

Ghulam Jilani

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Insights into cadmium induced physiological and ultra-structural disorders in <i>Juncus effusus</i> L. and its remediation through exogenous citric acid. <i>Journal of Hazardous Materials</i> , 2011 , 186, 565-74 | 12.8 | 190 |
| 64 | Chemical fertilizer and organic manure inputs in soil exhibit a vice versa pattern of microbial community structure. <i>Applied Soil Ecology</i> , 2012 , 57, 1-8 | 5 | 154 |
| 63 | Cadmium-induced stress on the seed germination and seedling growth of <i>Brassica napus</i> L., and its alleviation through exogenous plant growth regulators. <i>Plant Growth Regulation</i> , 2009 , 58, 47-59 | 3.2 | 142 |
| 62 | Citric acid enhances the phytoextraction of manganese and plant growth by alleviating the ultrastructural damages in <i>Juncus effusus</i> L. <i>Journal of Hazardous Materials</i> , 2009 , 170, 1156-63 | 12.8 | 107 |
| 61 | Whole-Genome Resequencing of a Worldwide Collection of Rapeseed Accessions Reveals the Genetic Basis of Ecotype Divergence. <i>Molecular Plant</i> , 2019 , 12, 30-43 | 14.4 | 91 |
| 60 | Enhancing crop growth, nutrients availability, economics and beneficial rhizosphere microflora through organic and biofertilizers. <i>Annals of Microbiology</i> , 2007 , 57, 177-184 | 3.2 | 89 |
| 59 | Cryptic footprints of rare earth elements on natural resources and living organisms. <i>Environment International</i> , 2019 , 127, 785-800 | 12.9 | 78 |
| 58 | Performance comparison of two anammox reactors: SBR and UBF. <i>Chemical Engineering Journal</i> , 2008 , 138, 224-230 | 14.7 | 77 |
| 57 | Bio-conversion of organic wastes for their recycling in agriculture: an overview of perspectives and prospects. <i>Annals of Microbiology</i> , 2007 , 57, 471-479 | 3.2 | 75 |
| 56 | Allelochemicals: sources, toxicity and microbial transformation in soil – review. <i>Annals of Microbiology</i> , 2008 , 58, 351-357 | 3.2 | 73 |
| 55 | Interactive effects of cadmium and aluminum on growth and antioxidative enzymes in soybean. <i>Biologia Plantarum</i> , 2008 , 52, 165-169 | 2.1 | 70 |
| 54 | Calcium invigorates the cadmium-stressed <i>Brassica napus</i> L. plants by strengthening their photosynthetic system. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 1478-86 | 5.1 | 65 |
| 53 | Fractionation of lead in paddy soils and its bioavailability to rice plants. <i>Geoderma</i> , 2007 , 141, 174-180 | 6.7 | 63 |
| 52 | Optimization of struvite crystallization protocol for pretreating the swine wastewater and its impact on subsequent anaerobic biodegradation of pollutants. <i>Bioresource Technology</i> , 2012 , 116, 386-95 ¹¹ | | 51 |
| 51 | Differential response of root morphology to potassium deficient stress among rice genotypes varying in potassium efficiency. <i>Journal of Zhejiang University: Science B</i> , 2008 , 9, 427-34 | 4.5 | 48 |
| 50 | Effect of gibberellic acid on the vase life and oxidative activities in senescing cut gladiolus flowers. <i>Plant Growth Regulation</i> , 2014 , 72, 89-95 | 3.2 | 41 |
| 49 | The ratio of clay content to total organic carbon content is a useful parameter to predict adsorption of the herbicide butachlor in soils. <i>Environmental Pollution</i> , 2008 , 152, 163-71 | 9.3 | 37 |

