M Azharul Islam

List of Publications by Year
in descending order

46	3,081	279487 23	233125 45
papers	citations	h-index	g-index

46	46	46	3762
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic degradation using design of experiments: A review and example of the Congo red degradation. Journal of Hazardous Materials, 2010, 175, 33-44.	6.5	286
2	Calcium alginateâ€“bentoniteâ€“activated carbon composite beads as highly effective adsorbent for methylene blue. Chemical Engineering Journal, 2015, 270, 621-630.	6.6	276
3	Mesoporous activated coconut shell-derived hydrochar prepared via hydrothermal carbonization-NaOH activation for methylene blue adsorption. Journal of Environmental Management, 2017, 203, 237-244.	3.8	273
4	Mesoporous activated carbon prepared from NaOH activation of rattan (Lacosperma secundiflorum) hydrochar for methylene blue removal. Ecotoxicology and Environmental Safety, 2017, 138, 279-285.	2.9	257
5	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.	2.7	173
6	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.	6.6	165
7	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.	2.7	145
8	Human hair-derived high surface area porous carbon material for the adsorption isotherm and kinetics of tetracycline antibiotics. Bioresource Technology, 2017, 243, 778-784.	4.8	142
9	Preparation of activated carbons from agricultural residues for pesticide adsorption. Chemosphere, 2010, 80, 1328-1336.	4.2	139
10	A thermogravimetric analysis of the combustion kinetics of karanja (Pongamia pinnata) fruit hulls char. Bioresource Technology, 2016, 200, 335-341.	4.8	102
11	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, 230-238.	6.5	91
12	Pyrolysis kinetics of raw and hydrothermally carbonized Karanj (Pongamia pinnata) fruit hulls via thermogravimetric analysis. Bioresource Technology, 2015, 179, 227-233.	4.8	91
13	Preparation of mesoporous activated carbon from coconut frond for the adsorption of carbofuran insecticide. Journal of Analytical and Applied Pyrolysis, 2014, 110, 172-180.	2.6	88
14	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.	6.6	84
15	Adsorption of carbon dioxide by sodium hydroxide-modified granular coconut shell activated carbon in a fixed bed. Energy, 2014, 77, 926-931.	4.5	81
16	Adsorption of 2,4-dichlorophenoxyacetic acid by mesoporous activated carbon prepared from H3PO4-activated langsat empty fruit bunch. Journal of Environmental Management, 2015, 154, 138-144.	3.8	80
17	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.	1.5	77
18	Combustion kinetics of hydrochar produced from hydrothermal carbonisation of Karanj (Pongamia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.8	67

#	Article	IF	Citations
19	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.	3.6	59
20	Multiresponse optimization based on statistical response surface methodology and desirability function for the production of particleboard. Composites Part B: Engineering, 2012, 43, 861-868.	5.9	41
21	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.	10.8	40
22	Hydrochar-based soil amendments for agriculture: a review of recent progress. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	35
23	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.	1.2	28
24	Nitrate contamination of water in dug wells and associated health risks of rural communities in southwest Bangladesh. Environmental Monitoring and Assessment, 2020, 192, 163.	1.3	25
25	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.	1.3	22
26	Characterization of solid biofuel produced from banana stalk via hydrothermal carbonization. Biomass Conversion and Biorefinery, 2019, 9, 651-658.	2.9	21
27	NaOH-Activated Betel Nut Husk Hydrochar for Efficient Adsorption of Methylene Blue Dye. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	21
28	Evaluation of harvested rainwater quality at primary schools of southwest coastal Bangladesh. Environmental Monitoring and Assessment, 2019, 191, 80.	1.3	20
29	Efficiency of TiO2 photocatalytic degradation of HHCB (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[Î³]-2-benzopyran) in natural aqueous solutions by nested experimental design and mechanism of degradation. Applied Catalysis B: Environmental, 2010, 99, 314-320.	10.8	18
30	Adsorption of direct yellow 27 from water by poorly crystalline hydroxyapatite prepared via precipitation method. Desalination and Water Treatment, 2012, 41, 170-178.	1.0	18
31	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	17
32	Chitosanâ€“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.	2.3	17
33	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.	1.8	15
34	Potential ecological risk of metal pollution in lead smelter-contaminated agricultural soils in Khulna, Bangladesh. Environmental Monitoring and Assessment, 2019, 191, 351.	1.3	12
35	Chemical modification of betel nut husk prepared by sodium hydroxide for methylene blue adsorption. Applied Water Science, 2021, 11, 1.	2.8	8
36	Multi-response optimization for the production of Albizia saman bark hydrochar through hydrothermal carbonization: characterization and pyrolysis kinetic study. Biomass Conversion and Biorefinery, 2022, 12, 5783-5797.	2.9	7

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37	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.	1.6	7
38	Physical and Mechanical Properties of UF Bonded and Without Binding Agent Bagasse MDF. Asian Journal of Applied Sciences, 2013, 7, 45-50.	0.4	7
39	Adsorption-desorption study of bromophos methyl and quinalphos in Greek soils. International Journal of Environmental Analytical Chemistry, 2010, 90, 357-368.	1.8	6
40	Adsorption of Phosphate Ions on Chicken Feather Hydrochar and Hydrochar-Soil Mixtures. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	6
41	Manufacture and Properties of Particleboard from Dhaincha (Sesbania aculeata). Journal of Biological Sciences, 2006, 6, 417-419.	0.1	5
42	Optimization of thermally-compressed wood of Trewia nudiflora species using statistical Boxâ€“Behnken design and desirability function. Journal of the Indian Academy of Wood Science, 2014, 11, 5-14.	0.3	3
43	Production of mahogany sawdust reinforced LDPE woodâ€“plastic composites using statistical response surface methodology. Journal of Forestry Research, 2015, 26, 487-494.	1.7	2
44	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.	0.3	2
45	Hybrid particleboard from kadam (Anthocephalus chinensis) reinforced with dhaincha (Sesbania) Tj ETQq1 1 0.784314 rgBT /Overlock Academy of Wood Science, 2017, 14, 115-121.	0.3	2
46	Pyrolysis kinetic study on waste particle residue from particle board industry. Journal of the Indian Academy of Wood Science, 2019, 16, 58-66.	0.3	0