

Awais Shakoor

List of Publications by Year in descending order

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56
papers

1,996
citations

331259

21
h-index

276539

41
g-index

57
all docs

57
docs citations

57
times ranked

1524
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial distribution of carbon dynamics and nutrient enrichment capacity in different layers and tree tissues of <i>Castanopsis eyeri</i> natural forest ecosystem. <i>Environmental Science and Pollution Research</i> , 2022, 29, 10250-10262.	2.7	12
2	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.	4.2	7
3	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.	3.9	18
4	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.	4.2	9
5	Delineating Vanadium (V) Ecological Distribution, Its Toxicant Potential, and Effective Remediation Strategies from Contaminated Soils. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 121-139.	1.7	8
6	Melatonin Mitigates Cadmium Toxicity by Promoting Root Architecture and Mineral Homeostasis of Tomato Genotypes. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1112-1128.	1.7	44
7	Salicylic Acid Induces Vanadium Stress Tolerance in Rice by Regulating the AsA-GSH Cycle and Glyoxalase System. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1983-1999.	1.7	9
8	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.	0.9	7
9	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.	2.9	13
10	Screening of rice cultivars for Cr-stress response by using the parameters of seed germination, morpho-physiological and antioxidant analysis. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 3918-3928.	1.8	10
11	Chromium toxicity induced oxidative damage in two rice cultivars and its mitigation through external supplementation of brassinosteroids and spermine. <i>Chemosphere</i> , 2022, 302, 134423.	4.2	27
12	Seven years of pig slurry fertilization: impacts on soil chemical properties and the element content of winter barley plants. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74655-74668.	2.7	3
13	Unraveling the efficacy of nitrification inhibitors (DCD and DMPP) in reducing nitrogen gases emissions across agroecosystems: A three-decade global data synthesis (1993â€“2021). <i>Fuel</i> , 2022, 324, 124725.	3.4	11
14	Nano-hydroxyapatite modified biochar: Insights into the dynamic adsorption and performance of lead (II) removal from aqueous solution. <i>Environmental Research</i> , 2022, 214, 113827.	3.7	21
15	The nexus between meteorological parameters and COVID-19 pandemic: case of Islamabad, Pakistan. <i>Environmental Sustainability</i> , 2021, 4, 527-531.	1.4	4
16	Phytomelatonin: An overview of the importance and mediating functions of melatonin against environmental stresses. <i>Physiologia Plantarum</i> , 2021, 172, 820-846.	2.6	75
17	Effect of animal manure, crop type, climate zone, and soil attributes on greenhouse gas emissions from agricultural soilsâ€”A global meta-analysis. <i>Journal of Cleaner Production</i> , 2021, 278, 124019.	4.6	115
18	Morpho-chemical characterization and source apportionment of potentially toxic metal(oid)s from school dust of second largest populous city of Pakistan. <i>Environmental Research</i> , 2021, 196, 110427.	3.7	9

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19	Non-targeted metabolomics reveal the impact of phenanthrene stress on root exudates of ten urban greening tree species. <i>Environmental Research</i> , 2021, 196, 110370.	3.7	18
20	A global meta-analysis of greenhouse gases emission and crop yield under no-tillage as compared to conventional tillage. <i>Science of the Total Environment</i> , 2021, 750, 142299.	3.9	121
21	Intercropping of Peanut and Tea Enhances Soil Enzymatic Activity and Soil Nutrient Status at Different Soil Profiles in Subtropical Southern China. <i>Plants</i> , 2021, 10, 881.	1.6	35
22	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.	3.8	76
23	Climatological and social fallacies about COVID-19 pandemic. <i>Environmental Sustainability</i> , 2021, 4, 579-584.	1.4	1
24	Unraveling the Influence of Land-Use Change on $\delta^{13}C$, $\delta^{15}N$, and Soil Nutritional Status in Coniferous, Broadleaved, and Mixed Forests in Southern China: A Field Investigation. <i>Plants</i> , 2021, 10, 1499.	1.6	13
25	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.	1.6	10
26	Annual Growth Progression, Nutrient Transformation, and Carbon Storage in Tissues of <i>Cunninghamia lanceolata</i> Monoculture in Relation to Soil Quality Indicators Influenced by Intraspecific Competition Intensity. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3146-3158.	1.7	5
27	Enhanced adsorption of aqueous Pb(II) by modified biochar produced through pyrolysis of watermelon seeds. <i>Science of the Total Environment</i> , 2021, 784, 147136.	3.9	71
28	Adsorption of arsenic (III) from aqueous solution by a novel phosphorus-modified biochar obtained from <i>Taraxacum mongolicum</i> Hand-Mazz: Adsorption behavior and mechanistic analysis. <i>Journal of Environmental Management</i> , 2021, 292, 112764.	3.8	24
29	Influence of Intraspecific Competition Stress on Soil Fungal Diversity and Composition in Relation to Tree Growth and Soil Fertility in Sub-Tropical Soils under Chinese Fir Monoculture. <i>Sustainability</i> , 2021, 13, 10688.	1.6	13
30	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.	4.6	28
31	Development and Characterization of Efficient K-Solubilizing Rhizobacteria and Mesorhizobial Inoculants for Chickpea. <i>Sustainability</i> , 2021, 13, 10240.	1.6	5
32	Genome-wide identification and characterization of bZIP transcription factors and their expression profile under abiotic stresses in Chinese pear (<i>Pyrus bretschneideri</i>). <i>BMC Plant Biology</i> , 2021, 21, 413.	1.6	20
33	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, 1861.	1.6	23
34	Highly efficient uranium (VI) capture from aqueous solution by means of a hydroxyapatite-biochar nanocomposite: Adsorption behavior and mechanism. <i>Environmental Research</i> , 2021, 201, 111518.	3.7	70
35	A meta-analysis of photocatalytic performance and efficiency of bismuth oxide (BiO _{2-x}). <i>Journal of Cleaner Production</i> , 2021, 322, 129070.	4.6	8
36	Does biochar accelerate the mitigation of greenhouse gaseous emissions from agricultural soil? - A global meta-analysis. <i>Environmental Research</i> , 2021, 202, 111789.	3.7	66

