

Zulfiqar Ahmad

List of Publications by Year in descending order

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49
papers

1,155
citations

430442

18
h-index

414034

32
g-index

49
all docs

49
docs citations

49
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	Enterobacter sp. SWLC2 for biodegradation of chlorpyrifos in the aqueous medium: Modeling of the process using artificial neural network approaches. Computers and Electronics in Agriculture, 2022, 193, 106680.	3.7	7
2	Production, functional stability, and effect of rhamnolipid biosurfactant from Klebsiella sp. on phenanthrene degradation in various medium systems. Ecotoxicology and Environmental Safety, 2021, 207, 111514.	2.9	51
3	Bioretention for removal of nitrogen: processes, operational conditions, and strategies for improvement. Environmental Science and Pollution Research, 2021, 28, 10519-10535.	2.7	20
4	Processed animal manure improves morpho-physiological and biochemical characteristics of Brassica napus L. under nickel and salinity stress. Environmental Science and Pollution Research, 2021, 28, 45629-45645.	2.7	29
5	A hybrid machine learning approach in modeling the impact of chromium concentration in blood and gonads on the concentration of the reproductive hormones of Urva auropunctatus. Measurement: Journal of the International Measurement Confederation, 2021, 174, 109055.	2.5	2
6	Growth Responses, Physiological Alterations and Alleviation of Salinity Stress in Sunflower (Helianthus annuus L.) Amended with Gypsum and Composted Cow Dung. Sustainability, 2021, 13, 6792.	1.6	8
7	Optimization of biotic and abiotic factors liable for biodegradation of chlorpyrifos and their modeling using neural network approaches. Applied Soil Ecology, 2021, 166, 103990.	2.1	11
8	Carbon-negative and high-rate nutrient removal using mixotrophic microalgae. Bioresource Technology, 2021, 340, 125731.	4.8	12
9	A hybrid machine learning approach of fuzzy-rough-k-nearest neighbor, latent semantic analysis, and ranker search for efficient disease diagnosis. Journal of Intelligent and Fuzzy Systems, 2021, , 1-16.	0.8	3
10	Concentrations, pollution indices and health risk assessment of heavy metals in road dust from two urbanized cities of Pakistan: Comparing two sampling methods for heavy metals concentration. Sustainable Cities and Society, 2020, 53, 101959.	5.1	70
11	Land surface temperature relation with normalized satellite indices for the estimation of spatio-temporal trends in temperature among various land use land cover classes of an arid Potohar region using Landsat data. Environmental Earth Sciences, 2020, 79, 1.	1.3	83
12	Transport of engineered nanoparticles in porous media and its enhancement for remediation of contaminated groundwater. Critical Reviews in Environmental Science and Technology, 2020, 50, 2301-2378.	6.6	30
13	Formulation of Biochar-Based Phosphorus Fertilizer and Its Impact on Both Soil Properties and Chickpea Growth Performance. Sustainability, 2020, 12, 9528.	1.6	14
14	Solid-phase denitrification for water remediation: processes, limitations, and new aspects. Critical Reviews in Biotechnology, 2020, 40, 1113-1130.	5.1	31
15	Sub-CMC solubilization of n-alkanes by rhamnolipid biosurfactant: the Influence of rhamnolipid molecular structure. Colloids and Surfaces B: Biointerfaces, 2020, 192, 111049.	2.5	8
16	Machine Learning Modeling of Aerobic Biodegradation for Azo Dyes and Hexavalent Chromium. Mathematics, 2020, 8, 913.	1.1	16
17	Evaluating toxicity impacts of environmental exposed chromium on small Indian mongoose (Urva) Tj ETQq1 1 0.784314 rgBT /Overlook 259, 127485.	4.2	4
18	Dose and time-dependent response of single and combined artificial contamination of sulfamethazine and copper on soil enzymatic activities. Chemosphere, 2020, 250, 126161.	4.2	26

