# Syed Tahir Ata-Ul-Karim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/111738/publications.pdf

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| 67 | 2,799 | 147726 | 189801 |
|---|---|---|---|
| papers | citations | 31 h-index | 50 g-index |

| 68 | 68 | 68 | 2624 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Distinct and dynamic distributions of multiple elements and their species in the rice rhizosphere. Plant and Soil, 2022, 471, 47-60. | 1.8 | 5 |
| 2 | Delineating soil nutrient management zones based on optimal sampling interval in medium- and small-scale intensive farming systems. Precision Agriculture, 2022, 23, 538-558. | 3.1 | 7 |
| 3 | Recalibrating plant water status of winter wheat based on nitrogen nutrition index using thermal images. Precision Agriculture, 2022, 23, 748-767. | 3.1 | 4 |
| 4 | Simulation of wheat yield using CERES-Wheat under rainfed and supplemental irrigation conditions in a semi-arid environment. Agricultural Water Management, 2022, 264, 107510. | 2.4 | 3 |
| 5 | Estimating the Impacts of Plant Internal Nitrogen Deficit at Key Top Dressing Stages on Corn Productivity and Intercepted Photosynthetic Active Radiation. Frontiers in Plant Science, 2022, 13, 864258. | 1.7 | 2 |
| 6 | The impact of alternate wetting and drying and continuous flooding on antimony speciation and uptake in a soil-rice system. Chemosphere, 2022, 297, 134147. | 4.2 | 1 |
| 7 | Advances in the estimations and applications of critical nitrogen dilution curve and nitrogen nutrition index of major cereal crops. A review. Computers and Electronics in Agriculture, 2022, 197, 106998. | 3.7 | 20 |
| 8 | Determining the plant critical saturated water accumulation curve in maize. Field Crops Research, 2022, 284, 108556. | 2.3 | 2 |
| 9 | Multi-model ensembles for assessing the impact of future climate change on rainfed wheat productivity under various cultivars and nitrogen levels. European Journal of Agronomy, 2022, 139, 126554. | 1.9 | 12 |
| 10 | Estimating the Growth Indices and Nitrogen Status Based on Color Digital Image Analysis During Early Growth Period of Winter Wheat. Frontiers in Plant Science, 2021, 12, 619522. | 1.7 | 5 |
| 11 | Vulnerability of rice production to temperature extremes during rice reproductive stage in Yangtze River Valley, China. Journal of King Saud University - Science, 2021, 33, 101599. | 1.6 | 21 |
| 12 | Exploring the Impacts of Genotype-Management-Environment Interactions on Wheat Productivity, Water Use Efficiency, and Nitrogen Use Efficiency under Rainfed Conditions. Plants, 2021, 10, 2310. | 1.6 | 5 |
| 13 | Spatial difference of climate change effects on wheat protein concentration in China. Environmental Research Letters, 2021, 16, 124011. | 2.2 | 12 |
| 14 | Exploring the nitrogen source-sink ratio to quantify ear nitrogen accumulation in maize and wheat using critical nitrogen dilution curve. Field Crops Research, 2021, 274, 108332. | 2.3 | 17 |
| 15 | Predicting Equivalent Water Thickness in Wheat Using UAV Mounted Multispectral Sensor through Deep Learning Techniques. Remote Sensing, 2021, 13, 4476. | 1.8 | 7 |
| 16 | Integrated Application of Thiourea and Biochar Improves Maize Growth, Antioxidant Activity and Reduces Cadmium Bioavailability in Cadmium-Contaminated Soil. Frontiers in Plant Science, 2021, 12, 809322. | 1.7 | 18 |
| 17 | Interactions between nitrogen application and soil properties and their impacts on the transfer of cadmium from soil to wheat (Triticum aestivum L.) grain. Geoderma, 2020, 357, 113923. | 2.3 | 32 |
| 18 | Effects of soil properties, nitrogen application, plant phenology, and their interactions on plant uptake of cadmium in wheat. Journal of Hazardous Materials, 2020, 384, 121452. | 6.5 | 30 |

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|---|---|---|---|
| 19 | Determination of the post-anthesis nitrogen status using ear critical nitrogen dilution curve and its implications for nitrogen management in maize and wheat. European Journal of Agronomy, 2020, 113, 125967. | 1.9 | 36 |
