Ghulam Jilani

List of Publications by Year in Descending Order

65 papers	1,993 citations	25 h-index	44 g-index
67 ext. papers	2,401 ext. citations	5.3 avg, IF	4.6 L-index

#	Paper	IF	Citations
65	Exposure of cherry radish (Raphanus sativus L. var. Radculus Pers) to iron-based nanoparticles enhances its nutritional quality by trigging the essential elements.. *NanoImpact*, **2022**, 25, 100388	5.6	1
64	Stress signaling convergence and nutrient crosstalk determine zinc-mediated amelioration against cadmium toxicity in rice.. *Ecotoxicology and Environmental Safety*, **2021**, 230, 113128	7	0
63	Effects of previous drying of sediment on root functional traits and rhizoperformance of emerged macrophytes. *Frontiers of Environmental Science and Engineering*, **2021**, 15, 1	5.8	
62	Performance and microbial community dynamics in anaerobic continuously stirred tank reactor and sequencing batch reactor (CSTR-SBR) coupled with magnesium-ammonium-phosphate (MAP)-precipitation for treating swine wastewater. *Bioresource Technology*, **2021**, 320, 124336	11	8
61	Recent advances in phytoremediation of heavy metals-contaminated soils: a review **2021**, 23-41		1
60	A critical review of the environmental impacts of manufactured nano-objects on earthworm species. *Environmental Pollution*, **2021**, 290, 118041	9.3	8
59	Bioavailability and toxicity of nanoscale/bulk rare earth oxides in soil: physiological and ultrastructural alterations in Eisenia fetida. *Environmental Science: Nano*, **2021**, 8, 1654-1666	7.1	6
58	Zinc alleviates cadmium toxicity by modulating photosynthesis, ROS homeostasis, and cation flux kinetics in rice. *Environmental Pollution*, **2020**, 265, 114979	9.3	21
57	Acidithiobacillus thiooxidans IW16 and Sulfur Synergistically with Struvite Aggrandize the Phosphorus Bioavailability to Wheat in Alkaline Soil. *Journal of Soil Science and Plant Nutrition*, **2020** , 20, 95-104	3.2	5
56	Cadmium-zinc cross-talk delineates toxicity tolerance in rice via differential genes expression and physiological / ultrastructural adjustments. *Ecotoxicology and Environmental Safety*, **2020**, 190, 110076	7	20
55	New insight into the impact of biochar during vermi-stabilization of divergent biowastes: Literature synthesis and research pursuits. *Chemosphere*, **2020**, 238, 124679	8.4	20
54	Physiological and biochemical response of wheat (Triticum aestivum) to TiO nanoparticles in phosphorous amended soil: A full life cycle study. *Journal of Environmental Management*, **2020**, 263, 110365	7.9	26
53	Functional and structural roles of wiry and sturdy rooted emerged macrophytes root functional traits in the abatement of nutrients and metals. *Journal of Environmental Management*, **2019**, 249, 109330	7.9	8
52	Eisenia fetida and biochar synergistically alleviate the heavy metals content during valorization of biosolids via enhancing vermicompost quality. *Science of the Total Environment*, **2019**, 684, 597-609	10.2	24
51	Comparison of floating-bed wetland and gravel filter amended with limestone and sawdust for sewage treatment. *Environmental Science and Pollution Research*, **2019**, 26, 20400-20410	5.1	2
50	Preincubation and vermicomposting of divergent biosolids exhibit vice versa multielements stoichiometry and earthworm physiology. *Journal of Environmental Management*, **2019**, 243, 144-156	7.9	9
49	Cryptic footprints of rare earth elements on natural resources and living organisms. *Environment International*, **2019**, 127, 785-800	12.9	78

