# Najeeb Ullah

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/849573/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 66 papers | 3,282 citations | 236925 25 h-index | 161849 54 g-index |
| 70 all docs | 70 docs citations | 70 times ranked | 3494 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phytohormones and plant responses to salinity stress: a review. Plant Growth Regulation, 2015, 75, 391-404. | 3.4 | 566 |
| 2 | Insights into cadmium induced physiological and ultra-structural disorders in Juncus effusus L. and its remediation through exogenous citric acid. Journal of Hazardous Materials, 2011, 186, 565-574. | 12.4 | 232 |
| 3 | Arsenic toxicity in plants: Cellular and molecular mechanisms of its transport and metabolism. Environmental and Experimental Botany, 2016, 132, 42-52. | 4.2 | 213 |
| 4 | Citric acid assisted phytoremediation of copper by Brassica napus L.. Ecotoxicology and Environmental Safety, 2015, 120, 310-317. | 6.0 | 191 |
| 5 | Citric acid improves lead (pb) phytoextraction in brassica napus L. by mitigating pb-induced morphological and biochemical damages. Ecotoxicology and Environmental Safety, 2014, 109, 38-47. | 6.0 | 145 |
| 6 | Citric acid enhances the phytoextraction of manganese and plant growth by alleviating the ultrastructural damages in Juncus effusus L.. Journal of Hazardous Materials, 2009, 170, 1156-1163. | 12.4 | 129 |
| 7 | Coping with drought: stress and adaptive mechanisms, and management through cultural and molecular alternatives in cotton as vital constituents for plant stress resilience and fitness. Biological Research, 2018, 51, 47. | 3.4 | 126 |
| 8 | Salinity Stress in Wheat (Triticum aestivum L.) in the Changing Climate: Adaptation and Management Strategies. Frontiers in Agronomy, 2021, 3, . | 3.3 | 117 |
| 9 | Cadmium-induced functional and ultrastructural alterations in roots of two transgenic cotton cultivars. Journal of Hazardous Materials, 2009, 161, 463-473. | 12.4 | 116 |
| 10 | Silicon (Si) alleviates cotton (Gossypium hirsutum L.) from zinc (Zn) toxicity stress by limiting Zn uptake and oxidative damage. Environmental Science and Pollution Research, 2015, 22, 3441-3450. | 5.3 | 112 |
| 11 | Planting density and sowing date strongly influence growth and lint yield of cotton crops. Field Crops Research, 2017, 209, 129-135. | 5.1 | 102 |
| 12 | Consequences of waterlogging in cotton and opportunities for mitigation of yield losses. AoB PLANTS, 2015, 7, plv080. | 2.3 | 78 |
| 13 | Calcium invigorates the cadmium-stressed Brassica napus L. plants by strengthening their photosynthetic system. Environmental Science and Pollution Research, 2011, 18, 1478-1486. | 5.3 | 76 |
| 14 | Enhancing the lead phytostabilization in wetland plant Juncus effusus L. through somaclonal manipulation and EDTA enrichment. Arabian Journal of Chemistry, 2017, 10, S3310-S3317. | 4.9 | 70 |
| 15 | Cadmium-induced ultramorphological and physiological changes in leaves of two transgenic cotton cultivars and their wild relative. Journal of Hazardous Materials, 2009, 168, 614-625. | 12.4 | 69 |
| 16 | Lead Toxicity in Cereals: Mechanistic Insight Into Toxicity, Mode of Action, and Management. Frontiers in Plant Science, 2020, 11, 587785. | 3.6 | 64 |
| 17 | Exogenously applied growth regulators protect the cotton crop from heat-induced injury by modulating plant defense mechanism. Scientific Reports, 2018, 8, 17086. | 3.3 | 58 |
| 18 | Aminoethoxyvinylglycine (AVG) ameliorates waterlogging-induced damage in cotton by inhibiting ethylene synthesis and sustaining photosynthetic capacity. Plant Growth Regulation, 2015, 76, 83-98. | 3.4 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Role of mineral nutrition in alleviation of heat stress in cotton plants grown in glasshouse and field conditions. Scientific Reports, 2019, 9, 13022. | 3.3 | 54 |
