Qaisar Mahmood

List of Publications by Year
in descending order

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57	2,027	236925	243625
papers	citations	25 h-index	44 g-index

58	58	58	2545
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Co-digestion, pretreatment and digester design for enhanced methanogenesis. Renewable and Sustainable Energy Reviews, 2015, 42, 627-642.	16.4	160
2	Perspectives of low cost arsenic remediation of drinking water in Pakistan and other countries. Journal of Hazardous Materials, 2009, 168, 1-12.	12.4	155
3	Microbe and plant assisted-remediation of organic xenobiotics and its enhancement by genetically modified organisms and recombinant technology: A review. Science of the Total Environment, 2018, 628-629, 1582-1599.	8.0	144
4	Anoxic sulfide biooxidation using nitrite as electron acceptor. Journal of Hazardous Materials, 2007, 147, 249-256.	12.4	133
5	Phytoremediation potential of Arundo donax in arsenic-contaminated synthetic wastewater. Bioresource Technology, 2010, 101, 5815-5819.	9.6	106
6	Lead Induced Changes in the Growth and Antioxidant Metabolism of the Lead Accumulating and Nonâ€accumulating Ecotypes of Sedum alfredii. Journal of Integrative Plant Biology, 2008, 50, 129-140.	8.5	105
7	Ecological restoration of arsenic contaminated soil by Arundo donax L. Ecological Engineering, 2011, 37, 1949-1956.	3.6	86
8	Plants as Useful Vectors to Reduce Environmental Toxic Arsenic Content. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	74
9	Quantitative determination of cavitation formation and sludge flotation in Anammox granules by using a new diffusion-reaction integrated mathematical model. Water Research, 2020, 174, 115632.	11.3	73
10	Arsenic bioremediation by low cost materials derived from Blue Pine (Pinus wallichiana) and Walnut (Juglans regia). Ecological Engineering, 2013, 51, 88-94.	3.6	63
11	Anaerobic microbial fuel cell treating combined industrial wastewater: Correlation of electricity generation with pollutants. Bioresource Technology, 2016, 200, 1-7.	9.6	61
12	Influence of various nitrogenous electron acceptors on the anaerobic sulfide oxidation. Bioresource Technology, 2010, 101, 2931-2937.	9.6	56
13	Sources of sulfide in waste streams and current biotechnologies for its removal. Journal of Zhejiang University: Science A, 2007, 8, 1126-1140.	2.4	50
14	Improvement of drinking water quality by using plant biomass through household biosand filter â€“ A decentralized approach. Ecological Engineering, 2011, 37, 1842-1848.	3.6	50
15	Development of low cost household drinking water treatment system for the earthquake affected communities in Northern Pakistan. Desalination, 2011, 273, 316-320.	8.2	48
16	Photocatalytic degradation and kinetic modeling of azo dye using bimetallic photocatalysts: effect of synthesis and operational parameters. Environmental Science and Pollution Research, 2020, 27, 2992-3006.	5.3	43
17	Natural Treatment Systems as Sustainable Ecotechnologies for the Developing Countries. BioMed Research International, 2013, 2013, 1-19.	1.9	40
18	Effect of scrubbing by NaClO backwashing on membrane fouling in anammox MBR. Science of the Total Environment, 2019, 670, 149-157.	8.0	40

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19	Cadmium Phytoremediation byArundo donaxL. from Contaminated Soil and Water. BioMed Research International, 2013, 2013, 1-9.	1.9	37
20	The role of bacteria in the heavy metals removal and growth of Sedum alfredii Hance in an aqueous medium. Chemosphere, 2008, 70, 489-494.	8.2	36
21	Isolation of Ochrobactrum sp.QZ2 from sulfide and nitrite treatment system. Journal of Hazardous Materials, 2009, 165, 558-565.	12.4	36
22	Anatomical studies on water hyacinth (Eichhornia crassipes(Mart.) Solms) under the influence of textile wastewater. Journal of Zhejiang University Science B, 2005, 6B, 991-998.	0.4	35
23	Effect of pH on anoxic sulfide oxidizing reactor performance. Bioresource Technology, 2008, 99, 3291-3296.	9.6	35
24	Potential of Arundo donax to treat chromium contamination. Ecological Engineering, 2012, 42, 256-259.	3.6	34
25	Chemical pollutants from an industrial estate in Pakistan: a threat to environmental sustainability. Applied Water Science, 2019, 9, 1.	5.6	32
26	Comparison of anoxic sulfide biooxidation using nitrate/nitrite as electron acceptor. Environmental Progress, 2007, 26, 169-177.	0.7	21
27	Biochemical and Metabolic Changes in Arsenic ContaminatedBoehmeria niveaL.. BioMed Research International, 2016, 2016, 1-8.	1.9	19
28	Effect of cathode electron acceptors on simultaneous anaerobic sulfide and nitrate removal in microbial fuel cell. Water Science and Technology, 2016, 73, 947-954.	2.5	19
29	Iron Oxide (Fe3O4)-Supported SiO2 Magnetic Nanocomposites for Efficient Adsorption of Fluoride from Drinking Water: Synthesis, Characterization, and Adsorption Isotherm Analysis. Water (Switzerland), 2021, 13, 1514.	2.7	17
30	Health risk assessment and oxidative stress in workers exposed to welding fumes. Toxicological and Environmental Chemistry, 2015, 97, 634-639.	1.2	16
31	Combined Industrial Wastewater Treatment in Anaerobic Bioreactor Posttreated in Constructed Wetland. BioMed Research International, 2013, 2013, 1-8.	1.9	15
32	Improvement in lipids extraction processes for biodiesel production from wet microalgal pellets grown on diammonium phosphate and sodium bicarbonate combinations. Bioresource Technology, 2016, 214, 199-209.	9.6	15
33	Influence of metallic species for efficient photocatalytic water disinfection: bactericidal mechanism of in vitro results using docking simulation. Environmental Science and Pollution Research, 2020, 27, 39819-39831.	5.3	15
34	Constitutional tolerance and chlorophyll fluorescence of Boehmeria nivea L in response to the antimony (Sb) and arsenic (As) co-contamination. Toxicological and Environmental Chemistry, 2017, 99, 265-272.	1.2	13
35	Physiology and selected genes expression under cadmium stress in Arundo donax L. International Journal of Phytoremediation, 2018, 20, 1162-1167.	3.1	13
36	Performance, microbial community and inhibition kinetics of long-term Cu2+ stress on an air-lift nitritation reactor with self-recirculation. Journal of Environmental Sciences, 2020, 91, 117-127.	6.1	11

