M Azharul Islam

List of Publications by Year in Descending Order

46 papers	2,250 citations	21 h-index	46 g-index
46 ext. papers	2,658 ext. citations	6.3 avg, IF	5.38 L-index

#	Paper	IF	Citations
46	Adsorption of Phosphate Ions on Chicken Feather Hydrochar and Hydrochar-Soil Mixtures. *Water, Air, and Soil Pollution*, **2021**, 232, 1	2.6	0
45	Chemical modification of betel nut husk prepared by sodium hydroxide for methylene blue adsorption. *Applied Water Science*, **2021**, 11, 1	5	3
44	Chromium Contamination from Tanning Industries and Phytoremediation Potential of Native Plants: A Study of Savar Tannery Industrial Estate in Dhaka, Bangladesh. *Bulletin of Environmental Contamination and Toxicology*, **2021**, 106, 1024-1032	2.7	9
43	Hydrochar-based soil amendments for agriculture: a review of recent progress. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	7
42	Conversion of chicken feather waste via hydrothermal carbonization: process optimization and the effect of hydrochar on seed germination of Acacia auriculiformis. *Journal of Material Cycles and Waste Management*, **2021**, 23, 1177-1188	3.4	2
41	Nitrate contamination of water in dug wells and associated health risks of rural communities in southwest Bangladesh. *Environmental Monitoring and Assessment*, **2020**, 192, 163	3.1	9
40	Insights into the modeling, characterization and adsorption performance of mesoporous activated carbon from corn cob residue via microwave-assisted H3PO4 activation. *Surfaces and Interfaces*, **2020**, 21, 100688	4.1	33
39	Adsorption of methylene blue onto betel nut husk-based activated carbon prepared by sodium hydroxide activation process. *Water Science and Technology*, **2020**, 82, 1932-1949	2.2	15
38	NaOH-Activated Betel Nut Husk Hydrochar for Efficient Adsorption of Methylene Blue Dye. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	11
37	Potential ecological risk of metal pollution in lead smelter-contaminated agricultural soils in Khulna, Bangladesh. *Environmental Monitoring and Assessment*, **2019**, 191, 351	3.1	6
36	Trace elements in rice grain and agricultural soils: assessment of health risk of inhabitants near a former secondary lead smelter in Khulna, Bangladesh. *Environmental Geochemistry and Health*, **2019**, 41, 2521-2532	4.7	10
35	Pyrolysis kinetic study on waste particle residue from particle board industry. *Journal of the Indian Academy of Wood Science*, **2019**, 16, 58-66	0.8	
34	Characterization of solid biofuel produced from banana stalk via hydrothermal carbonization. *Biomass Conversion and Biorefinery*, **2019**, 9, 651-658	2.3	15
33	Evaluation of harvested rainwater quality at primary schools of southwest coastal Bangladesh. *Environmental Monitoring and Assessment*, **2019**, 191, 80	3.1	8
32	Chitosan–bleaching earth clay composite as an efficient adsorbent for carbon dioxide adsorption: Process optimization. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 554, 9-15	5.1	11
31	Mesoporous activated carbon prepared from NaOH activation of rattan (Lacosperma secundiflorum) hydrochar for methylene blue removal. *Ecotoxicology and Environmental Safety*, **2017**, 138, 279-285	7	166
30	Nanoporous activated carbon prepared from karanj (Pongamia pinnata) fruit hulls for methylene blue adsorption. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 74, 96-104	5.3	111