| 20 | Physiological and biochemical mechanisms of silicon-induced copper stress tolerance in cotton (Gossypium hirsutum L.). Acta Physiologiae Plantarum, 2016, 38, 1. | 2.1 | 50 |
| 21 | Correlation studies on nitrogen for sunflower crop across the agroclimatic variability. Environmental Science and Pollution Research, 2016, 23, 3658-3670. | 5.3 | 42 |
| 22 | Pretreatment with salicylic acid and ascorbic acid significantly mitigate oxidative stress induced by copper in cotton genotypes. Environmental Science and Pollution Research, 2015, 22, 9922-9931. | 5.3 | 40 |
| 23 | Haploid and Doubled Haploid Technology. Advances in Botanical Research, 2007, , 181-216. | 1.1 | 36 |
| 24 | Sesame. , 2016, , 135-147. | | 36 |
| 25 | Insights on the responses of Brassica napus cultivars against the cobalt-stress as revealed by carbon assimilation, anatomical changes and secondary metabolites. Environmental and Experimental Botany, 2018, 156, 183-196. | 4.2 | 32 |
| 26 | Pollen development in cotton (<scp>Gossypium hirsutum</scp>) is highly sensitive to heat exposure during the tetrad stage. Plant, Cell and Environment, 2021, 44, 2150-2166. | 5.7 | 29 |
| 27 | Nitric oxide protects carbon assimilation process of watermelon from boron-induced oxidative injury. Plant Physiology and Biochemistry, 2017, 111, 166-173. | 5.8 | 27 |
| 28 | Induction of tetraploidy in Juncus effusus by colchicine. Biologia Plantarum, 2010, 54, 659-663. | 1.9 | 26 |
| 29 | Synergistic effects of EDDS and ALA on phytoextraction of cadmium as revealed by biochemical and ultrastructural changes in sunflower (Helianthus annuus L.) tissues. Journal of Hazardous Materials, 2021, 407, 124764. | 12.4 | 26 |
| 30 | Hydrogen peroxide reduces heatâ€induced yield losses in cotton (<scp>G</scp>ossypium hirsutum) Tj ETQq0 0 0 rgBT /Overlock 10 2017, 203, 429-441. | 3.5 | 25 |
| 31 | WHEAT (TRITICUM AESTIVUM L.) PRODUCTION UNDER DROUGHT AND HEAT STRESS â€“ ADVERSE EFFECTS, MECHANISMS AND MITIGATION: A REVIEW. Applied Ecology and Environmental Research, 2019, 17, . | 0.5 | 22 |
| 32 | Mitigation of Cadmium Induced Oxidative Stress by Using Organic Amendments to Improve the Growth and Yield of Mash Beans [Vigna mungo (L.)]. Agronomy, 2021, 11, 2152. | 3.0 | 22 |
| 33 | Biochar and Selenium Nanoparticles Induce Water Transporter Genes for Sustaining Carbon Assimilation and Grain Production in Salt-Stressed Wheat. Journal of Plant Growth Regulation, 2023, 42, 1522-1543. | 5.1 | 22 |
| 34 | Low Incident Light Combined with Partial Waterlogging Impairs Photosynthesis and Imposes a Yield Penalty in Cotton. Journal of Agronomy and Crop Science, 2016, 202, 331-341. | 3.5 | 20 |
| 35 | Genome-wide investigation and expression analysis of membrane-bound fatty acid desaturase genes under different biotic and abiotic stresses in sunflower (Helianthus annuus L.). International Journal of Biological Macromolecules, 2021, 175, 188-198. | 7.5 | 18 |
| 36 | Insights into the plateau adaptation of Salvia castanea by comparative genomic and WGCNA analyses. Journal of Advanced Research, 2022, 42, 221-235. | 9.5 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Development of an efficient tissue culture protocol for callus formation and plant regeneration of wetland species Juncus effusus L.. In Vitro Cellular and Developmental Biology - Plant, 2009, 45, 610-618. | 2.1 | 16 |
| 38 | Post-Anthesis Heat Influences Grain Yield, Physical and Nutritional Quality in Wheat: A Review. Agriculture (Switzerland), 2022, 12, 886. | 3.1 | 16 |
| 39 | Protecting cotton crops under elevated CO2 from waterlogging by managing ethylene. Functional Plant Biology, 2018, 45, 340. | 2.1 | 13 |
| 40 | Planting Density Induced Changes in Cotton Biomass Yield, Fiber Quality, and Phosphorus Distribution under Beta Growth Model. Agronomy, 2019, 9, 500. | 3.0 | 12 |
| 41 | Ultraviolet-C mediated physiological and ultrastructural alterations in Juncus effusus L. shoots. Acta Physiologiae Plantarum, 2011, 33, 481-488. | 2.1 | 11 |
