Hafeez ur Rehman

List of Publications by Citations

57 papers	2,037 citations	23 h-index	44 g-index
61 ext. papers	2,546 ext. citations	3.3 avg, IF	5.09 L-index

#	Paper	IF	Citations
57	Rice direct seeding: Experiences, challenges and opportunities. *Soil and Tillage Research*, **2011**, 111, 87-98	6.5	291
56	Nanotechnology in agriculture: Current status, challenges and future opportunities. *Science of the Total Environment*, **2020**, 721, 137778	10.2	226
55	Chilling Tolerance in Hybrid Maize Induced by Seed Priming with Salicylic Acid. *Journal of Agronomy and Crop Science*, **2008**, 194, 161-168	3.9	140
54	Zinc nutrition in rice production systems: a review. *Plant and Soil*, **2012**, 361, 203-226	4.2	118
53	Seed Priming Enhances the Performance of Late Sown Wheat (Triticum aestivum L.) by Improving Chilling Tolerance. *Journal of Agronomy and Crop Science*, **2008**, 194, 55-60	3.9	107
52	Exogenous application of moringa leaf extract modulates the antioxidant enzyme system to improve wheat performance under saline conditions. *Plant Growth Regulation*, **2013**, 69, 225-233	3.2	106
51	Exogenously Applied Nitric Oxide Enhances the Drought Tolerance in Fine Grain Aromatic Rice (Oryza sativa L.). *Journal of Agronomy and Crop Science*, **2009**, 195, 254-261	3.9	94
50	Glycinebetaine Improves Chilling Tolerance in Hybrid Maize. *Journal of Agronomy and Crop Science*, **2008**, 194, 152-160	3.9	85
49	Seed priming in field crops: potential benefits, adoption and challenges. *Crop and Pasture Science*, **2019**, 70, 731	2.2	70
48	Seed Priming with Selenium: Consequences for Emergence, Seedling Growth, and Biochemical Attributes of Rice. *Biological Trace Element Research*, **2015**, 166, 236-44	4.5	69
47	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	5.1	54
46	Magnesium and organic biostimulant integrative application induces physiological and biochemical changes in sunflower plants and its harvested progeny on sandy soil. *Plant Physiology and Biochemistry*, **2018**, 126, 97-105	5.4	47
45	Seed priming improves early seedling vigor, growth and productivity of spring maize. *Journal of Integrative Agriculture*, **2015**, 14, 1745-1754	3.2	41
44	Priming with moringa leaf extract reduces imbibitional chilling injury in spring maize. *Seed Science and Technology*, **2012**, 40, 271-276	0.6	41
43	Seed Priming Influence on Early Crop Growth, Phenological Development and Yield Performance of Linola (Linum usitatissimum L.). *Journal of Integrative Agriculture*, **2014**, 13, 990-996	3.2	35
42	Comparison of conventional and conservation rice-wheat systems in Punjab, Pakistan. *Soil and Tillage Research*, **2017**, 169, 35-43	6.5	34
41	Morphological and physiological response of tomato (Solanum lycopersicum L.) to natural and synthetic cytokinin sources: a comparative study. *Acta Physiologiae Plantarum*, **2014**, 36, 3147-3155	2.6	28

40	Growth promoting potential of fresh and stored Moringa oleifera leaf extracts in improving seedling vigor, growth and productivity of wheat crop. *Environmental Science and Pollution Research*, **2017**, 24, 27601-27612	5.1	26
39	Sulphur application improves the growth, seed yield and oil quality of canola. *Acta Physiologiae Plantarum*, **2013**, 35, 2999-3006	2.6	26
38	Evaluating surface drying and re-drying for wheat seed priming with polyamines: effects on emergence, early seedling growth and starch metabolism. *Acta Physiologiae Plantarum*, **2011**, 33, 1707-1713	2.6	26
37	Seed Priming with Polyamines Improves the Germination and Early Seedling Growth in Fine Rice. *Journal of New Seeds*, **2008**, 9, 145-155		25
36	Direct Seeding in Rice: Problems and Prospects **2019**, 199-222		24
35	Paclobutrazol improves salt tolerance in quinoa: Beyond the stomatal and biochemical interventions. *Journal of Agronomy and Crop Science*, **2017**, 203, 315-322	3.9	23
34	Hydrogen peroxide application improves quinoa performance by affecting physiological and biochemical mechanisms under water-deficit conditions. *Journal of Agronomy and Crop Science*, **2018**, 204, 541-553	3.9	21
33	Sequenced application of glutathione as an antioxidant with an organic biostimulant improves physiological and metabolic adaptation to salinity in wheat. *Plant Physiology and Biochemistry*, **2021** , 158, 43-52	5.4	21
32	Supplementing organic biostimulants into growing media enhances growth and nutrient uptake of tomato transplants. *Scientia Horticulturae*, **2016**, 203, 192-198	4.1	17
31	Influence of Seed Priming on Performance and Water Productivity of Direct Seeded Rice in Alternating Wetting and Drying. *Rice Science*, **2015**, 22, 189-196	3.8	16
30	Seed Priming Improves the Performance of Late Sown Spring Maize (Zea mays) Through Better Crop Stand and Physiological Attributes. *International Journal of Agriculture and Biology*, **2015**, 17, 491-498	1.5	15
29	Time Course Changes in pH, Electrical Conductivity and Heavy Metals (Pb, Cr) of Wastewater Using Moringa oleifera Lam. Seed and Alum, a Comparative Evaluation. *Journal of Applied Research and Technology*, **2014**, 12, 560-567	1.7	14
28	Soil drenching of paclobutrazol: An efficient way to improve quinoa performance under salinity. *Physiologia Plantarum*, **2019**, 165, 219-231	4.6	13
27	Moringa leaf and sorghum water extracts and salicylic acid to alleviate impacts of heat stress in wheat. *South African Journal of Botany*, **2020**, 129, 169-174	2.9	12
26	Incorporation of rice straw mitigates CH4 and N2O emissions in water saving paddy fields of Central Vietnam. *Archives of Agronomy and Soil Science*, **2019**, 65, 113-124	2	11
25	Allelopathic activity and chemical constituents of walnut (Juglans regia) leaf litter in walnut-winter vegetable agroforestry system. *Natural Product Research*, **2014**, 28, 2017-20	2.3	11
24	Potash Use for Sustainable Crop Production in Pakistan: A Review. *International Journal of Agriculture and Biology*, **2017**, 19, 381-390	1.5	11
23	Exogenous glycinebetaine application improves yield under water-limited conditions in hybrid sunflower. *Archives of Agronomy and Soil Science*, **2008**, 54, 557-567	2	10