48	Exposure to nickel oxide nanoparticles insinuates physiological, ultrastructural and oxidative damage: A life cycle study on Eisenia fetida. *Environmental Pollution*, **2019**, 254, 113032	9.3	33
47	Whole-Genome Resequencing of a Worldwide Collection of Rapeseed Accessions Reveals the Genetic Basis of Ecotype Divergence. *Molecular Plant*, **2019**, 12, 30-43	14.4	91
46	Salicylic acid and kinetin mediated stimulation of salt tolerance in cucumber (Cucumis sativus L.) genotypes varying in salinity tolerance. *Horticulture Environment and Biotechnology*, **2018**, 59, 461-471	2	16
45	SugarcaneSugarbeet Intercropping Augments Cumulative Crop/Sugar Production and Financial Turnovers Under Enhanced Fertilization. *Sugar Tech*, **2018**, 20, 431-438	1.9	2
44	Respiring cellular nano-magnets. *Materials Science and Engineering C*, **2017**, 80, 526-531	8.3	3
43	The Nano-Magnetic Dancing of Bacteria Hand-in-Hand with Oxygen. *Brazilian Archives of Biology and Technology*, **2017**, 60,	1.8	3
42	Antioxidative activities and qualitative changes in gladiolus cut flowers in response to salicylic acid application. *Scientia Horticulturae*, **2016**, 210, 236-241	4.1	19
41	Balanced zinc nutrition enhances the antioxidative activities in Oriental lily cut-flower leading to improved growth and vase quality. *Scientia Horticulturae*, **2015**, 197, 644-649	4.1	7
40	Effect of gibberellic acid on the vase life and oxidative activities in senescing cut gladiolus flowers. *Plant Growth Regulation*, **2014**, 72, 89-95	3.2	41
39	Zinc augments the growth and floral attributes of gladiolus, and alleviates oxidative stress in cut flowers. *Scientia Horticulturae*, **2013**, 164, 124-129	4.1	7
38	Wheat Response to Application Methods and Levels of Nitrogen Fertilizer: I. Phenology, Growth Indices and Protein Content. *Pakistan Journal of Nutrition*, **2013**, 12, 365-370	0.3	4
37	Wheat Response to Fertilizer Application Techniques and Nitrogen Levels: II. Crop Growth and Yield Attributes. *Pakistan Journal of Nutrition*, **2013**, 12, 636-641	0.3	1
36	Chemical fertilizer and organic manure inputs in soil exhibit a vice versa pattern of microbial community structure. *Applied Soil Ecology*, **2012**, 57, 1-8	5	154
35	Optimization of struvite crystallization protocol for pretreating the swine wastewater and its impact on subsequent anaerobic biodegradation of pollutants. *Bioresource Technology*, **2012**, 116, 386-95	11	51
34	Sesame **2012**, 131-145		4
33	Evaluation of iodide and iodate for adsorption-desorption characteristics and bioavailability in three types of soil. *Biological Trace Element Research*, **2012**, 146, 262-71	4.5	27
32	Calcium invigorates the cadmium-stressed Brassica napus L. plants by strengthening their photosynthetic system. *Environmental Science and Pollution Research*, **2011**, 18, 1478-86	5.1	65
31	Ultraviolet-C mediated physiological and ultrastructural alterations in Juncus effusus L. shoots. *Acta Physiologiae Plantarum*, **2011**, 33, 481-488	2.6	9

