultivars. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500851.	1.1	18
45	Comparative Transcriptomic Analysis of Biological Process and Key Pathway in Three Cotton (<i>Gossypium</i> spp.) Species Under Drought Stress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2076.	4.1	18
46	Rice Responses and Tolerance to Salt Stress. , 2019, , 791-819.		17
47	Beryllium Stress-Induced Modifications in Antioxidant Machinery and Plant Ultrastructure in the Seedlings of Black and Yellow Seeded Oilseed Rape. <i>BioMed Research International</i> , 2018, 2018, 1-14.	1.9	16
48	The Effect of Virulence and Resistance Mechanisms on the Interactions between Parasitic Plants and Their Hosts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9013.	4.1	16
49	Genome-wide characterization of WRKY gene family in <i>Helianthus annuus</i> L. and their expression profiles under biotic and abiotic stresses. <i>PLoS ONE</i> , 2020, 15, e0241965.	2.5	15
50	5-Aminolevulinic acid alleviates herbicide-induced physiological and ultrastructural changes in <i>Brassica napus</i> . <i>Journal of Integrative Agriculture</i> , 2018, 17, 579-592.	3.5	13
51	The potential of nanomaterials for sustainable modern agriculture: present findings and future perspectives. <i>Environmental Science: Nano</i> , 2022, 9, 1926-1951.	4.3	13
52	Endogenous nitric oxide contributes to chloride and sulphate salinity tolerance by modulation of ion transporter expression and reestablishment of redox balance in <i>Brassica napus</i> cultivars. <i>Environmental and Experimental Botany</i> , 2022, 194, 104734.	4.2	12
53	The Interplay between Hydrogen Sulfide and Phytohormone Signaling Pathways under Challenging Environments. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4272.	4.1	11
54	Transcriptional profiling of underground interaction of two contrasting sunflower cultivars with the root parasitic weed <i>Orobancha cumana</i> . <i>Plant and Soil</i> , 2020, 450, 303-321.	3.7	10

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55	Breeding Oil Crops for Sustainable Production: Heavy Metal Tolerance. , 2016, , 19-31.		7
56	5-Aminolevulinic acid could enhance the salinity tolerance by alleviating oxidative damages in <i>Salvia miltiorrhiza</i> . <i>Food Science and Technology</i> , 0, 42, .	1.7	4
57	Use of Phytohormones in Improving Abiotic Stress Tolerance in Rice. , 2019, , 651-675.		3
58	Safety of Oilseed Rape Straw Mulch of Different Lengths to Rice and Its Suppressive Effects on Weeds. <i>Agronomy</i> , 2020, 10, 201.	3.0	3
59	Title is missing!. , 2020, 15, e0241965.		0
60	Title is missing!. , 2020, 15, e0241965.		0
61	Title is missing!. , 2020, 15, e0241965.		0
62	Title is missing!. , 2020, 15, e0241965.		0