Muhammad Saleem Arif

List of Publications by Year
in descending order

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53	2,302	218677	223800
papers	citations	26 h-index	46 g-index

54	54	54	2749
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochar soil amendment on alleviation of drought and salt stress in plants: a critical review. Environmental Science and Pollution Research, 2017, 24, 12700-12712.	5.3	352
2	Advances in microbe-assisted reclamation of heavy metal contaminated soils over the last decade: A review. Journal of Environmental Management, 2017, 198, 132-143.	7.8	178
3	Combined ability of chromium (Cr) tolerant plant growth promoting bacteria (PGPB) and salicylic acid (SA) in attenuation of chromium stress in maize plants. Plant Physiology and Biochemistry, 2016, 108, 456-467.	5.8	158
4	Unraveling consequences of soil micro- and nano-plastic pollution on soil-plant system: Implications for nitrogen (N) cycling and soil microbial activity. Chemosphere, 2020, 260, 127578.	8.2	106
5	Copper-resistant bacteria reduces oxidative stress and uptake of copper in lentil plants: potential for bacterial bioremediation. Environmental Science and Pollution Research, 2016, 23, 220-233.	5.3	83
6	Nitrous oxide emission from agricultural soils: Application of animal manure or biochar? A global meta-analysis. Journal of Environmental Management, 2021, 285, 112170.	7.8	76
7	Estimation and characterization of gaseous pollutant emissions from agricultural crop residue combustion in industrial and household sectors of Pakistan. Atmospheric Environment, 2014, 84, 189-197.	4.1	73
8	Fresh and composted industrial sludge restore soil functions in surface soil of degraded agricultural land. Science of the Total Environment, 2018, 619-620, 517-527.	8.0	70
9	Approaches in Enhancing Thermotolerance in Plants: An Updated Review. Journal of Plant Growth Regulation, 2020, 39, 456-480.	5.1	67
10	Does biochar accelerate the mitigation of greenhouse gaseous emissions from agricultural soil? - A global meta-analysis. Environmental Research, 2021, 202, 111789.	7.5	66
11	Biofilm forming rhizobacteria enhance growth and salt tolerance in sunflower plants by stimulating antioxidant enzymes activity. Plant Physiology and Biochemistry, 2020, 156, 242-256.	5.8	61
12	A manipulative interplay between positive and negative regulators of phytohormones: A way forward for improving drought tolerance in plants. Physiologia Plantarum, 2021, 172, 1269-1290.	5.2	61
13	Co-inoculation integrated with P-enriched compost improved nodulation and growth of Chickpea (Cicer arietinum L.) under irrigated and rainfed farming systems. Biology and Fertility of Soils, 2014, 50, 1-12.	4.3	58
14	PGPR with varied ACC-deaminase activity induced different growth and yield response in maize (Zea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	55
15	Effect of gibberellic acid on growth, photosynthesis and antioxidant defense system of wheat under zinc oxide nanoparticle stress. Environmental Pollution, 2019, 254, 113109.	7.5	55
16	Comparison of antioxidant enzyme activities and DNA damage in chickpea (Cicer arietinum L.) genotypes exposed to vanadium. Environmental Science and Pollution Research, 2016, 23, 19787-19796.	5.3	50
17	Associative interplay of plant growth promoting rhizobacteria (Pseudomonas aeruginosa QS40) with nitrogen fertilizers improves sunflower (Helianthus annuus L.) productivity and fertility of aridisol. Applied Soil Ecology, 2016, 108, 238-247.	4.3	45
18	Carbon dynamics in surface and deep soil in response to increasing litter addition rates in an agro-ecosystem. Geoderma, 2019, 333, 1-9.	5.1	42