22	Moringa Leaf Extract Improves Wheat Growth and Productivity by Affecting Senescence and Source-sink Relationship. *International Journal of Agriculture and Biology*, **2017**, 19, 479-484	1.5	10
21	Salicylic Acid and Calcium Signaling Induce Physiological and Phytochemical Changes to Improve Salinity Tolerance in Red Amaranth (Amaranthus tricolor L.). *Journal of Soil Science and Plant Nutrition*, **2020**, 20, 1759-1769	3.2	10
20	Evaluation of Physiological and Morphological Traits for Improving Spring Wheat Adaptation to Terminal Heat Stress. *Plants*, **2021**, 10,	4.5	9
19	Biomass Production and Nutritional Composition of Moringa oleifera under Different Cutting Frequencies and Planting Spacings. *International Journal of Agriculture and Biology*, **2015**, 17, 1055-1060	1.5	8
18	Exploring the potential of Moringa oleifera leaf extract (MLE) as a seed priming agent in improving wheat performance		8
17	Improving heat stress tolerance in late planted spring maize by using different exogenous elicitors. *Chilean Journal of Agricultural Research*, **2020**, 80, 30-40	1.9	8
16	Recent Advances in Seed Enhancements **2016**,		8
15	Conservation Agriculture in South Asia **2015**, 249-283		7
14	Exploring the Potential of Quinoa Accessions for Salt Tolerance in Soilless Culture. *International Journal of Agriculture and Biology*, **2017**, 19, 233-240	1.5	7
13	Effects of Lead Salts on Growth, Chlorophyll Contents and Tissue Concentration of Rice Genotypes. *International Journal of Agriculture and Biology*, **2017**, 19, 69-76	1.5	6
12	Field appraisal of seed priming to improve the growth, yield, and quality of direct seeded rice		6
11	Synergistic consequences of salinity and potassium deficiency in quinoa: Linking with stomatal patterning, ionic relations and oxidative metabolism. *Plant Physiology and Biochemistry*, **2021**, 159, 17-27	5.4	6
10	Perspectives of folate biofortification of cereal grains. *Journal of Plant Nutrition*, **2018**, 41, 2507-2524	2.3	6
9	Moringa landraces of Pakistan are potential source of premium quality oil. *South African Journal of Botany*, **2020**, 129, 397-403	2.9	5
8	Boron fertilization improves seed yield and harvest index of Camelina sativa L. by affecting source-sink. *Journal of Plant Nutrition*, **2016**, 39, 1681-1687	2.3	5
7	Irrigation and Zn fertilizer management improves Zn phyto-availability in various rice production systems. *Journal of Plant Nutrition and Soil Science*, **2018**, 181, 374-381	2.3	4
6	Efficiency of Zinc and Phosphorus Applied to Open-pollinated and Hybrid Cultivars of Maize. *International Journal of Agriculture and Biology*, **2016**, 18, 1249-1255	1.5	4
5	Physiological and biochemical changes during hermetic storage of Moringa oleifera seeds. *South African Journal of Botany*, **2020**, 129, 435-441	2.9	3

List of Publications

4	Influence of phosphorus application on growth, yield and oil quality of linola. *Journal of Plant Nutrition*, **2016**, 39, 856-865	2.3	3
3	Progress and Prospects for Micronutrient Biofortification in Rice/Wheat **2018**, 261-278		3
2	Potash use in aerobic production system for basmati rice may expand its adaptability as an alternative to flooded rice production system. *Journal of Soil Science and Plant Nutrition*, **2017**, 0-0	3.2	1
1	Rice Seed and Seedling Priming **2022**, 43-57		