

# M Azharul Islam

## List of Publications by Citations

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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	Photocatalytic degradation using design of experiments: a review and example of the Congo red degradation. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 175, 33-44	12.8	242
45	Calcium alginate-Bentonite-activated carbon composite beads as highly effective adsorbent for methylene blue. <i>Chemical Engineering Journal</i> , <b>2015</b> , 270, 621-630	14.7	209
44	Mesoporous activated coconut shell-derived hydrochar prepared via hydrothermal carbonization-NaOH activation for methylene blue adsorption. <i>Journal of Environmental Management</i> , <b>2017</b> , 203, 237-244	7.9	187
43	Mesoporous activated carbon prepared from NaOH activation of rattan ( <i>Lacosperma secundiflorum</i> ) hydrochar for methylene blue removal. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 138, 279-285	7	166
42	Mesoporous and adsorptive properties of palm date seed activated carbon prepared via sequential hydrothermal carbonization and sodium hydroxide activation. <i>Chemical Engineering Journal</i> , <b>2015</b> , 270, 187-195	14.7	138
41	Human hair-derived high surface area porous carbon material for the adsorption isotherm and kinetics of tetracycline antibiotics. <i>Bioresource Technology</i> , <b>2017</b> , 243, 778-784	11	113
40	Nanoporous activated carbon prepared from karanj ( <i>Pongamia pinnata</i> ) fruit hulls for methylene blue adsorption. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 74, 96-104	5.3	111
39	Methylene blue adsorption on factory-rejected tea activated carbon prepared by conjunction of hydrothermal carbonization and sodium hydroxide activation processes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2015</b> , 52, 57-64	5.3	111
38	Preparation of activated carbons from agricultural residues for pesticide adsorption. <i>Chemosphere</i> , <b>2010</b> , 80, 1328-36	8.4	108
37	Application of statistical design of experiment with desirability function for the removal of organophosphorus pesticide from aqueous solution by low-cost material. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 170, 230-8	12.8	85
36	Pyrolysis kinetics of raw and hydrothermally carbonized Karanj ( <i>Pongamia pinnata</i> ) fruit hulls via thermogravimetric analysis. <i>Bioresource Technology</i> , <b>2015</b> , 179, 227-233	11	78
35	A thermogravimetric analysis of the combustion kinetics of karanja ( <i>Pongamia pinnata</i> ) fruit hulls char. <i>Bioresource Technology</i> , <b>2016</b> , 200, 335-41	11	77
34	Utilization of sky fruit husk agricultural waste to produce high quality activated carbon for the herbicide bentazon adsorption. <i>Chemical Engineering Journal</i> , <b>2014</b> , 251, 183-191	14.7	69
33	Preparation of mesoporous activated carbon from coconut frond for the adsorption of carbofuran insecticide. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2014</b> , 110, 172-180	6	66
32	Adsorption of 2,4-dichlorophenoxyacetic acid by mesoporous activated carbon prepared from H <sub>3</sub> PO <sub>4</sub> -activated langsat empty fruit bunch. <i>Journal of Environmental Management</i> , <b>2015</b> , 154, 138-44	7.9	60
31	Combustion kinetics of hydrochar produced from hydrothermal carbonisation of Karanj ( <i>Pongamia pinnata</i> ) fruit hulls via thermogravimetric analysis. <i>Bioresource Technology</i> , <b>2015</b> , 194, 14-20	11	59
30	Adsorption of carbon dioxide by sodium hydroxide-modified granular coconut shell activated carbon in a fixed bed. <i>Energy</i> , <b>2014</b> , 77, 926-931	7.9	49