| 20 | Does the Organ-Based N Dilution Curve Improve the Predictions of N Status in Winter Wheat?. Agriculture (Switzerland), 2020, 10, 500. | 1.4 | 11 |
| 21 | Analyzing uncertainty in critical nitrogen dilution curves. European Journal of Agronomy, 2020, 118, 126076. | 1.9 | 29 |
| 22 | Influence of Soil Properties and Aging on Antimony Toxicity for Barley Root Elongation. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 714-720. | 1.3 | 8 |
| 23 | Combining Color Indices and Textures of UAV-Based Digital Imagery for Rice LAI Estimation. Remote Sensing, 2019, 11, 1763. | 1.8 | 126 |
| 24 | Speciation and location of arsenic and antimony in rice samples around antimony mining area. Environmental Pollution, 2019, 252, 1439-1447. | 3.7 | 52 |
| 25 | Cd(II) retention and remobilization on Î´-MnO2 and Mn(III)-rich Î´-MnO2 affected by Mn(II). Environment International, 2019, 130, 104932. | 4.8 | 32 |
| 26 | Effects of soil environmental factors and UV aging on Cu2+ adsorption on microplastics. Environmental Science and Pollution Research, 2019, 26, 23027-23036. | 2.7 | 82 |
| 27 | Development of Chlorophyll-Meter-Index-Based Dynamic Models for Evaluation of High-Yield Japonica Rice Production in Yangtze River Reaches. Agronomy, 2019, 9, 106. | 1.3 | 15 |
| 28 | A scientometric review of biochar research in the past 20Âyears (1998â€“2018). Biochar, 2019, 1, 23-43. | 6.2 | 160 |
| 29 | Effects of various warming patterns on Cd transfer in soil-rice systems under Free Air Temperature Increase (FATI) conditions. Ecotoxicology and Environmental Safety, 2019, 168, 80-87. | 2.9 | 15 |
| 30 | Effect of Straw Incorporation on Corn Yield in North China: A Meta-Analysis. Journal of Biobased Materials and Bioenergy, 2019, 13, 532-536. | 0.1 | 4 |
| 31 | The oxidation and sorption mechanism of Sb on Î´-MnO 2. Chemical Engineering Journal, 2018, 342, 429-437. | 6.6 | 61 |
| 32 | Phyto-management of chromium contaminated soils through sunflower under exogenously applied 5-aminolevulinic acid. Ecotoxicology and Environmental Safety, 2018, 151, 255-265. | 2.9 | 78 |
| 33 | Electrokinetic delivery of anodic in situ generated active chlorine to remediate diesel-contaminated sand. Chemical Engineering Journal, 2018, 337, 499-505. | 6.6 | 24 |
| 34 | Exploring new spectral bands and vegetation indices for estimating nitrogen nutrition index of summer maize. European Journal of Agronomy, 2018, 93, 113-125. | 1.9 | 96 |
| 35 | Regional climate assessment of precipitation and temperature in Southern Punjab (Pakistan) using SimCLIM climate model for different temporal scales. Theoretical and Applied Climatology, 2018, 131, 121-131. | 1.3 | 57 |
| 36 | Seed osmopriming invokes stress memory against post-germinative drought stress in wheat ( Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 T | 2.0 | 79 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Potential of UAV-Based Active Sensing for Monitoring Rice Leaf Nitrogen Status. Frontiers in Plant Science, 2018, 9, 1834. | 1.7 | 45 |
| 38 | Pre-Drought Priming. Advances in Agronomy, 2018, 152, 51-85. | 2.4 | 9 |
| 39 | Determination of critical nitrogen concentration and dilution curve based on leaf area index for summer maize. Field Crops Research, 2018, 228, 195-203. | 2.3 | 37 |
| 40 | Simple Assessment of Nitrogen Nutrition Index in Summer Maize by Using Chlorophyll Meter Readings. Frontiers in Plant Science, 2018, 9, 11. | 1.7 | 41 |
| 41 | Role of Mineral Nutrients in Plant Growth Under Extreme Temperatures. , 2018, , 499-524. | | 6 |
| 42 | Estimation of Dynamic Canopy Variables Using Hyperspectral Derived Vegetation Indices Under Varying N Rates at Diverse Phenological Stages of Rice. Frontiers in Plant Science, 2018, 9, 1883. | 1.7 | 14 |
| 43 | Development of a critical nitrogen dilution curve based on leaf dry matter for summer maize. Field Crops Research, 2017, 208, 60-68. | 2.3 | 47 |
