

Shahbaz Khan

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,325
citations

361296

20
h-index

414303

32
g-index

63
all docs

63
docs citations

63
times ranked

1325
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Drought-Tolerant Transgenic Wheat: Achievements and Limitations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3350.	1.8	70
2	Biofortification with Zinc and Iron Improves the Grain Quality and Yield of Wheat Crop. <i>International Journal of Plant Production</i> , 2020, 14, 501-510.	1.0	69
3	Application of CSM-CROPGRO-Cotton model for cultivars and optimum planting dates: Evaluation in changing semi-arid climate. <i>Field Crops Research</i> , 2019, 238, 139-152.	2.3	67
4	Alteration in yield and oil quality traits of winter rapeseed by lodging at different planting density and nitrogen rates. <i>Scientific Reports</i> , 2018, 8, 634.	1.6	63
5	Simulated CSM-CROPGRO-cotton yield under projected future climate by SimCLIM for southern Punjab, Pakistan. <i>Agricultural Systems</i> , 2018, 167, 213-222.	3.2	63
6	Optimization of Nitrogen Rate and Planting Density for Improving Yield, Nitrogen Use Efficiency, and Lodging Resistance in Oilseed Rape. <i>Frontiers in Plant Science</i> , 2017, 8, 532.	1.7	56
7	Effects of tillage practices on water consumption and grain yield of dryland winter wheat under different precipitation distribution in the loess plateau of China. <i>Soil and Tillage Research</i> , 2019, 191, 66-74.	2.6	56
8	Zinc finger protein transcription factors: Integrated line of action for plant antimicrobial activity. <i>Microbial Pathogenesis</i> , 2019, 132, 141-149.	1.3	55
9	Role of sepiolite for cadmium (Cd) polluted soil restoration and spinach growth in wastewater irrigated agricultural soil. <i>Journal of Environmental Management</i> , 2020, 258, 110020.	3.8	53
10	Methods of Selenium Application Differentially Modulate Plant Growth, Selenium Accumulation and Speciation, Protein, Anthocyanins and Concentrations of Mineral Elements in Purple-Grained Wheat. <i>Frontiers in Plant Science</i> , 2020, 11, 1114.	1.7	45
11	Growth promoting potential of fresh and stored <i>Moringa oleifera</i> leaf extracts in improving seedling vigor, growth and productivity of wheat crop. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27601-27612.	2.7	44
12	Brassinosteroids: Molecular and physiological responses in plant growth and abiotic stresses. <i>Plant Stress</i> , 2021, 2, 100029.	2.7	43
13	Moringa leaf extract improves biochemical attributes, yield and grain quality of rice (<i>Oryza sativa</i> L.) under drought stress. <i>PLoS ONE</i> , 2021, 16, e0254452.	1.1	42
14	Mechanisms and Adaptation Strategies to Improve Heat Tolerance in Rice. A Review. <i>Plants</i> , 2019, 8, 508.	1.6	37
15	Effects of Organic and Inorganic Passivators on the Immobilization of Cadmium in Contaminated Soils: A Review. <i>Environmental Engineering Science</i> , 2019, 36, 986-998.	0.8	32
16	Interactive effect of gibberellic acid and NPK fertilizer combinations on ramie yield and bast fibre quality. <i>Scientific Reports</i> , 2017, 7, 10647.	1.6	29
17	Impact of chelator-induced phytoextraction of cadmium on yield and ionic uptake of maize. <i>International Journal of Phytoremediation</i> , 2017, 19, 505-513.	1.7	29
18	Long-Term Effect of Heavy Metalâ€“Polluted Wastewater Irrigation on Physiological and Ecological Parameters of <i>Salicornia europaea</i> L.. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1574-1587.	1.7	26

