

Asad Mahmood

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,465
citations

361413

20
h-index

330143

37
g-index

45
all docs

45
docs citations

45
times ranked

2072
citing authors

#	ARTICLE	IF	CITATIONS
1	Lorentz force promoted charge separation in a hierarchical, bandgap tuned, and charge reversible NixMn(0.5~x)O photocatalyst for sulfamethoxazole degradation. Applied Catalysis B: Environmental, 2022, 300, 120724.	20.2	11
2	Simulating alveoli-inspired air pockets in a ZnO/NiMoO ₄ /C ₃ N ₄ catalyst filter for toluene entrapment and photodecomposition. Journal of Hazardous Materials, 2021, 409, 124497.	12.4	23
3	Contribution of Different Quantities of Leaf Litter to Nitrous Oxide Emission from a Temperate Deciduous Forest. KSCE Journal of Civil Engineering, 2021, 25, 1163-1175.	1.9	3
4	Application of metal-air fuel cell electrocoagulation for the harvesting of Nannochloropsis salina marine microalgae. Renewable Energy, 2021, 171, 1224-1235.	8.9	7
5	Decontamination of radioactive cesium-contaminated soil/concrete with washing and washing supernatantâ€“ critical review. Chemosphere, 2021, 280, 130419.	8.2	16
6	Optimal generation number in magnetic-cored dendrimers as Pb(II) and Cd(II) adsorbents. Environmental Technology (United Kingdom), 2020, 41, 3412-3419.	2.2	4
7	Graphene quantum dots on stainless-steel nanotubes for enhanced photocatalytic degradation of phenanthrene under visible light. Chemosphere, 2020, 246, 125761.	8.2	40
8	Selective transport and separation of chargeâ€“carriers by an electron transport layer in NiCo ₂ S ₄ /CdO@CC for excellent water splitting. Applied Catalysis B: Environmental, 2020, 265, 118564.	20.2	31
9	The role of terminal groups in dendrimer systems for the treatment of organic contaminants in aqueous environments. Journal of Cleaner Production, 2020, 250, 119494.	9.3	12
10	Addressing the OER/HER imbalance by a redox transition-induced two-way electron injection in a bifunctional nâ€“pâ€“n electrode for excellent water splitting. Journal of Materials Chemistry A, 2020, 8, 13218-13230.	10.3	17
11	TiO ₂ /CdS nanocomposite stabilized on a magnetic-cored dendrimer for enhanced photocatalytic activity and reusability. Journal of Colloid and Interface Science, 2019, 555, 801-809.	9.4	18
12	An Environmental Impact Assessment Model with Monetary Valuation for Remediation in South Korea. KSCE Journal of Civil Engineering, 2019, 23, 4168-4173.	1.9	2
13	Agglomeration of 10~nm amine-functionalized nano-magnetite does not hinder its efficiency as an environmental adsorbent. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 648-656.	1.7	4
14	Analogous crystal orientation for immobilizing rGO/ZrO ₂ /Ag ₃ PO ₄ nanocomposite on a fluorineâ€“doped tin oxide substrate. Journal of Hazardous Materials, 2019, 369, 375-383.	12.4	12
15	Photocatalysts for degradation of dyes in industrial effluents: Opportunities and challenges. Nano Research, 2019, 12, 955-972.	10.4	430
16	Near-infrared to visible photon transition by upconverting NaYF ₄ : Yb ³⁺ , Gd ³⁺ , Tm ³⁺ @Bi ₂ WO ₆ core@shell composite for bisphenol A degradation in solar light. Applied Catalysis B: Environmental, 2019, 243, 438-447.	20.2	81
17	Computational calculation identified optimal binding sites in nano-sized magnetic-cored dendrimer. Chemosphere, 2018, 210, 287-295.	8.2	7
18	Synthesis and characterization of a heterojunction rGO/ZrO ₂ /Ag ₃ PO ₄ nanocomposite for degradation of organic contaminants. Journal of Hazardous Materials, 2018, 358, 416-426.	12.4	86

