Zulfiqar Ahmad

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6587468/publications.pdf

Version: 2024-02-01

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	Algal bioethanol production technology: A trend towards sustainable development. Renewable and Sustainable Energy Reviews, 2017, 71, 976-985.	8.2	118
2	Perspectives of using fungi as bioresource for bioremediation of pesticides in the environment: a critical review. Environmental Science and Pollution Research, 2016, 23, 16904-16925.	2.7	107
3	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
4	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
5	Alleviation of Salinity-Induced Oxidative Stress, Improvement in Growth, Physiology and Mineral Nutrition of Canola (Brassica napus L.) through Calcium-Fortified Composted Animal Manure. Sustainability, 2020, 12, 846.	1.6	65
6	Surfactant-enhanced aquifer remediation: Mechanisms, influences, limitations and the countermeasures. Chemosphere, 2020, 252, 126620.	4.2	58
7	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
8	Calcium-Enriched Animal Manure Alleviates the Adverse Effects of Salt Stress on Growth, Physiology and Nutrients Homeostasis of Zea mays L.. Plants, 2019, 8, 480.	1.6	41
9	Anaerobic co-digestion of catering food waste utilizing Parthenium hysterophorus as co-substrate for biogas production. Biomass and Bioenergy, 2019, 124, 74-82.	2.9	40
10	Utilizing oleaginous bacteria and fungi for cleaner energy production. Journal of Cleaner Production, 2017, 168, 917-928.	4.6	34
11	Estimation of biosurfactant yield produced by Klebseilla sp. FKOD36 bacteria using artificial neural network approach. Measurement: Journal of the International Measurement Confederation, 2016, 81, 163-173.	2.5	32
12	Solid-phase denitrification for water remediation: processes, limitations, and new aspects. Critical Reviews in Biotechnology, 2020, 40, 1113-1130.	5.1	31
13	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
14	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
15	Separate and joint eco-toxicological effects of sulfadimidine and copper on soil microbial biomasses and ammoxidation microorganisms abundances. Chemosphere, 2019, 228, 556-564.	4.2	26
16	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
17	Performance of a two-phase biotrickling filter packed with biochar chips for treatment of wastewater containing high nitrogen and phosphorus concentrations. Chemical Engineering Research and Design, 2016, 102, 150-158.	2.7	25
18	Characterization and Purification of Membraneâ€Bound Azoreductase From Azo Dye Degrading Shewanella sp. Strain IFN4. Clean - Soil, Air, Water, 2016, 44, 1523-1530.	0.7	20

#	Article	IF	Citations
19	Bioretention for removal of nitrogen: processes, operational conditions, and strategies for improvement. Environmental Science and Pollution Research, 2021, 28, 10519-10535.	2.7	20
20	Characterization of a salt resistant bacterial strain Proteus sp. NA6 capable of decolorizing reactive dyes in presence of multi-metal stress. World Journal of Microbiology and Biotechnology, 2016, 32, 181.	1.7	19
21	Alleviation of Salinity Induced Oxidative Stress in Chenopodium quinoa by Fe Biofortification and Biocharâ€"Endophyte Interaction. Agronomy, 2020, 10, 168.	1.3	19
22	Toxicity of enrofloxacin and cadmium alone and in combination to enzymatic activities and microbial community structure in soil. Environmental Geochemistry and Health, 2019, 41, 2593-2606.	1.8	18
23	Soil microbial dynamics prediction using machine learning regression methods. Computers and Electronics in Agriculture, 2018, 147, 158-165.	3.7	16
24	Biosurfactants for Sustainable Soil Management. Advances in Agronomy, 2018, 150, 81-130.	2.4	16
25	Machine Learning Modeling of Aerobic Biodegradation for Azo Dyes and Hexavalent Chromium. Mathematics, 2020, 8, 913.	1.1	16
26	Formulation of Biochar-Based Phosphorus Fertilizer and Its Impact on Both Soil Properties and Chickpea Growth Performance. Sustainability, 2020, 12, 9528.	1.6	14
27	Isolation, Screening and Functional Characterization of Biosurfactant Producing Bacteria Isolated from Crude Oil Contaminated Site. International Journal of Agriculture and Biology, 2016, 18, 542-548.	0.2	14
28	Chronic Toxicological Effects of Carbamazepine on Daphnia magna Straus: Effects on Reproduction Traits, Body Length, and Intrinsic Growth. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 723-728.	1.3	13
29	Carbon-negative and high-rate nutrient removal using mixotrophic microalgae. Bioresource Technology, 2021, 340, 125731.	4.8	12
30	Application of Rice Grain Husk Derived Biochar in Ameliorating Toxicity Impacts of Cu and Zn on Growth, Physiology and Enzymatic Functioning of Wheat Seedlings. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 636-641.	1.3	11
31	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
32	Fuzzy-genetic approaches for estimation of microbial rock phosphate solubilization in sandy clay loam textured soil. Computers and Electronics in Agriculture, 2018, 150, 125-133.	3.7	9
33	Growth Inhibiting Effects of Four Antibiotics on Cucumber, Rape and Chinese Cabbage. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 187-192.	1.3	8
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	PHYSIOLOGICAL AND MOLECULAR RESPONSE OF WHEAT TO SOIL-APPLIED ENCAPSULATED CALCIUM CARBIDE UNDER SALINITY STRESS. Journal of Plant Nutrition, 2012, 35, 874-888.	0.9	4
38	Fuzzy inference for soil microbial dynamics modeling in fluctuating ecological situations. Journal of Intelligent and Fuzzy Systems, 2018, 35, 1399-1406.	0.8	4
39	Evaluating toxicity impacts of environmental exposed chromium on small Indian mongoose (Urva) Tj ETQq1 1 0.784314 rgBT /Overlock 259, 127485.	4.2	4
40	WHEAT YIELD AND PHOSPHORUS FERTILIZER EFFICIENCY AS INFLUENCED BY PRE-INCUBATED USE OF SINGLE SUPERPHOSPHATE AND POULTRY LITTER AND ITS TIME OF APPLICATION. Journal of Plant Nutrition, 2011, 34, 1034-1040.	0.9	3
41	Comparative efficacy of ANN and ANFIS models in estimating biosurfactant production produced by Klebseilla sp. FKOD36. Stochastic Environmental Research and Risk Assessment, 2016, 30, 353-363.	1.9	3
42	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
43	Role of Ethylene and Bacterial ACC-Deaminase in Nodulation of Legumes. , 2017, , 95-118.		2
44	New Insights into Dose- and Time-Dependent Response of Five Typical PPCPs on Soil Microbial Respiration. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 193-198.	1.3	2
45	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
46	Salt-Induced Variations in Physiological Parameters and Nutrient Concentrations of Two Wheat Cultivars. Communications in Soil Science and Plant Analysis, 2014, 45, 29-41.	0.6	1
47	Effect of Substrate Dependent Ethylene on Cotton (Gossypium hirsutumL.) at Physiological and Molecular Levels Under Salinity Stress. Journal of Plant Nutrition, 2015, 38, 1913-1928.	0.9	1
48	Effect of Application of Calcium Carbide on Growth of Cotton Crop. Asian Journal of Plant Sciences, 2003, 2, 569-574.	0.2	1
49	Climate Change: Impacts on Carbon Sequestration, Biodiversity and Agriculture. , 2016, , 401-428.		0