29	Cross-linked chitosan thin film coated onto glass plate as an effective adsorbent for adsorption of reactive orange 16. *International Journal of Biological Macromolecules*, **2017**, 95, 743-749	7.9	46
28	Mesoporous activated coconut shell-derived hydrochar prepared via hydrothermal carbonization-NaOH activation for methylene blue adsorption. *Journal of Environmental Management*, **2017**, 203, 237-244	7.9	187
27	Hybrid particleboard from kadam (Anthocephalus chinensis) reinforced with dhaincha (Sesbania aculeata): effects of particle mixing ratio on physical and mechanical properties. *Journal of the Indian Academy of Wood Science*, **2017**, 14, 115-121	0.8	1
26	Human hair-derived high surface area porous carbon material for the adsorption isotherm and kinetics of tetracycline antibiotics. *Bioresource Technology*, **2017**, 243, 778-784	11	113
25	A thermogravimetric analysis of the combustion kinetics of karanja (Pongamia pinnata) fruit hulls char. *Bioresource Technology*, **2016**, 200, 335-41	11	77
24	Flat pressed Pongamia pinnata wood-flour/polypropylene composite loaded with talc: a statistical optimization. *Journal of the Indian Academy of Wood Science*, **2016**, 13, 91-100	0.8	1
23	Production of mahogany sawdust reinforced LDPE wood plastic composites using statistical response surface methodology. *Journal of Forestry Research*, **2015**, 26, 487-494	2	2
22	Calcium alginate bentonite activated carbon composite beads as highly effective adsorbent for methylene blue. *Chemical Engineering Journal*, **2015**, 270, 621-630	14.7	209
21	Combustion kinetics of hydrochar produced from hydrothermal carbonisation of Karanj (Pongamia pinnata) fruit hulls via thermogravimetric analysis. *Bioresource Technology*, **2015**, 194, 14-20	11	59
20	Adsorption of 2,4-dichlorophenoxyacetic acid by mesoporous activated carbon prepared from H3PO4-activated langsat empty fruit bunch. *Journal of Environmental Management*, **2015**, 154, 138-44	7.9	60
19	Methylene blue adsorption on factory-rejected tea activated carbon prepared by conjunction of hydrothermal carbonization and sodium hydroxide activation processes. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 52, 57-64	5.3	111
18	Mesoporous and adsorptive properties of palm date seed activated carbon prepared via sequential hydrothermal carbonization and sodium hydroxide activation. *Chemical Engineering Journal*, **2015**, 270, 187-195	14.7	138
17	Pyrolysis kinetics of raw and hydrothermally carbonized Karanj (Pongamia pinnata) fruit hulls via thermogravimetric analysis. *Bioresource Technology*, **2015**, 179, 227-233	11	78
16	Utilization of sky fruit husk agricultural waste to produce high quality activated carbon for the herbicide bentazon adsorption. *Chemical Engineering Journal*, **2014**, 251, 183-191	14.7	69
15	Adsorption of carbon dioxide by sodium hydroxide-modified granular coconut shell activated carbon in a fixed bed. *Energy*, **2014**, 77, 926-931	7.9	49
14	Preparation of mesoporous activated carbon from coconut frond for the adsorption of carbofuran insecticide. *Journal of Analytical and Applied Pyrolysis*, **2014**, 110, 172-180	6	66
13	Optimization of thermally-compressed wood of Trewia nudiflora species using statistical Box Behnken design and desirability function. *Journal of the Indian Academy of Wood Science*, **2014**, 11, 5-14	0.8	3
12	Physical and Mechanical Properties of UF Bonded and Without Binding Agent Bagasse MDF. *Asian Journal of Applied Sciences*, **2013**, 7, 45-50	0.4	4

11	Multiresponse optimization based on statistical response surface methodology and desirability function for the production of particleboard. *Composites Part B: Engineering*, **2012**, 43, 861-868	10	37
10	Adsorption of direct yellow 27 from water by poorly crystalline hydroxyapatite prepared via precipitation method. *Desalination and Water Treatment*, **2012**, 41, 170-178		16
9	Statistical optimisation by combination of response surface methodology and desirability function for removal of azo dye from aqueous solution. *International Journal of Environmental Analytical Chemistry*, **2010**, 90, 497-509	1.8	13
8	Adsorption-desorption study of bromophos methyl and quinalphos in Greek soils. *International Journal of Environmental Analytical Chemistry*, **2010**, 90, 357-368	1.8	4
7	Photocatalytic degradation using design of experiments: a review and example of the Congo red degradation. *Journal of Hazardous Materials*, **2010**, 175, 33-44	12.8	242
6	Preparation of activated carbons from agricultural residues for pesticide adsorption. *Chemosphere*, **2010**, 80, 1328-36	8.4	108
5	Efficiency of TiO2 photocatalytic degradation of HHCB (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[]-2-benzopyran) in natural aqueous solutions by nested experimental design and mechanism of degradation. *Applied Catalysis B: Environmental*, **2010**, 99, 314-320	21.8	17
4	Application of statistical design of experiment with desirability function for the removal of organophosphorus pesticide from aqueous solution by low-cost material. *Journal of Hazardous Materials*, **2009**, 170, 230-8	12.8	85
3	TiO2/H2O2 mediated photocatalytic transformation of UV filter 4-methylbenzylidene camphor (4-MBC) in aqueous phase: Statistical optimization and photoproduct analysis. *Applied Catalysis B: Environmental*, **2009**, 90, 526-534	21.8	36
2	Manufacture and Properties of Particleboard from Dhaincha (Sesbania aculeata). *Journal of Biological Sciences*, **2006**, 6, 417-419	0.4	3
1	Multi-response optimization for the production of Albizia saman bark hydrochar through hydrothermal carbonization: characterization and pyrolysis kinetic study. *Biomass Conversion and Biorefinery*,1	2.3	0