Mahmoud M Abdel Daiem

List of Publications by Year
in descending order

21 papers	897 citations	567281 15 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	1181 citing authors

#	Article	IF	Citations
1	Environmental impact of phthalic acid esters and their removal from water and sediments by different technologies â€" A review. Journal of Environmental Management, 2012, 109, 164-178.	7.8	239
2	Comparative study of the photodegradation of bisphenol A by HO, SO4â˜' and CO3â˜'/HCO3 radicals in aqueous phase. Science of the Total Environment, 2013, 463-464, 423-431.	8.0	120
3	Modeling adsorption rate of organic micropollutants present in landfill leachates onto granular activated carbon. Journal of Colloid and Interface Science, 2012, 385, 174-182.	9.4	76
4	Influence of densification parameters on quality properties of rice straw pellets. Fuel Processing Technology, 2015, 138, 56-64.	7.2	63
5	Sustainable waste management of medical waste in African developing countries: A narrative review. Waste Management and Research, 2021, 39, 1149-1163.	3.9	59
6	Adsorption/bioadsorption of phthalic acid, an organic micropollutant present in landfill leachates, on activated carbons. Journal of Colloid and Interface Science, 2012, 369, 358-365.	9.4	52
7	Role of activated carbon in the photocatalytic degradation of 2,4-dichlorophenoxyacetic acid by the UV/TiO2/activated carbon system. Applied Catalysis B: Environmental, 2012, 126, 100-107.	20.2	33
8	Treatment of water contaminated with diphenolic acid by gamma radiation in the presence of different compounds. Chemical Engineering Journal, 2013, 219, 371-379.	12.7	33
9	Single, competitive, and dynamic adsorption on activated carbon of compounds used as plasticizers and herbicides. Science of the Total Environment, 2015, 537, 335-342.	8.0	31
10	Prediction of biogas production from anaerobic co-digestion of waste activated sludge and wheat straw using two-dimensional mathematical models and an artificial neural network. Renewable Energy, 2021, 178, 226-240.	8.9	26
11	Removal of compounds used as plasticizers and herbicides from water by means of gamma irradiation. Science of the Total Environment, 2016, 569-570, 518-526.	8.0	22
12	Modeling and optimization of semi-continuous anaerobic co-digestion of activated sludge and wheat straw using Nonlinear Autoregressive Exogenous neural network and seagull algorithm. Energy, 2022, 241, 122939.	8.8	22
13	Potential energy from residual biomass of rice straw and sewage sludge in Egypt. Procedia Manufacturing, 2018, 22, 818-825.	1.9	19
14	Reduction of Ash Sintering Precursor Components in Rice Straw by Water Washing. BioResources, 2014, 9, .	1.0	16
15	Energetic, economic, and environmental perspectives of power generation from residual biomass in Saudi Arabia. AEJ - Alexandria Engineering Journal, 2022, 61, 3351-3364.	6.4	15
16	Application of an artificial neural network for the improvement of agricultural drainage water quality using a submerged biofilter. Environmental Science and Pollution Research, 2021, 28, 5854-5866.	5.3	14
17	Adsorption mechanism and modelling of hydrocarbon contaminants onto rice straw activated carbons. Polish Journal of Chemical Technology, 2019, 21, 1-12.	0.5	14
18	Identifying the Barriers to Sustainable Management of Construction and Demolition Waste in Developed and Developing Countries. Sustainability, 2022, 14, 7532.	3.2	14

#	Article	IF	Citations
19	Analysis of energy and greenhouse gas emissions of rice straw to energy chain in Egypt. BioResources, 2020, 15, 1510-1520.	1.0	12
20	An initial study about the effect of activated carbon nano-sheets from residual biomass of olive trees pellets on the properties of alkali-activated slag pastes. Journal of Building Engineering, 2021, 44, 102661.	3.4	9
21	Structural-Property Relationship in Activated Carbon Synthesized from Rice Straw for Electronic Application. Polish Journal of Environmental Studies, 2020, 29, 3535-3547.	1.2	8