29	Cross-linked chitosan thin film coated onto glass plate as an effective adsorbent for adsorption of reactive orange 16. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 743-749	7.9	46
28	Multiresponse optimization based on statistical response surface methodology and desirability function for the production of particleboard. <i>Composites Part B: Engineering</i> , <b>2012</b> , 43, 861-868	10	37
27	TiO <sub>2</sub> /H <sub>2</sub> O <sub>2</sub> mediated photocatalytic transformation of UV filter 4-methylbenzylidene camphor (4-MBC) in aqueous phase: Statistical optimization and photoproduct analysis. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 90, 526-534	21.8	36
26	Insights into the modeling, characterization and adsorption performance of mesoporous activated carbon from corn cob residue via microwave-assisted H <sub>3</sub> PO <sub>4</sub> activation. <i>Surfaces and Interfaces</i> , <b>2020</b> , 21, 100688	4.1	33
25	Efficiency of TiO <sub>2</sub> photocatalytic degradation of HHCB (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[1,2-benzopyran) in natural aqueous solutions by nested experimental design and mechanism of degradation. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 99, 314-320	21.8	17
24	Adsorption of direct yellow 27 from water by poorly crystalline hydroxyapatite prepared via precipitation method. <i>Desalination and Water Treatment</i> , <b>2012</b> , 41, 170-178		16
23	Characterization of solid biofuel produced from banana stalk via hydrothermal carbonization. <i>Biomass Conversion and Biorefinery</i> , <b>2019</b> , 9, 651-658	2.3	15
22	Adsorption of methylene blue onto betel nut husk-based activated carbon prepared by sodium hydroxide activation process. <i>Water Science and Technology</i> , <b>2020</b> , 82, 1932-1949	2.2	15
21	Statistical optimisation by combination of response surface methodology and desirability function for removal of azo dye from aqueous solution. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2010</b> , 90, 497-509	1.8	13
20	Chitosan bleaching earth clay composite as an efficient adsorbent for carbon dioxide adsorption: Process optimization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 554, 9-15	5.1	11
19	NaOH-Activated Betel Nut Husk Hydrochar for Efficient Adsorption of Methylene Blue Dye. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1	2.6	11
18	Trace elements in rice grain and agricultural soils: assessment of health risk of inhabitants near a former secondary lead smelter in Khulna, Bangladesh. <i>Environmental Geochemistry and Health</i> , <b>2019</b> , 41, 2521-2532	4.7	10
17	Nitrate contamination of water in dug wells and associated health risks of rural communities in southwest Bangladesh. <i>Environmental Monitoring and Assessment</i> , <b>2020</b> , 192, 163	3.1	9
16	Chromium Contamination from Tanning Industries and Phytoremediation Potential of Native Plants: A Study of Savar Tannery Industrial Estate in Dhaka, Bangladesh. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2021</b> , 106, 1024-1032	2.7	9
15	Evaluation of harvested rainwater quality at primary schools of southwest coastal Bangladesh. <i>Environmental Monitoring and Assessment</i> , <b>2019</b> , 191, 80	3.1	8
14	Hydrochar-based soil amendments for agriculture: a review of recent progress. <i>Arabian Journal of Geosciences</i> , <b>2021</b> , 14, 1	1.8	7
13	Potential ecological risk of metal pollution in lead smelter-contaminated agricultural soils in Khulna, Bangladesh. <i>Environmental Monitoring and Assessment</i> , <b>2019</b> , 191, 351	3.1	6
12	Adsorption-desorption study of bromophos methyl and quinalphos in Greek soils. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2010</b> , 90, 357-368	1.8	4

11	Physical and Mechanical Properties of UF Bonded and Without Binding Agent Bagasse MDF. <i>Asian Journal of Applied Sciences</i> , <b>2013</b> , 7, 45-50	0.4	4
10	Optimization of thermally-compressed wood of <i>Trewia nudiflora</i> species using statistical BoxBehnken design and desirability function. <i>Journal of the Indian Academy of Wood Science</i> , <b>2014</b> , 11, 5-14	0.8	3
9	Manufacture and Properties of Particleboard from Dhaincha ( <i>Sesbania aculeata</i> ). <i>Journal of Biological Sciences</i> , <b>2006</b> , 6, 417-419	0.4	3
8	Chemical modification of betel nut husk prepared by sodium hydroxide for methylene blue adsorption. <i>Applied Water Science</i> , <b>2021</b> , 11, 1	5	3
7	Production of mahogany sawdust reinforced LDPE woodplastic composites using statistical response surface methodology. <i>Journal of Forestry Research</i> , <b>2015</b> , 26, 487-494	2	2
6	Conversion of chicken feather waste via hydrothermal carbonization: process optimization and the effect of hydrochar on seed germination of <i>Acacia auriculiformis</i> . <i>Journal of Material Cycles and Waste Management</i> , <b>2021</b> , 23, 1177-1188	3.4	2
5	Hybrid particleboard from kadam ( <i>Anthocephalus chinensis</i> ) reinforced with dhaincha ( <i>Sesbania aculeata</i> ): effects of particle mixing ratio on physical and mechanical properties. <i>Journal of the Indian Academy of Wood Science</i> , <b>2017</b> , 14, 115-121	0.8	1
4	Flat pressed <i>Pongamia pinnata</i> wood-flour/polypropylene composite loaded with talc: a statistical optimization. <i>Journal of the Indian Academy of Wood Science</i> , <b>2016</b> , 13, 91-100	0.8	1
3	Adsorption of Phosphate Ions on Chicken Feather Hydrochar and Hydrochar-Soil Mixtures. <i>Water, Air, and Soil Pollution</i> , <b>2021</b> , 232, 1	2.6	0
2	Multi-response optimization for the production of <i>Albizia saman</i> bark hydrochar through hydrothermal carbonization: characterization and pyrolysis kinetic study. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
1	Pyrolysis kinetic study on waste particle residue from particle board industry. <i>Journal of the Indian Academy of Wood Science</i> , <b>2019</b> , 16, 58-66	0.8	