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|----|--|------|----|
| 48 | Exposure to nickel oxide nanoparticles insinuates physiological, ultrastructural and oxidative damage: A life cycle study on Eisenia fetida. <i>Environmental Pollution</i> , 2019 , 254, 113032 | 9.3 | 33 |
| 47 | Economizing the use of nitrogen fertilizer in wheat production through enriched compost. <i>Renewable Agriculture and Food Systems</i> , 2008 , 23, 243-249 | 1.8 | 33 |
| 46 | Rice and wheat production in Pakistan with Effective Microorganisms. <i>Renewable Agriculture and Food Systems</i> , 1999 , 14, 30-36 | | 32 |
| 45 | Isolation of Ochrobactrum sp.QZ2 from sulfide and nitrite treatment system. <i>Journal of Hazardous Materials</i> , 2009 , 165, 558-65 | 12.8 | 31 |
| 44 | Model AVSWAT apropos of simulating non-point source pollution in Taihu lake basin. <i>Journal of Hazardous Materials</i> , 2010 , 174, 824-30 | 12.8 | 30 |
| 43 | Evaluation of iodide and iodate for adsorption-desorption characteristics and bioavailability in three types of soil. <i>Biological Trace Element Research</i> , 2012 , 146, 262-71 | 4.5 | 27 |
| 42 | Interactions of cadmium and aluminum toxicity in their effect on growth and physiological parameters in soybean. <i>Journal of Zhejiang University: Science B</i> , 2007 , 8, 181-8 | 4.5 | 26 |
| 41 | Physiological and biochemical response of wheat (Triticum aestivum) to TiO nanoparticles in phosphorous amended soil: A full life cycle study. <i>Journal of Environmental Management</i> , 2020 , 263, 110365 | 7.9 | 26 |
| 40 | Eisenia fetida and biochar synergistically alleviate the heavy metals content during valorization of biosolids via enhancing vermicompost quality. <i>Science of the Total Environment</i> , 2019 , 684, 597-609 | 10.2 | 24 |
| 39 | ALLEVIATION OF CADMIUM TOXICITY IN SOYBEAN BY POTASSIUM SUPPLEMENTATION. <i>Journal of Plant Nutrition</i> , 2010 , 33, 1926-1938 | 2.3 | 24 |
| 38 | Isolation and characterization of Pseudomonas stutzeri QZ1 from an anoxic sulfide-oxidizing bioreactor. <i>Anaerobe</i> , 2009 , 15, 108-15 | 2.8 | 22 |
| 37 | Zinc alleviates cadmium toxicity by modulating photosynthesis, ROS homeostasis, and cation flux kinetics in rice. <i>Environmental Pollution</i> , 2020 , 265, 114979 | 9.3 | 21 |
| 36 | Cadmium-zinc cross-talk delineates toxicity tolerance in rice via differential genes expression and physiological / ultrastructural adjustments. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 190, 110076 | 7 | 20 |
| 35 | New insight into the impact of biochar during vermi-stabilization of divergent biowastes: Literature synthesis and research pursuits. <i>Chemosphere</i> , 2020 , 238, 124679 | 8.4 | 20 |
| 34 | Antioxidative activities and qualitative changes in gladiolus cut flowers in response to salicylic acid application. <i>Scientia Horticulturae</i> , 2016 , 210, 236-241 | 4.1 | 19 |
| 33 | Salicylic acid and kinetin mediated stimulation of salt tolerance in cucumber (Cucumis sativus L.) genotypes varying in salinity tolerance. <i>Horticulture Environment and Biotechnology</i> , 2018 , 59, 461-471 | 2 | 16 |
| 32 | Integrated Plant Nutrient Management (IPNM) on Maize under Rainfed Condition. <i>Pakistan Journal of Nutrition</i> , 2010 , 9, 896-901 | 0.3 | 10 |
| 31 | Preincubation and vermicomposting of divergent biosolids exhibit vice versa multielements stoichiometry and earthworm physiology. <i>Journal of Environmental Management</i> , 2019 , 243, 144-156 | 7.9 | 9 |