| 44 | Comparison of different critical nitrogen dilution curves for nitrogen diagnosis in rice. Scientific Reports, 2017, 7, 42679. | 1.6 | 47 |
| 45 | Optimizing the phosphorus use in cotton by using CSM-CROPGRO-cotton model for semi-arid climate of Vehari-Punjab, Pakistan. Environmental Science and Pollution Research, 2017, 24, 5811-5823. | 2.7 | 67 |
| 46 | In-season assessment of grain protein and amylose content in rice using critical nitrogen dilution curve. European Journal of Agronomy, 2017, 90, 139-151. | 1.9 | 40 |
| 47 | Estimation of nitrogen fertilizer requirement for rice crop using critical nitrogen dilution curve. Field Crops Research, 2017, 201, 32-40. | 2.3 | 86 |
| 48 | Development of a Critical Nitrogen Dilution Curve of Double Cropping Rice in South China. Frontiers in Plant Science, 2017, 8, 638. | 1.7 | 35 |
| 49 | Development of a Critical Nitrogen Dilution Curve Based on Leaf Area Duration in Wheat. Frontiers in Plant Science, 2017, 8, 1517. | 1.7 | 19 |
| 50 | A New Curve of Critical Nitrogen Concentration Based on Spike Dry Matter for Winter Wheat in Eastern China. PLoS ONE, 2016, 11, e0164545. | 1.1 | 25 |
| 51 | Optimal Leaf Positions for SPAD Meter Measurement in Rice. Frontiers in Plant Science, 2016, 7, 719. | 1.7 | 118 |
| 52 | Nitrogen Nutrition Improves the Potential of Wheat (Triticum aestivum L.) to Alleviate the Effects of Drought Stress during Vegetative Growth Periods. Frontiers in Plant Science, 2016, 7, 981. | 1.7 | 109 |
| 53 | Nitrogen Fertilizer Management for Enhancing Crop Productivity and Nitrogen Use Efficiency in a Rice-Oilseed Rape Rotation System in China. Frontiers in Plant Science, 2016, 7, 1496. | 1.7 | 69 |
| 54 | Non-destructive Assessment of Plant Nitrogen Parameters Using Leaf Chlorophyll Measurements in Rice. Frontiers in Plant Science, 2016, 7, 1829. | 1.7 | 74 |

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|---|---|---|---|
| 55 | Adaptation to and recovery from drought stress at vegetative stages in wheat (Triticum aestivum) cultivars. Functional Plant Biology, 2016, 43, 1159. | 1.1 | 50 |
| 56 | Improved tolerance to post-anthesis drought stress by pre-drought priming at vegetative stages in drought-tolerant and -sensitive wheat cultivars. Plant Physiology and Biochemistry, 2016, 106, 218-227. | 2.8 | 109 |
| 57 | In-season estimation of rice grain yield using critical nitrogen dilution curve. Field Crops Research, 2016, 195, 1-8. | 2.3 | 85 |
| 58 | Indicators for diagnosing nitrogen status of rice based on chlorophyll meter readings. Field Crops Research, 2016, 185, 12-20. | 2.3 | 88 |
| 59 | Rapid and nondestructive estimation of the nitrogen nutrition index in winter barley using chlorophyll measurements. Field Crops Research, 2016, 185, 59-68. | 2.3 | 70 |
| 60 | Yield Response of Spring Maize to Inter-Row Subsoiling and Soil Water Deficit in Northern China. PLoS ONE, 2016, 11, e0153809. | 1.1 | 9 |
| 61 | Response of Nitrogen, Phosphorus and Potassium Fertilization on Productivity and Quality of Winter Rapeseed in Central China. International Journal of Agriculture and Biology, 2016, 18, 1137-1142. | 0.2 | 10 |
| 62 | Determination of Critical Nitrogen Dilution Curve Based on Stem Dry Matter in Rice. PLoS ONE, 2014, 9, e104540. | 1.1 | 28 |
| 63 | Development of critical nitrogen dilution curve in rice based on leaf dry matter. European Journal of Agronomy, 2014, 55, 20-28. | 1.9 | 50 |
| 64 | Determination of critical nitrogen dilution curve based on leaf area index in rice. Field Crops Research, 2014, 167, 76-85. | 2.3 | 64 |
| 65 | New Critical Nitrogen Curve Based on Leaf Area Index for Winter Wheat. Agronomy Journal, 2014, 106, 379-389. | 0.9 | 41 |
| 66 | Development of critical nitrogen dilution curve of Japonica rice in Yangtze River Reaches. Field Crops Research, 2013, 149, 149-158. | 2.3 | 111 |
| 67 | Simulation of future global warming scenarios in rice paddies with an open-field warming facility. Plant Methods, 2011, 7, 41. | 1.9 | 28 |