

Adel Al-Gheethi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

688
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of ammonium from wastewater treatment plant effluents onto the zeolite; A plug-flow column, optimisation, dynamic and isotherms studies. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 8445-8466.	3.3	3
2	Inactivation of fungal spores from clinical environment by silver bio-nanoparticles; optimization, artificial neural network model and mechanism. <i>Environmental Research</i> , 2022, 204, 111926.	7.5	7
3	Sustainable approaches for nickel removal from wastewater using bacterial biomass and nanocomposite adsorbents: A review. <i>Chemosphere</i> , 2022, 291, 132862.	8.2	8
4	Nutrients elimination from meat processing wastewater using <i>Scenedesmus</i> sp.; optimizations; artificial neural network and kinetics models. <i>Environmental Technology and Innovation</i> , 2022, 26, 102535.	6.1	2
5	Metronidazole photocatalytic degradation by zinc oxide nanoparticles synthesized in watermelon peel extract; Advanced optimization, simulation and numerical models using machine learning applications. <i>Environmental Research</i> , 2022, 212, 113537.	7.5	11
6	Meat processing wastewater Phycoremediation by <i>Botryococcus</i> sp.: a biokinetic study and a techno-economic analysis. <i>Separation Science and Technology</i> , 2021, 56, 577-591.	2.5	16
7	Adsorption of heavy metals from mining effluents using honeydew peels activated carbon; isotherm, kinetic and column studies. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 715-729.	2.4	10
8	Potential of cassava peels as a sustainable coagulant aid for institutional wastewater treatment: Characterisation, optimisation and techno-economic analysis. <i>Chemical Engineering Journal</i> , 2021, 420, 127642.	12.7	27
9	Influence of Nitrogen and Phosphorus on Microalgal Growth, Biomass, Lipid, and Fatty Acid Production: An Overview. <i>Cells</i> , 2021, 10, 393.	4.1	189
10	Optimizing of Microalgae <i>Scenedesmus</i> sp. Biomass Production in Wet Market Wastewater Using Response Surface Methodology. <i>Sustainability</i> , 2021, 13, 2216.	3.2	11
11	Sustainable approaches for removal of cephalexin antibiotic from non-clinical environments: A critical review. <i>Journal of Hazardous Materials</i> , 2021, 417, 126040.	12.4	24
12	Quantitative microbiological risk assessment of complex microbial community in Prawn farm wastewater and applicability of nanoparticles and probiotics for eliminating of antibiotic-resistant bacteria. <i>Journal of Hazardous Materials</i> , 2021, 419, 126418.	12.4	16
13	Bio-inspired ZnO NPs synthesized from <i>Citrus sinensis</i> peels extract for Congo red removal from textile wastewater via photocatalysis: Optimization, mechanisms, techno-economic analysis. <i>Chemosphere</i> , 2021, 281, 130661.	8.2	51
14	Cephalexin removal by a novel Cu-Zn bionanocomposite biosynthesized in secondary metabolic products of <i>Aspergillus arenarioides</i> EAN603 with pumpkin peels medium: Optimization, kinetic and artificial neural network models. <i>Journal of Hazardous Materials</i> , 2021, 419, 126500.	12.4	11
15	Removal of heavy metals from mining effluents in tile and electroplating industries using honeydew peel activated carbon: A microstructure and techno-economic analysis. <i>Journal of Cleaner Production</i> , 2020, 251, 119738.	9.3	64
16	Disinfection Methods and Survival of SARS-CoV-2 in the Environment and Contaminated Materials: A Bibliometric Analysis. <i>Sustainability</i> , 2020, 12, 7378.	3.2	13
17	Removal of Basic Brown 16 from Aqueous Solution Using Durian Shell Adsorbent, Optimisation and Techno-Economic Analysis. <i>Sustainability</i> , 2020, 12, 8928.	3.2	26
18	Photodegradation of basic red 51 in hair dye greywater by zinc oxide nanoparticles using central composite design. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 130, 567-588.	1.7	16

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19	Inactivating pathogenic bacteria in greywater by biosynthesized Cu/Zn nanoparticles from secondary metabolite of <i>Aspergillus iizukae</i> ; optimization, mechanism and techno economic analysis. PLoS ONE, 2019, 14, e0221522.	2.5	22
20	Optimising of <i>Scenedesmus</i> sp. biomass production in chicken slaughterhouse wastewater using response surface methodology and potential utilisation as fish feeds. Environmental Science and Pollution Research, 2019, 26, 12089-12108.	5.3	17
21	Microalgal biomass production through phycoremediation of fresh market wastewater and potential applications as aquaculture feeds. Environmental Science and Pollution Research, 2019, 26, 3226-3242.	5.3	34
22	Optimizing of pharmaceutical active compounds biodegradability in secondary effluents by β -lactamase from <i>Bacillus subtilis</i> using central composite design. Journal of Hazardous Materials, 2019, 365, 883-894.	12.4	28
23	<i>Scenedesmus</i> Biomass Productivity and Nutrient Removal from Wet Market Wastewater, A Bio-kinetic Study. Waste and Biomass Valorization, 2019, 10, 2783-2800.	3.4	35
24	Optimization of ceramic waste filter for bathroom greywater treatment using central composite design (CCD). Journal of Environmental Chemical Engineering, 2018, 6, 1578-1588.	6.7	30
25	Supercritical Fluid CO ₂ Technique for Destruction of Pathogenic Fungal Spores in Solid Clinical Wastes. Clean - Soil, Air, Water, 2016, 44, 1700-1708.	1.1	17