Muhammad Aqeel

List of Publications by Year
in descending order

40 papers	1,802 citations	304602 22 h-index	315616 38 g-index
40 all docs	40 docs citations	40 times ranked	1494 citing authors

#	Article	IF	Citations
1	Structural, Biochemical, and Physiological Adjustments for Toxicity Management, Accumulation, and Remediation of Cadmium in Wetland Ecosystems by Typha domingensis Pers. Water, Air, and Soil Pollution, 2022, 233, .	1.1	6
2	Ecosystem organic carbon storage and their drivers across the drylands of China. Catena, 2022, 214, 106280.	2.2	13
3	Mediation of Growth and Metabolism of Pisum sativum in Salt Stress Potentially Be Credited to Thiamine. Journal of Soil Science and Plant Nutrition, 2022, 22, 2897-2910.	1.7	6
4	Assessment of composition and spatial dynamics of weed communities in agroecosystem under varying edaphic factors. PLoS ONE, 2022, 17, e0266778.	1.1	2
5	Mitigation of lead toxicity in Vigna radiata genotypes by silver nanoparticles. Environmental Pollution, 2022, 308, 119606.	3.7	43
6	Effects of microplastics on growth and metabolism of rice (Oryza sativa L.). Chemosphere, 2022, 307, 135749.	4.2	42
7	Spike glycoproteins: Their significance for corona viruses and receptor binding activities for pathogenesis and viral survival. Microbial Pathogenesis, 2021, 150, 104719.	1.3	12
8	Rising Metals Concentration in the Environment: A Response to Effluents of Leather Industries in Sialkot. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 493-500.	1.3	22
9	Physiological homeostasis for ecological success of Typha (Typha domingensis Pers.) populations in saline soils. Physiology and Molecular Biology of Plants, 2021, 27, 687-701.	1.4	19
10	Effects of biotic and abiotic factors on forest biomass fractions. National Science Review, 2021, 8, nwab025.	4.6	28
11	Nitrogen Dynamics in Wetland Systems and Its Impact on Biodiversity. Nitrogen, 2021, 2, 196-217.	0.6	23
12	Insectsâ€“plants-pathogens: Toxicity, dependence and defense dynamics. Toxicon, 2021, 197, 87-98.	0.8	12
13	Aridity-driven shift in biodiversityâ€“soil multifunctionality relationships. Nature Communications, 2021, 12, 5350.	5.8	164
14	Foliar architecture and physio-biochemical plasticity determines survival of Typha domingensis pers. Ecotypes in nickel and salt affected soil. Environmental Pollution, 2021, 286, 117316.	3.7	15
15	Growth attributes, biochemical modulations, antioxidant enzymatic metabolism and yield in Brassica napus varieties for salinity tolerance. Saudi Journal of Biological Sciences, 2021, 28, 5469-5479.	1.8	18
16	Interactions and effects of microplastics with heavy metals in aquatic and terrestrial environments. Environmental Pollution, 2021, 290, 118104.	3.7	206
17	Elucidating the distinct interactive impact of cadmium and nickel on growth, photosynthesis, metal-homeostasis, and yield responses of mung bean (Vigna radiata L.) varieties. Environmental Science and Pollution Research, 2021, 28, 27376-27390.	2.7	62
18	Impact of climate change on plant species richness across drylands in China: From past to present and into the future. Ecological Indicators, 2021, 132, 108288.	2.6	16

#	Article	IF	Citations
19	Hemarthria compressaâ€"Aspergillus nigerâ€"Trichoderma pseudokoningii Mediated Trilateral Perspective for Bioremediation and Detoxification of Industrial Paper Sludge. Sustainability, 2021, 13, 12266.	1.6	6
20	Plant-insect-microbe interaction: A love triangle between enemies in ecosystem. Science of the Total Environment, 2020, 699, 134181.	3.9	67
21	Microplastics could be a threat to plants in terrestrial systems directly or indirectly. Environmental Pollution, 2020, 267, 115653.	3.7	226
22	Air pollution on highways and motorways perturbs carbon and nitrogen levels in roadside ecosystems. Chemistry and Ecology, 2020, 36, 868-880.	0.6	5
23	Regulation of Capsicum immunity against microbial pathogens: Transcription factors in focus. Physiological and Molecular Plant Pathology, 2020, 112, 101548.	1.3	3
24	Plant hypersensitive response vs pathogen ingression: Death of few gives life to others. Microbial Pathogenesis, 2020, 145, 104224.	1.3	36
25	Molecular regulation of pepper innate immunity and stress tolerance: An overview of WRKY TFs. Microbial Pathogenesis, 2019, 135, 103610.	1.3	28
26	System Biology of Metal Tolerance in Plants: An Integrated View of Genomics, Transcriptomics, Metabolomics, and Phenomics. , 2019, , 107-144.		25
27	Crosstalk Between Plant miRNA and Heavy Metal Toxicity. , 2019, , 145-168.		11
28	Study of the responses of two biomonitor plant species (Datura alba & Ricinus communis) to roadside air pollution. Chemosphere, 2019, 235, 832-841.	4.2	42
29	PRRs and NB-LRRs: From Signal Perception to Activation of Plant Innate Immunity. International Journal of Molecular Sciences, 2019, 20, 1882.	1.8	60
30	Zinc finger protein transcription factors: Integrated line of action for plant antimicrobial activity. Microbial Pathogenesis, 2019, 132, 141-149.	1.3	55
31	Vehicle pollution toxicity induced changes in physiology, defence system and biochemical characteristics ofCalotropis proceraL.. Chemistry and Ecology, 2018, 34, 565-581.	0.6	29
32	NPK could alleviate the adverse effects of simulated acid rain in sunflower (Helianthus annuus L.). Journal of Plant Nutrition, 2018, 41, 584-595.	0.9	3
33	Effects of road proximity on heavy metal concentrations in soils and common roadside plants in Southern California. Environmental Science and Pollution Research, 2018, 25, 35257-35265.	2.7	62
34	Sugar beet extract acts as a natural bio-stimulant for physio-biochemical attributes in water stressed wheat (Triticum aestivum L.). Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	50
35	miRNA-based heavy metal homeostasis and plant growth. Environmental Science and Pollution Research, 2017, 24, 10068-10082.	2.7	91
36	miRNAs: Major modulators for crop growth and development under abiotic stresses. Biotechnology Letters, 2017, 39, 685-700.	1.1	77

#	Article	IF	Citations
37	Basic leucine zipper domain transcription factors: the vanguards in plant immunity. Biotechnology Letters, 2017, 39, 1779-1791.	1.1	55
38	Biotechnological Advancements for Improving Floral Attributes in Ornamental Plants. Frontiers in Plant Science, 2017, 8, 530.	1.7	91
39	CRISPR-Cas9: Tool for Qualitative and Quantitative Plant Genome Editing. Frontiers in Plant Science, 2016, 7, 1740.	1.7	65
40	Success of transgenic cotton (Gossypium hirsutum L.): Fiction or reality?. Cogent Food and Agriculture, 2016, 2, .	0.6	6