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37	The rate-limiting step in anaerobic digestion in the presence of phosphine. Toxicology and Industrial Health, 2006, 22, 165-172.	1.4	10
38	Effects of loading rate and hydraulic residence time on anoxic sulfide biooxidation. Journal of Zhejiang University: Science A, 2007, 8, 1149-1156.	2.4	10
39	Assessment of toxicity of volatile fatty acids to Photobacterium phosphoreum. Microbiology, 2014, 83, 510-515.	1.2	8
40	Assessment of tap water quality and corrosion scales from the selected distribution systems in northern Pakistan. Environmental Monitoring and Assessment, 2017, 189, 194.	2.7	8
41	Gene expression and biochemical response of giant reed under Ni and Cu stress. International Journal of Phytoremediation, 2019, 21, 1474-1485.	3.1	8
42	Effect of Pretreatment and Substrate Ratios in Biorefinery Employing Co-digestion of Plant Biomass and Poultry Waste. Frontiers in Energy Research, 2019, 6, .	2.3	8
43	Isolation and characteristics of Arthrobacter sp. strain CW-1 for biodegradation of PAEs. Journal of Zhejiang University: Science A, 2007, 8, 1469-1474.	2.4	7
44	Phytoremediation Using Algae and Macrophytes: I. , 2015, , 265-289.		7
45	Investigation onMelia azedarachbiomass for arsenic remediation from contaminated water. Desalination and Water Treatment, 2015, 53, 1632-1640.	1.0	7
46	Phytoextraction of HG by parsley(Petroselinum crispum)and its growth responses. International Journal of Phytoremediation, 2016, 18, 354-357.	3.1	7
47	Longâ€term domestication to Mn stresses alleviates the inhibition on anammox process. Water Environment Research, 2020, 92, 1966-1974.	2.7	7
48	Isolation and physiology of a dimethyl phthalate degrading bacterial strain YZ2. Environmental Progress, 2007, 26, 384-390.	0.7	6
49	Transcriptomic responses of selected genes against chromium stress in Arundo donax L.. Toxicological and Environmental Chemistry, 2017, 99, 900-912.	1.2	5
50	Industrial wastewater treatment in internal circulation bioreactor followed by wetlands containing emergent plants and algae. World Journal of Microbiology and Biotechnology, 2018, 34, 119.	3.6	5
51	Bio-Sand filter to treat arsenic contaminated drinking water. Desalination and Water Treatment, 2015, 53, 2999-3006.	1.0	4
52	Effect of substrate ratios on the simultaneous carbon, nitrogen, sulfur and phosphorous conversions in microbial fuel cells. Heliyon, 2021, 7, e07338.	3.2	4
53	Bioenergy Potential of Albumin, Acetic Acid, Sucrose, and Blood in Microbial Fuel Cells Treating Synthetic Wastewater. Processes, 2021, 9, 1289.	2.8	4
54	Excessive chromium may cause dietary toxicity in parsley (Petroselinum crispum). Toxicological and Environmental Chemistry, 2014, 96, 287-295.	1.2	2

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55	Prediction of anoxic sulfide biooxidation under various HRTs using artificial neural networks. Biomedical and Environmental Sciences, 2007, 20, 398-403.	0.2	2
56	Dietary Toxicity of Lead and Hyper-Accumulation in Petroselinum crispum. Arabian Journal for Science and Engineering, 2015, 40, 1819-1824.	1.1	1
57	Occupational health impacts of transport industry: collagen degrader, blood lead, and respiratory illnesses. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0