

Faisal Islam

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,147
citations

172207

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168136

53
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63
all docs

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docs citations

63
times ranked

3320
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Mitigation effects of exogenous melatonin-selenium nanoparticles on arsenic-induced stress in <i>Brassica napus</i> . <i>Environmental Pollution</i> , 2022, 292, 118473. | 3.7 | 48 |
| 2 | 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. | 2.0 | 12 |
| 3 | The Interplay between Hydrogen Sulfide and Phytohormone Signaling Pathways under Challenging Environments. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4272. | 1.8 | 11 |
| 4 | The potential of nanomaterials for sustainable modern agriculture: present findings and future perspectives. <i>Environmental Science: Nano</i> , 2022, 9, 1926-1951. | 2.2 | 13 |
| 5 | 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. | 2.9 | 27 |
| 6 | 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. | 2.6 | 25 |
| 7 | 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. | 6.5 | 22 |
| 8 | 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. | 4.2 | 20 |
| 9 | Weed research status, challenges, and opportunities in China. <i>Crop Protection</i> , 2020, 134, 104449. | 1.0 | 55 |
| 10 | 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. | 1.8 | 16 |
| 11 | 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. | 1.9 | 19 |
| 12 | Safety of Oilseed Rape Straw Mulch of Different Lengths to Rice and Its Suppressive Effects on Weeds. <i>Agronomy</i> , 2020, 10, 201. | 1.3 | 3 |
| 13 | 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. | 1.7 | 20 |
| 14 | Transcriptional profiling of underground interaction of two contrasting sunflower cultivars with the root parasitic weed <i>Orobanche cumana</i> . <i>Plant and Soil</i> , 2020, 450, 303-321. | 1.8 | 10 |
| 15 | 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. | 1.1 | 15 |
| 16 | Title is missing!. , 2020, 15, e0241965. | | 0 |
| 17 | Title is missing!. , 2020, 15, e0241965. | | 0 |
| 18 | Title is missing!. , 2020, 15, e0241965. | | 0 |

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| 19 | Title is missing!. , 2020, 15, e0241965. | | 0 |
| 20 | 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. | 1.8 | 18 |
| 21 | 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. | 2.7 | 24 |
| 22 | Use of Phytohormones in Improving Abiotic Stress Tolerance in Rice. , 2019, , 651-675. | | 3 |
| 23 | Rice Responses and Tolerance to Salt Stress. , 2019, , 791-819. | | 17 |
| 24 | 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. | 1.7 | 13 |
| 25 | 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. | 1.3 | 26 |
| 26 | 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. | 1.3 | 57 |
| 27 | 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. | 1.8 | 22 |
| 28 | 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. | 1.8 | 68 |
| 29 | 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. | 1.0 | 26 |
| 30 | 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. | 0.9 | 40 |
| 31 | 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. | 0.9 | 16 |
| 32 | Potential impact of the herbicide 2,4-dichlorophenoxyacetic acid on human and ecosystems. <i>Environment International</i> , 2018, 111, 332-351. | 4.8 | 268 |
| 33 | iTRAQ-based proteomics of sunflower cultivars differing in resistance to parasitic weed <i>Orobanche cumana</i> . <i>Proteomics</i> , 2017, 17, 1700009. | 1.3 | 30 |
| 34 | 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. | 2.9 | 39 |
| 35 | Butachlor-Induced Alterations in Ultrastructure, Antioxidant, and Stress-Responsive Gene Regulations in Rice Cultivars. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500851. | 0.7 | 18 |
| 36 | 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. | 2.7 | 67 |

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|----|---|-----|-----------|
| 37 | 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. | 1.6 | 57 |
| 38 | Silicon and water-deficit stress differentially modulate physiology and ultrastructure in wheat (<i>Triticum aestivum</i> L.). <i>3 Biotech</i> , 2017, 7, 273. | 1.1 | 43 |
| 39 | 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. | 1.7 | 42 |
| 40 | 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. | 1.8 | 41 |
| 41 | Breeding Oil Crops for Sustainable Production: Heavy Metal Tolerance. , 2016, , 19-31. | | 7 |
| 42 | Methyl Jasmonate Regulates Antioxidant Defense and Suppresses Arsenic Uptake in <i>Brassica napus</i> L.. <i>Frontiers in Plant Science</i> , 2016, 7, 468. | 1.7 | 156 |
| 43 | 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. | 1.7 | 44 |
| 44 | Sesame. , 2016, , 135-147. | | 36 |
| 45 | 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. | 1.2 | 69 |
| 46 | 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. | 2.8 | 54 |
| 47 | 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. | 2.9 | 73 |
| 48 | 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. | 1.3 | 28 |
| 49 | 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. | 2.8 | 158 |
| 50 | Arsenic toxicity in plants: Cellular and molecular mechanisms of its transport and metabolism. <i>Environmental and Experimental Botany</i> , 2016, 132, 42-52. | 2.0 | 213 |
| 51 | 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. | 2.9 | 104 |
| 52 | 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. | 1.1 | 74 |
| 53 | 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. | 1.8 | 202 |
| 54 | 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. | 2.9 | 62 |

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|----|---|-----|-----------|
| 55 | 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. | 2.7 | 83 |
| 56 | Priming-induced antioxidative responses in two wheat cultivars under saline stress. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1. | 1.0 | 75 |
| 57 | Physiological and molecular analyses of black and yellow seeded <i>Brassica napus</i> regulated by 5-aminolevulinic acid under chromium stress. <i>Plant Physiology and Biochemistry</i> , 2015, 94, 130-143. | 2.8 | 92 |
| 58 | 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. | 1.6 | 33 |
| 59 | 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. | 2.9 | 223 |
| 60 | 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. | 2.4 | 21 |
| 61 | <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. | 2.9 | 84 |
| 62 | 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, . | 0.8 | 4 |