

Muhammad Imran Khan

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,498
citations

279798

23
h-index

206112

48
g-index

62
all docs

62
docs citations

62
times ranked

2899
citing authors

#	ARTICLE	IF	CITATIONS
1	Exogenous melatonin mitigates chromium toxicity in maize seedlings by modulating antioxidant system and suppresses chromium uptake and oxidative stress. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1451-1469.	3.4	29
2	Rapid and nondestructive characterization of multiple frying sunflower oil blend using fourier transform infrared spectroscopy and chemometrics. <i>International Journal of Food Properties</i> , 2022, 25, 214-226.	3.0	3
3	Carbon nanotubes/nanofibers (CNTs/CNFs): a review on state of the art synthesis methods. <i>Microsystem Technologies</i> , 2022, 28, 885-901.	2.0	35
4	End-capped group modification on cyclopentadithiophene based non-fullerene small molecule acceptors for efficient organic solar cells; a DFT approach. <i>Journal of Molecular Graphics and Modelling</i> , 2022, 113, 108162.	2.4	46
5	Carbon nanotubes: a review on properties, synthesis methods and applications in micro and nanotechnology. <i>Microsystem Technologies</i> , 2021, 27, 4183-4192.	2.0	77
6	Impacts of Water Quality on Human Health in Pakistan. <i>World Water Resources</i> , 2021, , 225-247.	0.4	2
7	Improving Nutrient Uptake, Growth, Yield and Protein Content in Chickpea by the Co-Addition of Phosphorus Fertilizers, Organic Manures, and Bacillus sp. MN-54. <i>Agronomy</i> , 2021, 11, 436.	3.0	18
8	Application of an improved multifractal detrended fluctuation analysis approach for estimation of the complexity of daily precipitation. <i>International Journal of Climatology</i> , 2021, 41, 4653-4671.	3.5	9
9	Isolation and Characterization of Oil-Degrading Enterobacter sp. from Naturally Hydrocarbon-Contaminated Soils and Their Potential Use against the Bioremediation of Crude Oil. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3504.	2.5	19
10	Phytotoxicity of petroleum hydrocarbons: Sources, impacts and remediation strategies. <i>Environmental Research</i> , 2021, 197, 111031.	7.5	71
11	Biochar and Bacillus sp. MN54 Assisted Phytoremediation of Diesel and Plant Growth Promotion of Maize in Hydrocarbons Contaminated Soil. <i>Agronomy</i> , 2021, 11, 1795.	3.0	19
12	Postharvest ascorbic acid application maintained physiological and antioxidant responses of Guava (<i>Psidium guajava</i> L.) at ambient storage. <i>Food Science and Technology</i> , 2021, 41, 748-754.	1.7	12
13	Effects of different combinations of N, P and K at different time interval on vegetative, reproductive, yield and quality traits of mango (<i>Mangifera Indica</i> . L) cv. Dusehri. <i>Brazilian Journal of Biology</i> , 2021, 82, e235612.	0.9	4
14	Frequency Analysis for Functionally Graded Material Cylindrical Shells: A Significant Case Study. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	1.1	1
15	Amalgamation of aligned carbon nanostructures at low temperature and the synthesis of vertically aligned carbon nanofibers (CNFs). <i>Microsystem Technologies</i> , 2020, 26, 1521-1529.	2.0	2
16	Phytochemical characterization of ultrasound-processed sorghum sprouts for the use in functional foods. <i>International Journal of Food Properties</i> , 2020, 23, 853-863.	3.0	20
17	Combined application of Bacillus sp. MN-54 and phosphorus improved growth and reduced lead uptake by maize in the lead-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44528-44539.	5.3	30
18	Enhanced Growth of Mungbean and Remediation of Petroleum Hydrocarbons by Enterobacter sp. MN17 and Biochar Addition in Diesel Contaminated Soil. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8548.	2.5	24

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19	Spatial variability and possible cause analysis of regional precipitation complexity based on optimized sample entropy. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 3384-3398.	2.7	15
20	Optimization of irrigation water use efficiency evaluation indicators based on DPSIR-ISD model. Water Science and Technology: Water Supply, 2020, 20, 83-94.	2.1	14
21	The response of arsenic bioavailability and microbial community in paddy soil with the application of sulfur fertilizers. Environmental Pollution, 2020, 264, 114679.	7.5	48
22	Abundance and diversity of microbial arsenic biotransformation genes in the sludge of full-scale anaerobic digesters from a municipal wastewater treatment plant. Environment International, 2020, 138, 105535.	10.0	33
23	Phytoremediation of Agricultural Pollutants. Concepts and Strategies in Plant Sciences, 2020, , 27-81.	0.5	7
24	On multiplicative degree based topological indices for planar octahedron networks. Main Group Metal Chemistry, 2020, 43, 219-228.	1.6	11
25	A <i>Sporolactobacillus</i> , <i>Clostridium</i> , and <i>Paenibacillus</i> - Dominant Microbial Consortium Improved Anaerobic RDX Detoxification by Starch Addition. Journal of Microbiology and Biotechnology, 2020, 30, 839-847.	2.1	3
26	Proximate composition, functional properties and quantitative analysis of benzoyl peroxide and benzoic acid in wheat flour samples: effect on wheat flour quality. PeerJ, 2020, 8, e8788.	2.0	8
27	Foliar- and soil-applied salicylic acid and bagasse compost addition to soil reduced deleterious effects of salinity on wheat. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	7
28	Bacillus-Dominant Airborne Bacterial Communities Identified During Asian Dust Events. Microbial Ecology, 2019, 78, 677-687.	2.8	13
29	Optimizing the Sowing Date and Irrigation Strategy to Improve Maize Yield by Using CERES (Crop) Tj ETQq1 1 0.784314 rgBT /Overlock 3.0 24		
30	Unveiling the Efficiency of Vermicompost Derived from Different Biowastes on Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 3.0 10 Tf 50 3 16		
31	Enzymatic conversion of milk lactose to prebiotic galacto-oligosaccharides to produce low lactose yogurt. Journal of Food Processing and Preservation, 2018, 42, e13586.	2.0	7
32	Graphene-based nanocomposites: synthesis and their theranostic applications. Journal of Drug Targeting, 2018, 26, 858-883.	4.4	51
33	A comparison study of the potential risks induced in arable land and forest soils by carcass-derived pollutants. Environmental Geochemistry and Health, 2018, 40, 451-460.	3.4	2
34	Effect of biochar and quicklime on growth of wheat and physicochemical properties of Ultisols. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	28
35	Monitoring and spatiotemporal variations of pyrethroid insecticides in surface water, sediment, and fish of the river Chenab Pakistan. Environmental Science and Pollution Research, 2018, 25, 22584-22597.	5.3	30
36	Arsenic Uptake, Toxicity, Detoxification, and Speciation in Plants: Physiological, Biochemical, and Molecular Aspects. International Journal of Environmental Research and Public Health, 2018, 15, 59.	2.6	541