30	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, 565-74	12.8	190
29	Restoring the Land Productivity of Eroded Land through Soil Water Conservation and Improved Fertilizer Application on Pothwar plateau in Punjab Province, Pakistan. *Plant Production Science*, **2011**, 14, 196-201	2.4	6
28	Effect of Single and Combined Use of Various Organic Amendments on Wheat Grown over Green Manured Soil: I. Growth and Yield Attributes. *Pakistan Journal of Nutrition*, **2011**, 10, 640-646	0.3	7
27	Impact of Integrated Nutrient Management on Yield and Nutrient Uptake by Maize under Rain-Fed Conditions. *Pakistan Journal of Nutrition*, **2011**, 11, 27-33	0.3	6
26	Effect of Single and Combined Use of Various Organic Amendments on Wheat Grown over Green Manured Soil: II. Nutrient Contents in Plant and Soil. *Pakistan Journal of Nutrition*, **2011**, 10, 647-652	0.3	2
25	ALLEVIATION OF CADMIUM TOXICITY IN SOYBEAN BY POTASSIUM SUPPLEMENTATION. *Journal of Plant Nutrition*, **2010**, 33, 1926-1938	2.3	24
24	Evaluating the Maturity and Quality of Solid Waste Compost through Phospholipid Fatty Acid Biomarkers **2010**, 307-310		
23	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	1.1	4
22	Integrated soil management in eroded land augments the crop yield and water-use efficiency. *Acta Agriculturae Scandinavica - Section B Soil and Plant Science*, **2010**, 60, 274-282	1.1	6
21	Model AVSWAT apropos of simulating non-point source pollution in Taihu lake basin. *Journal of Hazardous Materials*, **2010**, 174, 824-30	12.8	30
20	Integrated Plant Nutrient Management (IPNM) on Maize under Rainfed Condition. *Pakistan Journal of Nutrition*, **2010**, 9, 896-901	0.3	10
19	Isolation and characterization of Pseudomonas stutzeri QZ1 from an anoxic sulfide-oxidizing bioreactor. *Anaerobe*, **2009**, 15, 108-15	2.8	22
18	Cadmium-induced stress on the seed germination and seedling growth of Brassica napus L., and its alleviation through exogenous plant growth regulators. *Plant Growth Regulation*, **2009**, 58, 47-59	3.2	142
17	Isolation of Ochrobactrum sp.QZ2 from sulfide and nitrite treatment system. *Journal of Hazardous Materials*, **2009**, 165, 558-65	12.8	31
16	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, 1156-63	12.8	107
15	The ratio of clay content to total organic carbon content is a useful parameter to predict adsorption of the herbicide butachlor in soils. *Environmental Pollution*, **2008**, 152, 163-71	9.3	37
14	Economizing the use of nitrogen fertilizer in wheat production through enriched compost. *Renewable Agriculture and Food Systems*, **2008**, 23, 243-249	1.8	33
13	Interactive effects of cadmium and aluminum on growth and antioxidative enzymes in soybean. *Biologia Plantarum*, **2008**, 52, 165-169	2.1	70

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12	Allelochemicals: sources, toxicity and microbial transformation in soil – review. *Annals of Microbiology*, **2008**, 58, 351-357	3.2	73
11	Performance comparison of two anammox reactors: SBR and UBF. *Chemical Engineering Journal*, **2008**, 138, 224-230	14.7	77
10	Differential response of root morphology to potassium deficient stress among rice genotypes varying in potassium efficiency. *Journal of Zhejiang University: Science B*, **2008**, 9, 427-34	4.5	48
9	Interactions of cadmium and aluminum toxicity in their effect on growth and physiological parameters in soybean. *Journal of Zhejiang University: Science B*, **2007**, 8, 181-8	4.5	26
8	Enhancing crop growth, nutrients availability, economics and beneficial rhizosphere microflora through organic and biofertilizers. *Annals of Microbiology*, **2007**, 57, 177-184	3.2	89
7	Bio-conversion of organic wastes for their recycling in agriculture: an overview of perspectives and prospects. *Annals of Microbiology*, **2007**, 57, 471-479	3.2	75
6	Fractionation of lead in paddy soils and its bioavailability to rice plants. *Geoderma*, **2007**, 141, 174-180	6.7	63
5	Response of Cotton to the Synergistic Use of Fertilizers and Growth Regulators. *Asian Journal of Plant Sciences*, **2003**, 2, 974-977	0.6	
4	Effect of EM on Groundnut (Arachis hypogaea L.) Growth. *Pakistan Journal of Biological Sciences*, **2000**, 3, 1803-1804	0.8	2
3	Rice and wheat production in Pakistan with Effective Microorganisms. *Renewable Agriculture and Food Systems*, **1999**, 14, 30-36		32
2	Transition from conventional to alternative agriculture in Pakistan: The role of green manures in substituting for inorganic N fertilizers in a rice-wheat farming system. *Renewable Agriculture and Food Systems*, **1995**, 10, 133-137		6
1	An integrated approach to quantifying the efficiency of plants and algae in water purification and bioethanol production. *Biomass Conversion and Biorefinery*,1	2.3	1