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37	Nexus on climate change: agriculture and possible solution to cope future climate change stresses. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14211-14232.	2.7	135
38	Uptake and Accumulation of Nano/Microplastics in Plants: A Critical Review. <i>Nanomaterials</i> , 2021, 11, 2935.	1.9	128
39	Future of ammonium nitrate after Beirut (Lebanon) explosion. <i>Environmental Pollution</i> , 2020, 267, 115615.	3.7	16
40	Biogeochemical transformation of greenhouse gas emissions from terrestrial to atmospheric environment and potential feedback to climate forcing. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38513-38536.	2.7	63
41	Dynamics of canopy development of <i>Cunninghamia lanceolata</i> mid-age plantation in relation to foliar nitrogen and soil quality influenced by stand density. <i>Global Ecology and Conservation</i> , 2020, 24, e01209.	1.0	16
42	Environmental pollution and COVID-19 outbreak: insights from Germany. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 1385-1394.	1.5	83
43	Effect of Vanadium on Growth, Photosynthesis, Reactive Oxygen Species, Antioxidant Enzymes, and Cell Death of Rice. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2643-2656.	1.7	36
44	Fluctuations in environmental pollutants and air quality during the lockdown in the USA and China: two sides of COVID-19 pandemic. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 1335-1342.	1.5	95
45	Investigating the Impacts of the COVID-19 Lockdown on Trace Gases Using Ground-Based MAX-DOAS Observations in Nanjing, China. <i>Remote Sensing</i> , 2020, 12, 3939.	1.8	15
46	Rice Production Under Climate Change: Adaptations and Mitigating Strategies. , 2020, , 659-686.		29
47	INFLUENCE OF NITROGEN FERTILIZER AND STRAW RETURNING ON CH ₄ EMISSION FROM A PADDY FIELD IN CHAO LAKE BASIN, CHINA. <i>Applied Ecology and Environmental Research</i> , 2020, 18, 1585-1600.	0.2	13
48	Effect of NPK, organic manure and their combination on growth, yield and nutrient uptake of chilli (<i>Capsicum AnnumL.</i>). <i>Horticulture International Journal</i> , 2019, 3, .	0.2	8
49	Genome-Wide Analysis Characterization and Evolution of SBP Genes in <i>Fragaria vesca</i> , <i>Pyrus bretschneideri</i> , <i>Prunus persica</i> and <i>Prunus mume</i> . <i>Frontiers in Genetics</i> , 2018, 9, 64.	1.1	33
50	The Sucrose Synthase Gene Family in Chinese Pear (<i>Pyrus bretschneideri</i> Rehd.): Structure, Expression, and Evolution. <i>Molecules</i> , 2018, 23, 1144.	1.7	47
51	Effects of fertilizer application schemes and soil environmental factors on nitrous oxide emission fluxes in a rice-wheat cropping system, east China. <i>PLoS ONE</i> , 2018, 13, e0202016.	1.1	37
52	Impact of integrated application of biochar and nitrogen fertilizers on maize growth and nitrogen recovery in alkaline calcareous soil. <i>Soil Science and Plant Nutrition</i> , 2017, 63, 488-498.	0.8	65
53	Atmospheric emission of nitric oxide and processes involved in its biogeochemical transformation in terrestrial environment. <i>Environmental Science and Pollution Research</i> , 2016, , 1.	2.7	8
54	Investigating the potential influence of biochar and traditional organic amendments on the bioavailability and transfer of Cd in the soil–plant system. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	104

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55	Exogenous melatonin enhances salt stress tolerance in tomato seedlings. <i>Biologia Plantarum</i> , 0, 64, 604-615.	1.9	50
56	Variations in Litterfall Dynamics, C:N:P Stoichiometry and Associated Nutrient Return in Pure and Mixed Stands of Camphor Tree and Masson Pine Forests. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5