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19	Effect of Water Stress on Grain Yield and Physiological Characters of Quinoa Genotypes. <i>Agronomy</i> , 2021, 11, 1934.	1.3	26
20	Screening of Moringa Landraces for Leaf Extract as Biostimulant in Wheat. <i>International Journal of Agriculture and Biology</i> , 2017, 19, 999-1006.	0.2	26
21	Subsoiling and Sowing Time Influence Soil Water Content, Nitrogen Translocation and Yield of Dryland Winter Wheat. <i>Agronomy</i> , 2019, 9, 37.	1.3	22
22	Chelators induced uptake of cadmium and modulation of water relation, antioxidants, and photosynthetic traits of maize. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17577-17590.	2.7	20
23	Application of Moringa Leaf Extract as a Seed Priming Agent Enhances Growth and Physiological Attributes of Rice Seedlings Cultivated under Water Deficit Regime. <i>Plants</i> , 2022, 11, 261.	1.6	20
24	The response of transgenic Brassica species to salt stress: a review. <i>Biotechnology Letters</i> , 2018, 40, 1159-1165.	1.1	19
25	Application of Zinc and Iron-Based Fertilizers Improves the Growth Attributes, Productivity, and Grain Quality of Two Wheat (<i>Triticum aestivum</i>) Cultivars. <i>Frontiers in Nutrition</i> , 2021, 8, 779595.	1.6	17
26	Defensive Impact of Foliar Applied Potassium Nitrate on Growth Linked with Improved Physiological and Antioxidative Activities in Sunflower (<i>Helianthus annuus</i> L.) Hybrids Grown under Salinity Stress. <i>Agronomy</i> , 2021, 11, 2076.	1.3	16
27	Optimizing planting geometry for barley-Egyptian clover intercropping system in semi-arid sub-tropical climate. <i>PLoS ONE</i> , 2020, 15, e0233171.	1.1	14
28	Mitigation of Drought Stress and Yield Improvement in Wheat by Zinc Foliar Spray Relates to Enhanced Water Use Efficiency and Zinc Contents. <i>International Journal of Plant Production</i> , 2021, 15, 377-389.	1.0	14
29	Effective Role of Biochar, Zeolite and Steel Slag on Leaching Behavior of Cd and Its Fractionations in Soil Column Study. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 102, 567-572.	1.3	13
30	Soaking seeds of winter rapeseed with Quizalofop-P-Ethyl alters plant growth and improves yield in a rice-rapeseed cropping system. <i>Field Crops Research</i> , 2017, 208, 11-17.	2.3	12
31	Potential of zinc seed treatment in improving stand establishment, phenology, yield and grain biofortification of wheat. <i>Journal of Plant Nutrition</i> , 2019, 42, 1676-1692.	0.9	12
32	Determining optimal nitrogen input rate on the base of fallow season precipitation to achieve higher crop water productivity and yield. <i>Agricultural Water Management</i> , 2021, 246, 106689.	2.4	12
33	Impact of different tillage practices on soil physical properties, nitrate leaching and yield attributes of maize (<i>Zea mays</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2017, , 0-0.	1.7	11
34	Crosstalk Between Plant miRNA and Heavy Metal Toxicity. , 2019, , 145-168.		11
35	Inorganic fertilization improves quality and biomass of Moringa oleifera L. <i>Agroforestry Systems</i> , 2020, 94, 975-983.	0.9	11
36	The <i>Salicornia europaea</i> potential for phytoremediation of heavy metals in the soils under different times of wastewater irrigation in northwestern Iran. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47605-47618.	2.7	11

