

Muhammad Saleem Arif

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.

51
papers

1,296
citations

20
h-index

35
g-index

54
ext. papers

1,759
ext. citations

5.7
avg, IF

4.73
L-index

#	Paper	IF	Citations
51	Biochar soil amendment on alleviation of drought and salt stress in plants: a critical review. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 12700-12712	5.1	217
50	Advances in microbe-assisted reclamation of heavy metal contaminated soils over the last decade: A review. <i>Journal of Environmental Management</i> , 2017 , 198, 132-143	7.9	131
49	Combined ability of chromium (Cr) tolerant plant growth promoting bacteria (PGPB) and salicylic acid (SA) in attenuation of chromium stress in maize plants. <i>Plant Physiology and Biochemistry</i> , 2016 , 108, 456-467	5.4	108
48	Copper-resistant bacteria reduces oxidative stress and uptake of copper in lentil plants: potential for bacterial bioremediation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 220-33	5.1	59
47	Estimation and characterization of gaseous pollutant emissions from agricultural crop residue combustion in industrial and household sectors of Pakistan. <i>Atmospheric Environment</i> , 2014 , 84, 189-197 ⁵³	5.3	59
46	PGPR with varied ACC-deaminase activity induced different growth and yield response in maize (<i>Zea mays</i> L.) under fertilized conditions. <i>European Journal of Soil Biology</i> , 2013 , 57, 27-34	2.9	47
45	Fresh and composted industrial sludge restore soil functions in surface soil of degraded agricultural land. <i>Science of the Total Environment</i> , 2018 , 619-620, 517-527	10.2	45
44	Co-inoculation integrated with P-enriched compost improved nodulation and growth of Chickpea (<i>Cicer arietinum</i> L.) under irrigated and rainfed farming systems. <i>Biology and Fertility of Soils</i> , 2014 , 50, 1-12	6.1	43
43	Unraveling consequences of soil micro- and nano-plastic pollution on soil-plant system: Implications for nitrogen (N) cycling and soil microbial activity. <i>Chemosphere</i> , 2020 , 260, 127578	8.4	37
42	Comparison of antioxidant enzyme activities and DNA damage in chickpea (<i>Cicer arietinum</i> L.) genotypes exposed to vanadium. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 19787-96	5.1	35
41	Approaches in Enhancing Thermotolerance in Plants: An Updated Review. <i>Journal of Plant Growth Regulation</i> , 2020 , 39, 456-480	4.7	31
40	Corn-cob-derived biochar decelerates mineralization of native and added organic matter (AOM) in organic matter depleted alkaline soil. <i>Geoderma</i> , 2017 , 294, 19-28	6.7	27
39	Associative interplay of plant growth promoting rhizobacteria (<i>Pseudomonas aeruginosa</i> QS40) with nitrogen fertilizers improves sunflower (<i>Helianthus annuus</i> L.) productivity and fertility of aridisol. <i>Applied Soil Ecology</i> , 2016 , 108, 238-247	5	25
38	Nitrogen nutrition and adaptation of glycophytes to saline environment: a review. <i>Archives of Agronomy and Soil Science</i> , 2018 , 64, 1181-1206	2	24
37	Nitrogen-enriched compost application combined with plant growth-promoting rhizobacteria (PGPR) improves seed quality and nutrient use efficiency of sunflower. <i>Journal of Plant Nutrition and Soil Science</i> , 2017 , 180, 464-473	2.3	24
36	Carbon dynamics in surface and deep soil in response to increasing litter addition rates in an agro-ecosystem. <i>Geoderma</i> , 2019 , 333, 1-9	6.7	23
35	Biofilm forming rhizobacteria enhance growth and salt tolerance in sunflower plants by stimulating antioxidant enzymes activity. <i>Plant Physiology and Biochemistry</i> , 2020 , 156, 242-256	5.4	23

