Usman Zulfiqar

List of Publications by Year in descending order

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36 papers	1,364 citations	394421 19 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	1000 citing authors

#	Article	IF	Citations
1	Thiourea Application Increases Seed and Oil Yields in Camelina Under Heat Stress by Modulating the Plant Water Relations and Antioxidant Defense System. Journal of Soil Science and Plant Nutrition, 2023, 23, 290-307.	3.4	15
2	Enhancing the accumulation and bioavailability of iron in rice grains via agronomic interventions. Crop and Pasture Science, 2022, 73, 32-43.	1.5	8
3	Improving Heat Stress Tolerance in Camelina sativa and Brassica napus Through Thiourea Seed Priming. Journal of Plant Growth Regulation, 2022, 41, 2886-2902.	5.1	13
4	Economic assessment of water-saving irrigation management techniques and continuous flooded irrigation in different rice production systems. Paddy and Water Environment, 2022, 20, 37-50.	1.8	5
5	Cadmium Toxicity in Plants: Recent Progress on Morpho-physiological Effects and Remediation Strategies. Journal of Soil Science and Plant Nutrition, 2022, 22, 212-269.	3.4	62
6	Heat stress effects on the reproductive physiology and yield of wheat. Journal of Agronomy and Crop Science, 2022, 208, 1-17.	3.5	70
7	Cadmium Phytotoxicity, Tolerance, and Advanced Remediation Approaches in Agricultural Soils; A Comprehensive Review. Frontiers in Plant Science, 2022, 13, 773815.	3.6	77
8	Methionine Promotes the Growth and Yield of Wheat under Water Deficit Conditions by Regulating the Antioxidant Enzymes, Reactive Oxygen Species, and Ions. Life, 2022, 12, 969.	2.4	12
9	Thiourea Application Improves the Growth and Seed and Oil Yields in Canola by Modulating Gas Exchange, Antioxidant Defense, and Osmoprotection Under Heat Stress. Journal of Soil Science and Plant Nutrition, 2022, 22, 3655-3666.	3.4	11
10	Zinc nutrition to enhance rice productivity, zinc use efficiency, and grain biofortification under different production systems. Crop Science, 2021, 61, 739-749.	1.8	25
11	Strategies for reducing cadmium accumulation in rice grains. Journal of Cleaner Production, 2021, 286, 125557.	9.3	70
12	Influence of Nitrogen Fertilization Pattern on Productivity, Nitrogen Use Efficiencies, and Profitability in Different Rice Production Systems. Journal of Soil Science and Plant Nutrition, 2021, 21, 145-161.	3.4	10
13	Foliar Manganese Supply Enhances Crop Productivity, Net Benefits, and Grain Manganese Accumulation in Direct-Seeded and Puddled Transplanted Rice. Journal of Plant Growth Regulation, 2021, 40, 1539-1556.	5.1	14
14	Manganese Supply Improves Bread Wheat Productivity, Economic Returns and Grain Biofortification under Conventional and No Tillage Systems. Agriculture (Switzerland), 2021, 11, 142.	3.1	16
15	Differential Morphophysiological, Biochemical, and Molecular Responses of Maize Hybrids to Salinity and Alkalinity Stresses. Agronomy, 2021, 11, 1150.	3.0	19
16	Grain development in wheat under combined heat and drought stress: Plant responses and management. Environmental and Experimental Botany, 2021, 188, 104517.	4.2	60
17	Carbon Sequestration to Avoid Soil Degradation: A Review on the Role of Conservation Tillage. Plants, 2021, 10, 2001.	3.5	31
18	Thiourea application improves heat tolerance in camelina (Camelina sativa L. Crantz) by modulating gas exchange, antioxidant defense and osmoprotection. Industrial Crops and Products, 2021, 170, 113826.	5.2	26

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19	Influence of water management techniques on milling recovery, grain quality and mercury uptake in different rice production systems. Agricultural Water Management, 2021, 243, 106500.	5.6	14
20	Adaptation Strategies to Improve the Resistance of Oilseed Crops to Heat Stress Under a Changing Climate: An Overview. Frontiers in Plant Science, 2021, 12, 767150.	3.6	30
21	Influence of Zn nutrition on the productivity, grain quality and grain biofortification of wheat under conventional and conservation riceâ€“wheat cropping systems. Archives of Agronomy and Soil Science, 2020, 66, 1042-1057.	2.6	17
22	Application of zinc and biochar help to mitigate cadmium stress in bread wheat raised from seeds with high intrinsic zinc. Chemosphere, 2020, 260, 127652.	8.2	52
23	Alternate wetting and drying: A water-saving and ecofriendly rice production system. Agricultural Water Management, 2020, 241, 106363.	5.6	88
24	Agronomic Biofortification of Zinc in Pakistan: Status, Benefits, and Constraints. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	42
25	Influence of Nitrogen Management Regimes on Milling Recovery and Grain Quality of Aromatic Rice in Different Rice Production Systems. Agronomy, 2020, 10, 1841.	3.0	14
26	Zinc-Induced Effects on Productivity, Zinc Use Efficiency, and Grain Biofortification of Bread Wheat under Different Tillage Permutations. Agronomy, 2020, 10, 1566.	3.0	41
27	Iron Nutrition Improves Productivity, Profitability, and Biofortification of Bread Wheat under Conventional and Conservation Tillage Systems. Journal of Soil Science and Plant Nutrition, 2020, 20, 1298-1310.	3.4	21
28	Biofortification of Rice with Iron and Zinc: Progress and Prospects. , 2020, , 605-627.		6
29	Lead toxicity in plants: Impacts and remediation. Journal of Environmental Management, 2019, 250, 109557.	7.8	255
30	A global perspective on the biology, impact and management of Chenopodium album and Chenopodium murale: two troublesome agricultural and environmental weeds. Environmental Science and Pollution Research, 2019, 26, 5357-5371.	5.3	28
31	MANGANESE NUTRITION IMPROVES THE PRODUCTIVITY AND GRAIN BIOFORTIFICATION OF BREAD WHEAT IN ALKALINE CALCAREOUS SOIL. Experimental Agriculture, 2018, 54, 744-754.	0.9	30
32	Application of zinc improves the productivity and biofortification of fine grain aromatic rice grown in dry seeded and puddled transplanted production systems. Field Crops Research, 2018, 216, 53-62.	5.1	93
33	Optimizing Row Spacing for Direct Seeded Aerobic Rice under Dry and Moist Fields. Pakistan Journal of Agricultural Research, 2018, 31, .	0.2	3
34	Manganese nutrition improves the productivity and grain biofortification of fine grain aromatic rice in conventional and conservation production systems. Paddy and Water Environment, 2017, 15, 563-572.	1.8	13
35	Heat stress in grain legumes during reproductive and grain-filling phases. Crop and Pasture Science, 2017, 68, 985.	1.5	70
36	LIGHT INTERCEPTION, RADIATION USE EFFICIENCY AND BIOMASS ACCUMULATION RESPONSE OF MAIZE TO INTEGRATED NUTRIENT MANAGEMENT UNDER DROUGHT STRESS CONDITIONS. Turkish Journal of Field Crops, 0, , .	0.8	3