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19	Nitrogenâ€enriched compost application combined with plant growthâ€promoting rhizobacteria (PGPR) improves seed quality and nutrient use efficiency of sunflower. Journal of Plant Nutrition and Soil Science, 2017, 180, 464-473.	1.9	40
20	Role of Exogenous and Endogenous Hydrogen Sulfide (H2S) on Functional Traits of Plants Under Heavy Metal Stresses: A Recent Perspective. Frontiers in Plant Science, 2020, 11, 545453.	3.6	38
21	Corncob-derived biochar decelerates mineralization of native and added organic matter (AOM) in organic matter depleted alkaline soil. Geoderma, 2017, 294, 19-28.	5.1	37
22	Higher biochar rate strongly reduced decomposition of soil organic matter to enhance C and N sequestration in nutrient-poor alkaline calcareous soil. Journal of Soils and Sediments, 2021, 21, 148-162.	3.0	35
23	Nitrogen nutrition and adaptation of glycophytes to saline environment: a review. Archives of Agronomy and Soil Science, 2018, 64, 1181-1206.	2.6	34
24	Lead toxicity induced phytotoxic effects on mung bean can be relegated by lead tolerant Bacillus subtilis (PbRB3). Chemosphere, 2019, 234, 70-80.	8.2	33
25	Spatial distribution of pollutant emissions from crop residue burning in the Punjab and Sindh provinces of Pakistan: uncertainties and challenges. Environmental Science and Pollution Research, 2015, 22, 16475-16491.	5.3	30
26	Biochar potential to relegate metal toxicity effects is more soil driven than plant system: A global meta-analysis. Journal of Cleaner Production, 2021, 316, 128276.	9.3	28
27	Interaction of compost additives with phosphate solubilizing rhizobacteria improved maize production and soil biochemical properties under dryland agriculture. Soil and Tillage Research, 2017, 174, 70-80.	5.6	27
28	Phosphorus-Mobilizing Rhizobacterial Strain Bacillus cereus GS6 Improves Symbiotic Efficiency of Soybean on an Aridisol Amended with Phosphorus-Enriched Compost. Pedosphere, 2017, 27, 1049-1061.	4.0	24
29	Can Bacterial Endophytes Be Used as a Promising Bio-Inoculant for the Mitigation of Salinity Stress in Crop Plants?â€"A Global Meta-Analysis of the Last Decade (2011â€"2020). Microorganisms, 2021, 9, 1861.	3.6	23
30	5-Aminolevulinic Acid-Induced Heavy Metal Stress Tolerance and Underlying Mechanisms in Plants. Journal of Plant Growth Regulation, 2018, 37, 1423-1436.	5.1	22
31	Varied effects of untreated textile wastewater onto soil carbon mineralization and associated biochemical properties of a dryland agricultural soil. Journal of Environmental Management, 2016, 183, 530-540.	7.8	18
32	Contrasting effects of untreated textile wastewater onto the soil available nitrogen-phosphorus and enzymatic activities in aridisol. Environmental Monitoring and Assessment, 2016, 188, 102.	2.7	18
33	Tropical soils degraded by slashâ€andâ€burn cultivation can be recultivated when amended with ashes and compost. Ecology and Evolution, 2017, 7, 5378-5388.	1.9	18
34	Spatio-temporal variations of shallow and deep well groundwater nitrate concentrations along the Indus River floodplain aquifer in Pakistan. Environmental Pollution, 2019, 253, 384-392.	7.5	18
35	Comparative evaluation of wheat straw and press mud biochars for Cr(VI) elimination from contaminated aqueous solution. Environmental Technology and Innovation, 2020, 19, 101017.	6.1	18
36	Do soil conservation practices exceed their relevance as a countermeasure to greenhouse gases emissions and increase crop productivity in agriculture?. Science of the Total Environment, 2022, 805, 150337.	8.0	18

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37	Effects of cropping system and fertilization regime on soil phosphorous are mediated by rhizosphere-microbial processes in a semi-arid agroecosystem. Journal of Environmental Management, 2020, 271, 111033.	7.8	15
38	N-Fertilizer (Urea) Enhances the Phytoextraction of Cadmium through Solanum nigrum L.. International Journal of Environmental Research and Public Health, 2020, 17, 3850.	2.6	15
39	Soil microbial community structure and enzymatic activity along a plant cover gradient in Victoria Land (continental Antarctica). Geoderma, 2019, 353, 144-151.	5.1	14
40	S-Fertilizer (Elemental Sulfur) Improves the Phytoextraction of Cadmium through Solanum nigrum L.. International Journal of Environmental Research and Public Health, 2022, 19, 1655.	2.6	14
41	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. Sustainability, 2021, 13, 2652.	3.2	13
42	Abandoned agriculture soil can be recultivated by promoting biological phosphorus fertility when amended with nano-rock phosphate and suitable bacterial inoculant. Ecotoxicology and Environmental Safety, 2022, 234, 113385.	6.0	13
43	Green and eco-friendly synthesis of TiO₂ nanoparticles and their application for removal of cadmium from wastewater: reaction kinetics study. Zeitschrift Fur Physikalische Chemie, 2022, 236, 637-657.	2.8	12
44	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?. Sustainability, 2021, 13, 8022.	3.2	10
45	Interactive effect of different salinity sources and their formulations on plant growth, ionic homeostasis and seed quality of maize. Chemosphere, 2022, 291, 132678.	8.2	9
46	Effects of Potassium Sulfate on Adaptability of Sugarcane Cultivars to Salt Stress under Hydroponic Conditions. Journal of Plant Nutrition, 2015, 38, 2126-2138.	1.9	8
47	Low C/N ratio raw textile wastewater reduced labile C and enhanced organic-inorganic N and enzymatic activities in a semiarid alkaline soil. Environmental Science and Pollution Research, 2017, 24, 3456-3469.	5.3	8
48	Compost Amended with N Enhances Maize Productivity and Soil Properties in Semiâ€Arid Agriculture. Agronomy Journal, 2019, 111, 2536-2544.	1.8	7
49	Seasonal variations of soil phosphorus and associated fertility indicators in wastewater-irrigated urban aridisol. Chemosphere, 2020, 239, 124725.	8.2	7
50	Alteration in soil arsenic dynamics and toxicity to sunflower (Helianthus annuus L.) in response to phosphorus in different textured soils. Chemosphere, 2022, 287, 132406.	8.2	7
51	Receptiveness of soil bacterial diversity in relation to soil nutrient transformation and canopy growth in Chinese fir monoculture influenced by varying stand density. Trees - Structure and Function, 2022, 36, 1149-1160.	1.9	7
52	Phosphorus Fertilizers Enhance the Phytoextraction of Cadmium through Solanum nigrum L.. Plants, 2022, 11, 236.	3.5	6
53	Suppression of amino acid and oligopeptide mineralization by organic manure addition in a semiarid environment. Land Degradation and Development, 2020, 31, 1915-1925.	3.9	1