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19	Alleviation of Salinity Induced Oxidative Stress in <i>Chenopodium quinoa</i> by Fe Biofortification and Biochar-Endophyte Interaction. <i>Agronomy</i> , 2020, 10, 168.	1.3	19
20	Surfactant-enhanced aquifer remediation: Mechanisms, influences, limitations and the countermeasures. <i>Chemosphere</i> , 2020, 252, 126620.	4.2	58
21	Alleviation of Salinity-Induced Oxidative Stress, Improvement in Growth, Physiology and Mineral Nutrition of Canola (<i>Brassica napus</i> L.) through Calcium-Fortified Composted Animal Manure. <i>Sustainability</i> , 2020, 12, 846.	1.6	65
22	Calcium-Enriched Animal Manure Alleviates the Adverse Effects of Salt Stress on Growth, Physiology and Nutrients Homeostasis of <i>Zea mays</i> L.. <i>Plants</i> , 2019, 8, 480.	1.6	41
23	Application of Rice Grain Husk Derived Biochar in Ameliorating Toxicity Impacts of Cu and Zn on Growth, Physiology and Enzymatic Functioning of Wheat Seedlings. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 636-641.	1.3	11
24	Chronic Toxicological Effects of Carbamazepine on <i>Daphnia magna</i> Straus: Effects on Reproduction Traits, Body Length, and Intrinsic Growth. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 723-728.	1.3	13
25	New Insights into Dose- and Time-Dependent Response of Five Typical PPCPs on Soil Microbial Respiration. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 193-198.	1.3	2
26	Toxicity of enrofloxacin and cadmium alone and in combination to enzymatic activities and microbial community structure in soil. <i>Environmental Geochemistry and Health</i> , 2019, 41, 2593-2606.	1.8	18
27	Separate and joint eco-toxicological effects of sulfadimidine and copper on soil microbial biomasses and ammonification microorganisms abundances. <i>Chemosphere</i> , 2019, 228, 556-564.	4.2	26
28	Anaerobic co-digestion of catering food waste utilizing <i>Parthenium hysterophorus</i> as co-substrate for biogas production. <i>Biomass and Bioenergy</i> , 2019, 124, 74-82.	2.9	40
29	Growth Inhibiting Effects of Four Antibiotics on Cucumber, Rape and Chinese Cabbage. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 187-192.	1.3	8
30	Fuzzy-genetic approaches for estimation of microbial rock phosphate solubilization in sandy clay loam textured soil. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 125-133.	3.7	9
31	Soil microbial dynamics prediction using machine learning regression methods. <i>Computers and Electronics in Agriculture</i> , 2018, 147, 158-165.	3.7	16
32	Fuzzy inference for soil microbial dynamics modeling in fluctuating ecological situations. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 1399-1406.	0.8	4
33	Biosurfactants for Sustainable Soil Management. <i>Advances in Agronomy</i> , 2018, 150, 81-130.	2.4	16
34	Algal bioethanol production technology: A trend towards sustainable development. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 71, 976-985.	8.2	118
35	Role of Ethylene and Bacterial ACC-Deaminase in Nodulation of Legumes. , 2017, , 95-118.		2
36	Utilizing oleaginous bacteria and fungi for cleaner energy production. <i>Journal of Cleaner Production</i> , 2017, 168, 917-928.	4.6	34

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37	Characterization of a salt resistant bacterial strain <i>Proteus</i> sp. NA6 capable of decolorizing reactive dyes in presence of multi-metal stress. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 181.	1.7	19
38	Characterization and Purification of Membrane-Bound Azoreductase From Azo Dye Degrading <i>Shewanella</i> sp. Strain IFN4. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1523-1530.	0.7	20
39	Climate Change: Impacts on Carbon Sequestration, Biodiversity and Agriculture. , 2016, , 401-428.		0
40	Perspectives of using fungi as bioresource for bioremediation of pesticides in the environment: a critical review. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16904-16925.	2.7	107
41	Comparative efficacy of ANN and ANFIS models in estimating biosurfactant production produced by <i>Klebseilla</i> sp. FKOD36. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 353-363.	1.9	3
42	Performance of a two-phase biotrickling filter packed with biochar chips for treatment of wastewater containing high nitrogen and phosphorus concentrations. <i>Chemical Engineering Research and Design</i> , 2016, 102, 150-158.	2.7	25
43	Estimation of biosurfactant yield produced by <i>Klebseilla</i> sp. FKOD36 bacteria using artificial neural network approach. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 81, 163-173.	2.5	32
44	Isolation, Screening and Functional Characterization of Biosurfactant Producing Bacteria Isolated from Crude Oil Contaminated Site. <i>International Journal of Agriculture and Biology</i> , 2016, 18, 542-548.	0.2	14
45	Effect of Substrate Dependent Ethylene on Cotton (<i>Gossypium hirsutum</i> L.) at Physiological and Molecular Levels Under Salinity Stress. <i>Journal of Plant Nutrition</i> , 2015, 38, 1913-1928.	0.9	1
46	Salt-Induced Variations in Physiological Parameters and Nutrient Concentrations of Two Wheat Cultivars. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 29-41.	0.6	1
47	PHYSIOLOGICAL AND MOLECULAR RESPONSE OF WHEAT TO SOIL-APPLIED ENCAPSULATED CALCIUM CARBIDE UNDER SALINITY STRESS. <i>Journal of Plant Nutrition</i> , 2012, 35, 874-888.	0.9	4
48	WHEAT YIELD AND PHOSPHORUS FERTILIZER EFFICIENCY AS INFLUENCED BY PRE-INCUBATED USE OF SINGLE SUPERPHOSPHATE AND POULTRY LITTER AND ITS TIME OF APPLICATION. <i>Journal of Plant Nutrition</i> , 2011, 34, 1034-1040.	0.9	3
49	Effect of Application of Calcium Carbide on Growth of Cotton Crop. <i>Asian Journal of Plant Sciences</i> , 2003, 2, 569-574.	0.2	1