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37	Arsenic Transformation in Swine Wastewater with Low-Arsenic Content during Anaerobic Digestion. Water (Switzerland), 2017, 9, 826.	2.7	8
38	Evaluation of Modified Non-Normal Process Capability Index and Its Bootstrap Confidence Intervals. IEEE Access, 2017, 5, 12135-12142.	4.2	12
39	Performance Evaluation of Asphalt Modified with Municipal Wastes for Sustainable Pavement Construction. Sustainability, 2016, 8, 949.	3.2	14
40	Surfactant enhanced pyrene degradation in the rhizosphere of tall fescue (<i>Festuca arundinacea</i>). Environmental Science and Pollution Research, 2016, 23, 18129-18136.	5.3	15
41	Improved TNT detoxification by starch addition in a nitrogen-fixing <i>Methylophilus</i> -dominant aerobic microbial consortium. Journal of Hazardous Materials, 2015, 300, 873-881.	12.4	16
42	Improved RDX detoxification with starch addition using a novel nitrogen-fixing aerobic microbial consortium from soil contaminated with explosives. Journal of Hazardous Materials, 2015, 287, 243-251.	12.4	26
43	Influence of Heavy Metals and PCBs Pollution on the Enzyme Activity and Microbial Community of Paddy Soils around an E-Waste Recycling Workshop. International Journal of Environmental Research and Public Health, 2014, 11, 3118-3131.	2.6	37
44	Phytotoxicity assessment of phenanthrene and pyrene in soil using two barley genotypes. Toxicological and Environmental Chemistry, 2014, 96, 94-105.	1.2	8
45	Physiological and ultra-structural changes in <i>Brassica napus</i> seedlings induced by cadmium stress. <i>Biologia Plantarum</i> , 2014, 58, 131-138.	1.9	143
46	A Battery of Bioassays for the Evaluation of Phenanthrene Biototoxicity in Soil. Archives of Environmental Contamination and Toxicology, 2013, 65, 47-55.	4.1	22
47	A toxicological review on potential microbial degradation intermediates of 2,4,6-trinitrotoluene, and its implications in bioremediation. KSCE Journal of Civil Engineering, 2013, 17, 1223-1231.	1.9	27
48	Biototoxicity Assessment of Pyrene in Soil Using a Battery of Biological Assays. Archives of Environmental Contamination and Toxicology, 2012, 63, 503-512.	4.1	23
49	Assessment of phenanthrene bioavailability in aged and unaged soils by mild extraction. Environmental Monitoring and Assessment, 2012, 184, 549-559.	2.7	42
50	Microbial Degradation and Toxicity of Hexahydro-1,3,5-Trinitro-1,3,5-Triazine. Journal of Microbiology and Biotechnology, 2012, 22, 1311-1323.	2.1	25
51	Assessment of Pyrene Bioavailability in Soil by Mild Hydroxypropyl- β -Cyclodextrin Extraction. Archives of Environmental Contamination and Toxicology, 2011, 60, 107-115.	4.1	21
52	Degradation of phenanthrene and pyrene in spiked soils by single and combined plants cultivation. Journal of Hazardous Materials, 2010, 177, 384-389.	12.4	135
53	Inorganic and organic pollution in agricultural soil from an emerging e-waste recycling town in Taizhou area, China. Journal of Soils and Sediments, 2010, 10, 895-906.	3.0	61
54	Heavy metal and persistent organic compound contamination in soil from Wenling: An emerging e-waste recycling city in Taizhou area, China. Journal of Hazardous Materials, 2010, 173, 653-660.	12.4	297

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55	Levels and patterns of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in municipal waste incinerator bottom ash in Zhejiang province, China. <i>Journal of Hazardous Materials</i> , 2010, 179, 197-202.	12.4	48
56	Enhancement of phenanthrene and pyrene degradation in rhizosphere of tall fescue (<i>Festuca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	12.4	101
57	Cadmium-induced ultramorphological and physiological changes in leaves of two transgenic cotton cultivars and their wild relative. <i>Journal of Hazardous Materials</i> , 2009, 168, 614-625.	12.4	69
58	Enhanced phytoremediation potential of polychlorinated biphenyl contaminated soil from e-waste recycling area in the presence of randomly methylated- β -cyclodextrins. <i>Journal of Hazardous Materials</i> , 2009, 172, 1671-1676.	12.4	57
59	Alleviation of Toxic Effects of Untreated Wastewater on Selective Vegetables Using Soil Organic Amendments. <i>Tarim Bilimleri Dergisi</i> , 0, , .	0.4	0