

Muhammad Saleem Arif

List of Publications by Year in descending order

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53
papers

2,302
citations

218677

26
h-index

223800

46
g-index

54
all docs

54
docs citations

54
times ranked

2749
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.2	7
2	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.	8.0	18
3	Interactive effect of different salinity sources and their formulations on plant growth, ionic homeostasis and seed quality of maize. <i>Chemosphere</i> , 2022, 291, 132678.	8.2	9
4	S-Fertilizer (Elemental Sulfur) Improves the Phytoextraction of Cadmium through <i>Solanum nigrum</i> L.. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1655.	2.6	14
5	Phosphorus Fertilizers Enhance the Phytoextraction of Cadmium through <i>Solanum nigrum</i> L.. <i>Plants</i> , 2022, 11, 236.	3.5	6
6	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> , 2022, 36, 1149-1160.	1.9	7
7	Green and eco-friendly synthesis of TiO ₂ nanoparticles and their application for removal of cadmium from wastewater: reaction kinetics study. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022, 236, 637-657.	2.8	12
8	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.	6.0	13
9	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.	3.0	35
10	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.	5.2	61
11	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.	3.2	13
12	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.	7.8	76
13	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.	3.2	10
14	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.	9.3	28
15	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). <i>Microorganisms</i> , 2021, 9, 1861.	3.6	23
16	Does biochar accelerate the mitigation of greenhouse gaseous emissions from agricultural soil? - A global meta-analysis. <i>Environmental Research</i> , 2021, 202, 111789.	7.5	66
17	Approaches in Enhancing Thermotolerance in Plants: An Updated Review. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 456-480.	5.1	67
18	Seasonal variations of soil phosphorus and associated fertility indicators in wastewater-irrigated urban aridisol. <i>Chemosphere</i> , 2020, 239, 124725.	8.2	7

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19	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.	3.9	1
20	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.	5.8	61
21	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.	7.8	15
22	N-Fertilizer (Urea) Enhances the Phytoextraction of Cadmium through <i>Solanum nigrum</i> L.. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3850.	2.6	15
23	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.	6.1	18
24	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.	8.2	106
25	Role of Exogenous and Endogenous Hydrogen Sulfide (H ₂ S) on Functional Traits of Plants Under Heavy Metal Stresses: A Recent Perspective. <i>Frontiers in Plant Science</i> , 2020, 11, 545453.	3.6	38
26	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.	5.1	42
27	Compost Amended with N Enhances Maize Productivity and Soil Properties in Semi-Arid Agriculture. <i>Agronomy Journal</i> , 2019, 111, 2536-2544.	1.8	7
28	Soil microbial community structure and enzymatic activity along a plant cover gradient in Victoria Land (continental Antarctica). <i>Geoderma</i> , 2019, 353, 144-151.	5.1	14
29	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.	7.5	18
30	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.	7.5	55
31	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.	8.2	33
32	Nitrogen nutrition and adaptation of glycophytes to saline environment: a review. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 1181-1206.	2.6	34
33	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.	8.0	70
34	5-Aminolevulinic Acid-Induced Heavy Metal Stress Tolerance and Underlying Mechanisms in Plants. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1423-1436.	5.1	22
35	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.	5.1	37
36	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.	7.8	178

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37	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.	5.3	352
38	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.	1.9	40
39	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.	1.9	18
40	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.	4.0	24
41	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.	5.6	27
42	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.	5.3	8
43	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.	4.3	45
44	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.	7.8	18
45	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.	5.8	158
46	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, 19787-19796.	5.3	50
47	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.	2.7	18
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, 220-233.	5.3	83
49	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.	1.9	8
50	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, 16475-16491.	5.3	30
51	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.	4.1	73
52	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.	4.3	58
53	PGPR with varied ACC-deaminase activity induced different growth and yield response in maize (<i>Zea mays</i> L.) genotypes. <i>Journal of Plant Nutrition</i> , 2014, 37, 1073-1083.	3.2	55