

# Md Islam

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,814  
citations

331538

21  
h-index

414303

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1704  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic activity improvement and application of UV-TiO <sub>2</sub> photocatalysis in textile wastewater treatment: A review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103248.	3.3	565
2	Biochar properties and lead(II) adsorption capacity depend on feedstock type, pyrolysis temperature, and steam activation. <i>Chemosphere</i> , 2019, 231, 393-404.	4.2	195
3	Biochar surface complexation and Ni(II), Cu(II), and Cd(II) adsorption in aqueous solutions depend on feedstock type. <i>Science of the Total Environment</i> , 2020, 712, 136538.	3.9	137
4	The impacts of ozonation on oil sands process-affected water biodegradability and biofilm formation characteristics in bioreactors. <i>Bioresource Technology</i> , 2013, 130, 269-277.	4.8	89
5	Biochar heavy metal removal in aqueous solution depends on feedstock type and pyrolysis purging gas. <i>Environmental Pollution</i> , 2021, 281, 117094.	3.7	76
6	Carboxyl and hydroxyl groups enhance ammonium adsorption capacity of iron (III) chloride and hydrochloric acid modified biochars. <i>Bioresource Technology</i> , 2020, 309, 123390.	4.8	64
7	Advanced Analytical Mass Spectrometric Techniques and Bioassays to Characterize Untreated and Ozonated Oil Sands Process-Affected Water. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11090-11099.	4.6	55
8	Microbial community structure and operational performance of a fluidized bed biofilm reactor treating oil sands process-affected water. <i>International Biodeterioration and Biodegradation</i> , 2014, 91, 111-118.	1.9	54
9	Isotherm and kinetic studies on adsorption of oil sands process-affected water organic compounds using granular activated carbon. <i>Chemosphere</i> , 2018, 202, 716-725.	4.2	53
10	Granular activated carbon for simultaneous adsorption and biodegradation of toxic oil sands process-affected water organic compounds. <i>Journal of Environmental Management</i> , 2015, 152, 49-57.	3.8	48
11	Photocatalytic performance assessment of GO and Ag co-synthesized TiO <sub>2</sub> nanocomposite for the removal of methyl orange dye under solar irradiation. <i>Environmental Technology and Innovation</i> , 2021, 22, 101537.	3.0	47
12	Heat-activated potassium persulfate treatment of Sudan Black B dye: Degradation kinetic and thermodynamic studies. <i>Journal of Water Process Engineering</i> , 2021, 39, 101690.	2.6	42
13	The Analysis of Goldfish ( <i>Carassius auratus</i> L.) Innate Immune Responses After Acute and Subchronic Exposures to Oil Sands Process-Affected Water. <i>Toxicological Sciences</i> , 2014, 138, 59-68.	1.4	37
14	Next-Generation Pyrosequencing Analysis of Microbial Biofilm Communities on Granular Activated Carbon in Treatment of Oil Sands Process-Affected Water. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4037-4048.	1.4	34
15	The impact of various ozone pretreatment doses on the performance of endogenous microbial communities for the remediation of oil sands process-affected water. <i>International Biodeterioration and Biodegradation</i> , 2015, 100, 17-28.	1.9	32
16	Comparative degradation study of remazol black B dye using electro-coagulation and electro-Fenton process: Kinetics and cost analysis. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100335.	1.7	32
17	Mechanistic investigation of industrial wastewater naphthenic acids removal using granular activated carbon (GAC) biofilm based processes. <i>Science of the Total Environment</i> , 2016, 541, 238-246.	3.9	30
18	Understanding the similarities and differences between ozone and peroxone in the degradation of naphthenic acids: Comparative performance for potential treatment. <i>Chemosphere</i> , 2017, 180, 149-159.	4.2	27

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19	Impact of ozonation pre-treatment of oil sands process-affected water on the operational performance of a GAC-fluidized bed biofilm reactor. <i>Biodegradation</i> , 2014, 25, 811-823.	1.5	26
20	Sudan black B dye degradation in aqueous solution by Fenton oxidation process: Kinetics and cost analysis. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100126.	2.9	25
21	Prediction of naphthenic acid species degradation by kinetic and surrogate models during the ozonation of oil sands process-affected water. <i>Science of the Total Environment</i> , 2014, 493, 282-290.	3.9	23
22	Dynamics of microbial community structure and nutrient removal from an innovative side-stream enhanced biological phosphorus removal process. <i>Journal of Environmental Management</i> , 2017, 198, 300-307.	3.8	22
23	MoO <sub>3</sub> and Ag co-synthesized TiO <sub>2</sub> as a novel heterogeneous photocatalyst with enhanced visible-light-driven photocatalytic activity for methyl orange dye degradation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100244.	1.7	21
24	Recent advances and perspective of electrocoagulation in the treatment of wastewater: A review. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100643.	1.7	19
25	A comparative study of microbial dynamics and phosphorus removal for a two side-stream wastewater treatment processes. <i>RSC Advances</i> , 2017, 7, 45938-45948.	1.7	15
26	Solar-TiO <sub>2</sub> immobilized photocatalytic reactors performance assessment in the degradation of methyl orange dye in aqueous solution. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100514.	1.7	11
27	Physico-Chemical Processes. <i>Water Environment Research</i> , 2010, 82, 997-1072.	1.3	10
28	A novel and highly efficient Ag and GO co-synthesized ZnO nano photocatalyst for methylene blue dye degradation under UV irradiation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100495.	1.7	10
29	Biological Fixed Film. <i>Water Environment Research</i> , 2011, 83, 1150-1186.	1.3	7
30	Biological Fixed Film. <i>Water Environment Research</i> , 2012, 84, 1081-1113.	1.3	3
31	Biological Fixed Film. <i>Water Environment Research</i> , 2013, 85, 1060-1091.	1.3	3
32	Laboratory Scale Production of Commercial Grade Calcium Carbonate from Lime-Soda Process. <i>Chemical Engineering Research Bulletin</i> , 2008, 12, .	0.2	2
33	Biological Fixed Film. <i>Water Environment Research</i> , 2014, 86, 1070-1100.	1.3	0
34	From the value chain to environmental management of used lube oil: A baseline study in Bangladesh. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100159.	2.9	0