34	Nitrous oxide emission from agricultural soils: Application of animal manure or biochar? A global meta-analysis. <i>Journal of Environmental Management</i> , 2021 , 285, 112170	7.9	23
33	Effect of gibberellic acid on growth, photosynthesis and antioxidant defense system of wheat under zinc oxide nanoparticle stress. <i>Environmental Pollution</i> , 2019 , 254, 113109	9.3	22
32	Lead toxicity induced phytotoxic effects on mung bean can be relegated by lead tolerant <i>Bacillus subtilis</i> (PbRB3). <i>Chemosphere</i> , 2019 , 234, 70-80	8.4	21
31	Spatial distribution of pollutant emissions from crop residue burning in the Punjab and Sindh provinces of Pakistan: uncertainties and challenges. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 16475-91	5.1	20
30	Interaction of compost additives with phosphate solubilizing rhizobacteria improved maize production and soil biochemical properties under dryland agriculture. <i>Soil and Tillage Research</i> , 2017 , 174, 70-80	6.5	19
29	5-Aminolevulinic Acid-Induced Heavy Metal Stress Tolerance and Underlying Mechanisms in Plants. <i>Journal of Plant Growth Regulation</i> , 2018 , 37, 1423-1436	4.7	18
28	A manipulative interplay between positive and negative regulators of phytohormones: A way forward for improving drought tolerance in plants. <i>Physiologia Plantarum</i> , 2021 , 172, 1269-1290	4.6	16
27	Contrasting effects of untreated textile wastewater onto the soil available nitrogen-phosphorus and enzymatic activities in aridisol. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 102	3.1	14
26	Phosphorus-Mobilizing Rhizobacterial Strain <i>Bacillus cereus</i> GS6 Improves Symbiotic Efficiency of Soybean on an Aridisol Amended with Phosphorus-Enriched Compost. <i>Pedosphere</i> , 2017 , 27, 1049-1061	5	14
25	Comparative evaluation of wheat straw and press mud biochars for Cr(VI) elimination from contaminated aqueous solution. <i>Environmental Technology and Innovation</i> , 2020 , 19, 101017	7	13
24	Tropical soils degraded by slash-and-burn cultivation can be recultivated when amended with ashes and compost. <i>Ecology and Evolution</i> , 2017 , 7, 5378-5388	2.8	13
23	Varied effects of untreated textile wastewater onto soil carbon mineralization and associated biochemical properties of a dryland agricultural soil. <i>Journal of Environmental Management</i> , 2016 , 183, 530-540	7.9	13
22	Higher biochar rate strongly reduced decomposition of soil organic matter to enhance C and N sequestration in nutrient-poor alkaline calcareous soil. <i>Journal of Soils and Sediments</i> , 2021 , 21, 148-162	3.4	13
21	Biochar potential to relegate metal toxicity effects is more soil driven than plant system: A global meta-analysis. <i>Journal of Cleaner Production</i> , 2021 , 316, 128276	10.3	13
20	Does biochar accelerate the mitigation of greenhouse gaseous emissions from agricultural soil? - A global meta-analysis. <i>Environmental Research</i> , 2021 , 202, 111789	7.9	13
19	Role of Exogenous and Endogenous Hydrogen Sulfide (HS) on Functional Traits of Plants Under Heavy Metal Stresses: A Recent Perspective. <i>Frontiers in Plant Science</i> , 2020 , 11, 545453	6.2	13
18	Spatio-temporal variations of shallow and deep well groundwater nitrate concentrations along the Indus River floodplain aquifer in Pakistan. <i>Environmental Pollution</i> , 2019 , 253, 384-392	9.3	11
17	Low C/N ratio raw textile wastewater reduced labile C and enhanced organic-inorganic N and enzymatic activities in a semiarid alkaline soil. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 3456-3469	5.1	8

16	Can Bacterial Endophytes Be Used as a Promising Bio-Inoculant for the Mitigation of Salinity Stress in Crop Plants?-A Global Meta-Analysis of the Last Decade (2011-2020). <i>Microorganisms</i> , 2021 , 9,	4.9	8
15	N-Fertilizer (Urea) Enhances the Phytoextraction of Cadmium through L. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	7
14	Soil microbial community structure and enzymatic activity along a plant cover gradient in Victoria Land (continental Antarctica). <i>Geoderma</i> , 2019 , 353, 144-151	6.7	7
13	Effects of Potassium Sulfate on Adaptability of Sugarcane Cultivars to Salt Stress under Hydroponic Conditions. <i>Journal of Plant Nutrition</i> , 2015 , 38, 2126-2138	2.3	6
12	Effects of cropping system and fertilization regime on soil phosphorous are mediated by rhizosphere-microbial processes in a semi-arid agroecosystem. <i>Journal of Environmental Management</i> , 2020 , 271, 111033	7.9	6
11	Seasonal variations of soil phosphorus and associated fertility indicators in wastewater-irrigated urban aridisol. <i>Chemosphere</i> , 2020 , 239, 124725	8.4	5
10	Can Different Salt Formulations Revert the Depressing Effect of Salinity on Maize by Modulating Plant Biochemical Attributes and Activating Stress Regulators through Improved N Supply?. <i>Sustainability</i> , 2021 , 13, 8022	3.6	5
9	Compost Amended with N Enhances Maize Productivity and Soil Properties in Semi-Arid Agriculture. <i>Agronomy Journal</i> , 2019 , 111, 2536-2544	2.2	4
8	Do soil conservation practices exceed their relevance as a countermeasure to greenhouse gases emissions and increase crop productivity in agriculture?. <i>Science of the Total Environment</i> , 2022 , 805, 150337	10.2	4
7	Evaluating the Effects of Biochar with Farmyard Manure under Optimal Mineral Fertilizing on Tomato Growth, Soil Organic C and Biochemical Quality in a Low Fertility Soil. <i>Sustainability</i> , 2021 , 13, 2652	3.6	2
6	S-Fertilizer (Elemental Sulfur) Improves the Phytoextraction of Cadmium through L.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	1
5	Alteration in soil arsenic dynamics and toxicity to sunflower (<i>Helianthus annuus</i> L.) in response to phosphorus in different textured soils. <i>Chemosphere</i> , 2022 , 287, 132406	8.4	1
4	Receptiveness of soil bacterial diversity in relation to soil nutrient transformation and canopy growth in Chinese fir monoculture influenced by varying stand density. <i>Trees - Structure and Function</i> ,1	2.6	1
3	Abandoned agriculture soil can be recultivated by promoting biological phosphorus fertility when amended with nano-rock phosphate and suitable bacterial inoculant.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 234, 113385	7	1
2	Interactive effect of different salinity sources and their formulations on plant growth, ionic homeostasis and seed quality of maize. <i>Chemosphere</i> , 2021 , 132678	8.4	0
1	Suppression of amino acid and oligopeptide mineralization by organic manure addition in a semiarid environment. <i>Land Degradation and Development</i> , 2020 , 31, 1915-1925	4.4	0