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37	Soil water consumption, water use efficiency and winter wheat production in response to nitrogen fertilizer and tillage. PeerJ, 2020, 8, e8892.	0.9	11
38	Effects of Fertilization on Ramie (<i>Boehmeria nivea</i> L.) Growth, Yield and Fiber Quality. Sustainability, 2016, 8, 887.	1.6	10
39	Ridgeâ€fallow and filmâ€mulching sowing practices enhance enzyme activity and alter fungi communities. Agronomy Journal, 2020, 112, 4775-4787.	0.9	10
40	Impact of natural and synthetic growth enhancers on the productivity and yield of quinoa (<i>Chenopodium quinoa</i> Willd.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 T Agronomy and Crop Science, 0, .	1.7	10
41	Exogenous Application of Biostimulants and Synthetic Growth Promoters Improved the Productivity and Grain Quality of Quinoa Linked with Enhanced Photosynthetic Pigments and Metabolomics. Agronomy, 2021, 11, 2302.	1.3	10
42	Boron fertilization improves seed yield and harvest index of <i>Camelina sativa</i> L. by affecting source-sink. Journal of Plant Nutrition, 2016, 39, 1681-1687.	0.9	9
43	Exogenous application of moringa leaf extract improves growth, biochemical attributes, and productivity of late-sown quinoa. PLoS ONE, 2021, 16, e0259214.	1.1	9
44	Foliar application of potassium and moringa leaf extract improves growth, physiology and productivity of kabuli chickpea grown under varying sowing regimes. PLoS ONE, 2022, 17, e0263323.	1.1	9
45	Impact of urea and farm yard manure on nitrate concentration in soil profile and productivity of wheat crop. Journal of Plant Nutrition, 2018, 41, 2683-2691.	0.9	8
46	Impact of Natural and Synthetic Plant Stimulants on Moringa Seedlings Grown under Low-Temperature Conditions. International Letters of Natural Sciences, 0, 76, 50-59.	1.0	7
47	Application of natural and synthetic growth promoters improves the productivity and quality of quinoa crop through enhanced photosynthetic and antioxidant activities. Plant Physiology and Biochemistry, 2022, 182, 1-10.	2.8	7
48	Success of transgenic cotton (<i>Gossypium hirsutum</i> L.): Fiction or reality?. Cogent Food and Agriculture, 2016, 2, .	0.6	6
49	Assessment of Environment-friendly Usage of Spent Wash and its Nutritional Potential for Sugarcane Production. Communications in Soil Science and Plant Analysis, 2019, 50, 1239-1249.	0.6	6
50	Foliar feeding of boron improves the productivity of cotton cultivars with enhanced boll retention percentage. Journal of Plant Nutrition, 2020, 43, 2411-2424.	0.9	6
51	Characterizing Differences in Soil Water Content and Wheat Yield in Response to Tillage and Precipitation in the Dry, Normal, and Wet Years at the Loess Plateau. International Journal of Plant Production, 2021, 15, 655-668.	1.0	6
52	Nitrogen Fertilization and Precipitation Affected Wheat Nitrogen Use Efficiency and Yield in the Semiarid Region of the Loess Plateau in China. Journal of Soil Science and Plant Nutrition, 2022, 22, 585-596.	1.7	6
53	nirS-type denitrifying bacterial communities in relation to soil physicochemical conditions and soil depths of two montane riparian meadows in North China. Environmental Science and Pollution Research, 2020, 27, 28899-28911.	2.7	5
54	Potential soil moisture deficit: A useful approach to save water with enhanced growth and productivity of wheat crop. Journal of Water and Climate Change, 2021, 12, 2515-2525.	1.2	5

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55	Optimizing the Wheat Seeding Rate for Wide-Space Sowing to Improve Yield and Water and Nitrogen Utilization. International Journal of Plant Production, 2021, 15, 553-562.	1.0	5
56	Association of Her-2 Expression and Clinicopathological Parameters in Colorectal Carcinoma in Indian Population. Open Access Macedonian Journal of Medical Sciences, 2019, 7, 6-11.	0.1	5
57	COORDINATED IMPROVEMENT OF GRAIN YIELD AND PROTEIN CONTENT IN DRYLAND WHEAT BY SUBSOILING AND OPTIMUM PLANTING DENSITY. Applied Ecology and Environmental Research, 2018, 16, 7847-7866.	0.2	3
58	Soil fertility, chemical properties, and pollutant removal efficiency of <i>Salicornia europaea</i> in response to different times and duration of wastewater irrigation. Environmental Monitoring and Assessment, 2021, 193, 360.	1.3	2
59	Nitrogenous Fertilizer Coated With Zinc Improves the Productivity and Grain Quality of Rice Grown Under Anaerobic Conditions. Frontiers in Plant Science, 0, 13, .	1.7	2
60	Zinc coated urea enhanced the growth and quality of rice cultivated under aerobic and anaerobic culture. Journal of Plant Nutrition, 0, , 1-16.	0.9	1
61	EXPLORATION OF SOIL MICROBIAL DIVERSITY IN RHIZOSPHERE OF SOME TRITICEAE SPECIES IN SHANXI, CHINA. Applied Ecology and Environmental Research, 2018, 16, 5933-5954.	0.2	0
62	Integrated Usage of Farm Yard Manure and Urea Improves Wheat Yield and Soil Properties. International Letters of Natural Sciences, 0, 80, 25-33.	1.0	0