

Rafidah Hamdan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

150
citations

6
h-index

11
g-index

37
ext. papers

206
ext. citations

1.4
avg, IF

3.39
L-index

#	Paper	IF	Citations
33	Removal of Phosphorus from Domestic Wastewater by Using L-shape Semi Aerated Steel Slag Filter System. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022 , 1022, 012062	0.3	1
32	Pre-Treatment of Laundry Greywater by Steel Slag for Safe Disposal. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022 , 1022, 012060	0.3	
31	Pb(II) removal and its adsorption from aqueous solution using zinc oxide/graphene oxide composite. <i>Chemical Engineering Communications</i> , 2021 , 208, 646-660	2.2	6
30	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	1.5	3
29	Optimizing vertical flow aerated steel slag filter system with nitrifiers bacteria for nutrients V removal from domestic wastewater: a pilot study. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 1067-1079	3.5	1
28	Zeolitic imidazolate framework-L incorporated graphene oxide hybrid for cadmium removal. <i>Materials Today: Proceedings</i> , 2021 , 42, 8-14	1.4	2
27	Effects of operating parameters on cadmium removal for wastewater treatment using zeolitic imidazolate framework-L/graphene oxide composite. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106139	6.8	2
26	Efficient Removal of Pb(II) from Aqueous Solution using Zinc Oxide/Graphene Oxide Composite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 736, 052002	0.4	1
25	Study of Performance Aeration Rate Effects on Iron and Manganese Removal in Groundwater Using Gravitational Aeration Tower System (GATS). <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 917, 012010	0.4	
24	Removal of phosphate from wastewater by steel slag with high calcium oxide column filter system; efficiencies and mechanisms study. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 3232-3240	3.5	6
23	Efficiencies and mechanisms of steel slag with ferric oxides for removing phosphate from wastewater using a column filter system. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 35184-35194	5.1	6
22	Advanced methods for activated carbon from agriculture wastes; a comprehensive review. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-25	1.8	11
21	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	10.3	41
20	Aerated and unaerated steel slag filter systems as polishing unit for phosphorus removal from textile industrial effluent. <i>Materials Today: Proceedings</i> , 2020 , 31, 372-377	1.4	2
19	A New Design of Recycled Concrete Aggregates as an Aerated Filter for Removal of Phosphorus. <i>Journal of Physics: Conference Series</i> , 2018 , 1049, 012018	0.3	
18	The Effects of PO ₄ ³⁻ Removal from Aqueous Solution with Varied Concentrations of Metal Oxides in Steel Slag Filter System. <i>Journal of Physical Science</i> , 2018 , 29, 71-80	2	3
17	Factor Affecting Textile Dye Removal Using Adsorbent From Activated Carbon: A Review. <i>MATEC Web of Conferences</i> , 2017 , 103, 06015	0.3	16

16	Characterization study on secondary sewage sludge for replacement in building materials 2017 ,		1
15	Optimization of pH in Ammonia, Heavy Metals, and Chlorophyll-a Removal by using Electric Arc Furnace Slag and Activated Carbon Cassava Peel. <i>MATEC Web of Conferences</i> , 2017 , 103, 06009	0.3	
14	The Effect of HLRs on Nitrogen Removal by Using a Pilot-scale Aerated Steel Slag System. <i>MATEC Web of Conferences</i> , 2017 , 97, 01068	0.3	1
13	Comparisons Study of Phosphate Removal in Un aerated and Aerated High Calcium Steel Slag Filter System of Different pH Feed. <i>MATEC Web of Conferences</i> , 2017 , 103, 06018	0.3	4
12	Application of Agricultural Wastes Activated Carbon for Dye Removal [An Overview. <i>MATEC Web of Conferences</i> , 2017 , 103, 06013	0.3	10
11	Potential Study of Water Extraction from Selected Plants. <i>MATEC Web of Conferences</i> , 2017 , 103, 04023	0.3	
10	Aerated steel slag filter system performance study for pollutants removal from domestic wastewater. <i>MATEC Web of Conferences</i> , 2017 , 87, 03012	0.3	
9	Study of The Maximum Uptake Capacity on Various Sizes of Electric Arc Furnace Slag in Phosphorus Aqueous Solutions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 136, 012060	0.4	4
8	Effect of Phosphoric Acid Concentration on the Characteristics of Sugarcane Bagasse Activated Carbon. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 136, 012061	0.4	4
7	A Potential Waste to be Selected as Media for Metal and Nutrient Removal. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 136, 012051	0.4	4
6	CHARACTERIZATION OF PHOSPHORIC ACID IMPREGNATED ACTIVATED CARBON PRODUCED FROM HONEYDEW PEEL. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 76,	1.2	3
5	Watermelon Rind: A Potential Adsorbent for Zinc Removal. <i>Applied Mechanics and Materials</i> , 2014 , 680, 146-149	0.3	11
4	Nitrate Removal from Domestic Wastewater by Using Denitrification Limestone Filter. <i>Advanced Materials Research</i> , 2014 , 1051, 578-582	0.5	
3	STUDY OF IN-FILTER PHOSPHORUS REMOVAL MECHANISMS IN AN AERATED BLAST FURNACE SLAG. <i>International Journal of Research in Engineering and Technology</i> , 2013 , 02, 130-136		3
2	The effect of aerated rock filter geometry on the rate of nitrogen removal from facultative pond effluents. <i>Water Science and Technology</i> , 2011 , 63, 841-4	2.2	2
1	A Bench Model Design of Gravitational Aeration Tower System as Treatment System for Iron Removal in Groundwater. <i>IOP Conference Series: Materials Science and Engineering</i> , 991 , 012099	0.4	