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|----|--|-----|---|
| 30 | Ultraviolet-C mediated physiological and ultrastructural alterations in <i>Juncus effusus</i> L. shoots. <i>Acta Physiologiae Plantarum</i> , 2011 , 33, 481-488 | 2.6 | 9 |
| 29 | Functional and structural roles of wiry and sturdy rooted emerged macrophytes root functional traits in the abatement of nutrients and metals. <i>Journal of Environmental Management</i> , 2019 , 249, 109330 ⁹ | 7.9 | 8 |
| 28 | 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. <i>Bioresource Technology</i> , 2021 , 320, 124336 | 11 | 8 |
| 27 | A critical review of the environmental impacts of manufactured nano-objects on earthworm species. <i>Environmental Pollution</i> , 2021 , 290, 118041 | 9.3 | 8 |
| 26 | Zinc augments the growth and floral attributes of gladiolus, and alleviates oxidative stress in cut flowers. <i>Scientia Horticulturae</i> , 2013 , 164, 124-129 | 4.1 | 7 |
| 25 | Balanced zinc nutrition enhances the antioxidative activities in Oriental lily cut-flower leading to improved growth and vase quality. <i>Scientia Horticulturae</i> , 2015 , 197, 644-649 | 4.1 | 7 |
| 24 | Effect of Single and Combined Use of Various Organic Amendments on Wheat Grown over Green Manured Soil: I. Growth and Yield Attributes. <i>Pakistan Journal of Nutrition</i> , 2011 , 10, 640-646 | 0.3 | 7 |
| 23 | Integrated soil management in eroded land augments the crop yield and water-use efficiency. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2010 , 60, 274-282 | 1.1 | 6 |
| 22 | Restoring the Land Productivity of Eroded Land through Soil Water Conservation and Improved Fertilizer Application on Pothwar plateau in Punjab Province, Pakistan. <i>Plant Production Science</i> , 2011 , 14, 196-201 | 2.4 | 6 |
| 21 | 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. <i>Renewable Agriculture and Food Systems</i> , 1995 , 10, 133-137 | | 6 |
| 20 | Impact of Integrated Nutrient Management on Yield and Nutrient Uptake by Maize under Rain-Fed Conditions. <i>Pakistan Journal of Nutrition</i> , 2011 , 11, 27-33 | 0.3 | 6 |
| 19 | Bioavailability and toxicity of nanoscale/bulk rare earth oxides in soil: physiological and ultrastructural alterations in <i>Eisenia fetida</i> . <i>Environmental Science: Nano</i> , 2021 , 8, 1654-1666 | 7.1 | 6 |
| 18 | Acidithiobacillus thiooxidans IW16 and Sulfur Synergistically with Struvite Aggrandize the Phosphorus Bioavailability to Wheat in Alkaline Soil. <i>Journal of Soil Science and Plant Nutrition</i> , 2020 , 20, 95-104 | 3.2 | 5 |
| 17 | Sesame 2012 , 131-145 | | 4 |
| 16 | Improved lentil production by utilizing genetic variability in response to phosphorus fertilization. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2010 , 60, 485-493 | 1.1 | 4 |
| 15 | Wheat Response to Application Methods and Levels of Nitrogen Fertilizer: I. Phenology, Growth Indices and Protein Content. <i>Pakistan Journal of Nutrition</i> , 2013 , 12, 365-370 | 0.3 | 4 |
| 14 | Respiring cellular nano-magnets. <i>Materials Science and Engineering C</i> , 2017 , 80, 526-531 | 8.3 | 3 |
| 13 | The Nano-Magnetic Dancing of Bacteria Hand-in-Hand with Oxygen. <i>Brazilian Archives of Biology and Technology</i> , 2017 , 60, | 1.8 | 3 |

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| 12 | Comparison of floating-bed wetland and gravel filter amended with limestone and sawdust for sewage treatment. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 20400-20410 | 5.1 | 2 |
| 11 | Effect of EM on Groundnut (<i>Arachis hypogaea</i> L.) Growth. <i>Pakistan Journal of Biological Sciences</i> , 2000 , 3, 1803-1804 | 0.8 | 2 |
| 10 | Effect of Single and Combined Use of Various Organic Amendments on Wheat Grown over Green Manured Soil: II. Nutrient Contents in Plant and Soil. <i>Pakistan Journal of Nutrition</i> , 2011 , 10, 647-652 | 0.3 | 2 |
| 9 | Sugarcane-Bugarbeet Intercropping Augments Cumulative Crop/Sugar Production and Financial Turnovers Under Enhanced Fertilization. <i>Sugar Tech</i> , 2018 , 20, 431-438 | 1.9 | 2 |
| 8 | Exposure of cherry radish (<i>Raphanus sativus</i> L. var. <i>Radculus Pers</i>) to iron-based nanoparticles enhances its nutritional quality by triggering the essential elements.. <i>NanoImpact</i> , 2022 , 25, 100388 | 5.6 | 1 |
| 7 | Wheat Response to Fertilizer Application Techniques and Nitrogen Levels: II. Crop Growth and Yield Attributes. <i>Pakistan Journal of Nutrition</i> , 2013 , 12, 636-641 | 0.3 | 1 |
| 6 | Recent advances in phytoremediation of heavy metals-contaminated soils: a review 2021 , 23-41 | | 1 |
| 5 | An integrated approach to quantifying the efficiency of plants and algae in water purification and bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 1 | 2.3 | 1 |
| 4 | Stress signaling convergence and nutrient crosstalk determine zinc-mediated amelioration against cadmium toxicity in rice.. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 230, 113128 | 7 | 0 |
| 3 | Evaluating the Maturity and Quality of Solid Waste Compost through Phospholipid Fatty Acid Biomarkers 2010 , 307-310 | | |
| 2 | Response of Cotton to the Synergistic Use of Fertilizers and Growth Regulators. <i>Asian Journal of Plant Sciences</i> , 2003 , 2, 974-977 | 0.6 | |
| 1 | Effects of previous drying of sediment on root functional traits and rhizoperformance of emerged macrophytes. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 1 | 5.8 | |