| 42 | Soil Contamination with Metals. , 2015, , 37-61. | | 11 |
| 43 | In Vitro Mutagenesis and Genetic Improvement. , 2012, , 151-173. | | 10 |
| 44 | Improved lentil production by utilizing genetic variability in response to phosphorus fertilization. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2010, 60, 485-493. | 0.6 | 9 |
| 45 | Endogenous Ethylene Concentration Is Not a Major Determinant of Fruit Abscission in Heat-Stressed Cotton (Gossypium hirsutum L.). Frontiers in Plant Science, 2017, 8, 1615. | 3.6 | 9 |
| 46 | Detection of major weather patterns reduces number of simulations in climate impact studies. Journal of Agronomy and Crop Science, 2020, 206, 376-389. | 3.5 | 9 |
| 47 | Editorial: Global Food and Nutrition Security Under Changing Climates. Frontiers in Agronomy, 2022, 3, . | 3.3 | 9 |
| 48 | Separation of Organic and Inorganic Compounds for Specific Applications. Journal of Chemistry, 2015, 2015, 1-3. | 1.9 | 8 |
| 49 | Waterâ€saving cultivation plus super rice hybrid genotype improves water productivity and yield. Agronomy Journal, 2020, 112, 1764-1777. | 1.8 | 8 |
| 50 | Sesame. , 2012, , 131-145. | | 7 |
| 51 | In VitroCadmium-Induced Alterations in Growth and Oxidative Metabolism of Upland Cotton (Gossypium hirsutumL.). Scientific World Journal, The, 2014, 2014, 1-10. | 2.1 | 7 |
| 52 | Role of Mineral Nutrients in Plant Growth Under Extreme Temperatures. , 2018, , 499-524. | | 6 |
| 53 | Inducing waterlogging tolerance in cotton via an anti-ethylene agent aminoethoxyvinylglycine application. Archives of Agronomy and Soil Science, 0, , 1-11. | 2.6 | 5 |
| 54 | Adaptation of Crops to Warmer Climates: Morphological and Physiological Mechanisms. , 2019, , 27-50. | | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Leaf nitrogen metabolism during reproductive phase is crucial for sustaining lint yield of densely populated cotton genotypes. Agronomy Journal, 2020, 112, 4031-4044. | 1.8 | 5 |
| 56 | Carbohydrate Assimilation and Translocation Regulate Grain Yield Formation in Wheat Crops (Triticum aestivum L.) under Post-Flowering Waterlogging. Agronomy, 2021, 11, 2209. | 3.0 | 5 |
| 57 | Overcoming Reproductive Compromise Under Heat Stress in Wheat: Physiological and Genetic Regulation, and Breeding Strategy. Frontiers in Plant Science, 2022, 13, . | 3.6 | 5 |
| 58 | Cotton growth and yield dynamics across canopy layers in response to soil waterlogging. Australian Journal of Crop Science, 2016, 10, 1170-1181. | 0.3 | 4 |
| 59 | Effects of ZJ0273 on barley and growth recovery of herbicide-stressed seedlings through application of branched-chain amino acids. Journal of Zhejiang University: Science B, 2019, 20, 71-83. | 2.8 | 4 |
| 60 | Increasing Heat Tolerance in Wheat to Counteract Recent and Projected Increases in Heat Stress. Proceedings (mdpi), 2020, 36, . | 0.2 | 4 |
| 61 | Adverse Effect of Drought on Quality of Major Cereal Crops: Implications and Their Possible Mitigation Strategies. , 2020, , 635-658. | | 4 |
| 62 | 5-Aminolevulinic acid could enhance the salinity tolerance by alleviating oxidative damages in Salvia miltiorrhiza. Food Science and Technology, 0, 42, . | 1.7 | 4 |
| 63 | Contribution of climate models and APSIM phenological parameters to uncertainties in spring wheat simulations: Application of SUFIâ€2 algorithm in northeast Australia. Journal of Agronomy and Crop Science, 2022, 208, 225-242. | 3.5 | 4 |
| 64 | Rendering Multivariate Statistical Models for Genetic Diversity Assessment in A-Genome Diploid Wheat Population. Agronomy, 2021, 11, 2339. | 3.0 | 3 |
| 65 | Analysis on Heat Characteristics for Summer Maize Cropping in a Semi-Arid Region. Agronomy, 2022, 12, 1435. | 3.0 | 3 |
| 66 | Understanding of the Interactive Effect of Waterlogging and Shade on Cotton (Gossypium hirsutum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.4 | 1 |