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19	Graphene and its nanocomposites as a platform for environmental applications. Chemical Engineering Journal, 2017, 315, 210-232.	12.7	108
20	A simplified sampling procedure for the estimation of methane emission in rice fields. Environmental Monitoring and Assessment, 2017, 189, 468.	2.7	4
21	Stability and reusability of amine-functionalized magnetic-cored dendrimer for heavy metal adsorption. Journal of Materials Science, 2017, 52, 843-857.	3.7	36
22	Photodegradation of benzene and phenanthrene in aqueous solution using pulsed ultraviolet light. KSCE Journal of Civil Engineering, 2017, 21, 1607-1613.	1.9	4
23	Environmental impact assessment using a GSR tool for a landfarming case in South Korea. Environmental Monitoring and Assessment, 2016, 188, 231.	2.7	4
24	Effect of generation growth on photocatalytic activity of nano TiO ₂ -magnetic cored dendrimers. Journal of Industrial and Engineering Chemistry, 2016, 44, 52-59.	5.8	30
25	Carboxymethyl chitosan-modified magnetic-cored dendrimer as an amphoteric adsorbent. Journal of Hazardous Materials, 2016, 317, 608-616.	12.4	100
26	Adsorption of NH ₄ ⁺ -N and E. coli onto Mg ²⁺ -modified zeolites. Environmental Earth Sciences, 2016, 75, 1.	2.7	9
27	Eisenia fetida growth inhibition by amended activated carbon causes less bioaccumulation of heavy metals. Journal of Soils and Sediments, 2014, 14, 1766-1773.	3.0	2
28	Nano TiO ₂ -functionalized magnetic-cored dendrimer as a photocatalyst. Applied Catalysis B: Environmental, 2014, 147, 973-979.	20.2	34
29	Iron oxide nanotube layer fabricated with electrostatic anodization for heterogeneous Fenton like reaction. Journal of Hazardous Materials, 2014, 273, 1-6.	12.4	24
30	Radioactive removal by adsorption on Yesan clay and zeolite. Environmental Earth Sciences, 2013, 68, 2393-2398.	2.7	19
31	Numerical investigation for the isolation effect of in situ capping for heavy metals in contaminated sediments. KSCE Journal of Civil Engineering, 2013, 17, 1275-1283.	1.9	10
32	Nano zero-valent iron impregnated on titanium dioxide nanotube array film for both oxidation and reduction of methyl orange. Water Research, 2013, 47, 1858-1866.	11.3	47
33	Transformation impacts of dissolved and solid phase Fe(II) on trichloroethylene (TCE) reduction in an iron-reducing bacteria (IRB) mixed column system: A mathematical model. Water Research, 2012, 46, 6391-6398.	11.3	3
34	Enhanced Heavy Metal Sorption by Surface-Oxidized Activated Carbon Does Not Affect the PAH Sequestration in Sediments. Water, Air, and Soil Pollution, 2012, 223, 3195-3206.	2.4	2
35	Determination of a risk management primer at petroleum-contaminated sites: Developing new human health risk assessment strategy. Journal of Hazardous Materials, 2011, 185, 1374-1380.	12.4	39
36	Leachate modeling for a municipal solid waste landfill for upper expansion. KSCE Journal of Civil Engineering, 2010, 14, 473-480.	1.9	9

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37	Calibration of LEACHN model using LH-OAT sensitivity analysis. Nutrient Cycling in Agroecosystems, 2010, 87, 261-275.	2.2	25
38	A novel total petroleum hydrocarbon fractionation strategy for human health risk assessment for petroleum hydrocarbon-contaminated site management. Journal of Hazardous Materials, 2010, 179, 1128-1135.	12.4	35
39	Numerical investigation of the gel barrier formation with vertical injection pipe. Environmental Geology, 2007, 53, 635-642.	1.2	2
40	Sorption and reduction of tetrachloroethylene with zero valent iron and amphiphilic molecules. Chemosphere, 2006, 64, 1047-1052.	8.2	40
41	UV Spectroscopic Monitoring of Vaporized Monoaromatic Hydrocarbons from Petroleum-Contaminated Soils. Environmental Monitoring and Assessment, 2006, 120, 527-536.	2.7	2
42	Recovery of iron reactivity for removal of Cr(VI) using iron-reducing consortium. KSCE Journal of Civil Engineering, 2006, 10, 175-180.	1.9	3
43	EFFECT OF COEXISTING COMPOUNDS ON THE SORPTION AND REDUCTION OF TRICHLOROETHYLENE WITH IRON. Environmental Toxicology and Chemistry, 2005, 24, 11.	4.3	20
44	Competitive adsorption of heavy metals and uranium on soil constituents and microorganism. Geosciences Journal, 2005, 9, 53-61.	1.2	26
45	Organobentonite for Sorption and Degradation of Phenol in the Presence of Heavy Metals. Water, Air, and Soil Pollution, 2004, 154, 225-237.	2.4	24