Tanveer M Adyel

List of Publications by Year
in descending order

33 papers	1,136 citations	567281 15 h-index	526287 27 g-index
37 all docs	37 docs citations	37 times ranked	1077 citing authors

#	Article	IF	Citations
1	Accumulation of plastic waste during COVID-19. Science, 2020, 369, 1314-1315.	12.6	372
2	Assessment of Heavy Metal Contamination of Agricultural Soil around Dhaka Export Processing Zone (DEPZ), Bangladesh: Implication of Seasonal Variation and Indices. Applied Sciences (Switzerland), 2012, 2, 584-601.	2.5	181
3	Effects of biofilm colonization on the sinking of microplastics in three freshwater environments. Journal of Hazardous Materials, 2021, 413, 125370.	12.4	88
4	Distinct microbial metabolic activities of biofilms colonizing microplastics in three freshwater ecosystems. Journal of Hazardous Materials, 2021, 403, 123577.	12.4	81
5	Microbial carbon metabolic functions of biofilms on plastic debris influenced by the substrate types and environmental factors. Environment International, 2020, 143, 106007.	10.0	57
6	Biochar application as sustainable precursors for enhanced anaerobic digestion: A systematic review. Journal of Environmental Chemical Engineering, 2021, 9, 105489.	6.7	46
7	Stormwater nutrient attenuation in a constructed wetland with alternating surface and subsurface flow pathways: Event to annual dynamics. Water Research, 2016, 107, 66-82.	11.3	38
8	Waste plastic filter modified with polyaniline and polypyrrole nanoparticles for hexavalent chromium removal. Science of the Total Environment, 2021, 752, 141850.	8.0	38
9	Reduction of methane emissions from manganese-rich constructed wetlands: Role of manganese-dependent anaerobic methane oxidation. Chemical Engineering Journal, 2020, 387, 123402.	12.7	30
10	Aeration intensity simulation in a saturated vertical up-flow constructed wetland. Science of the Total Environment, 2020, 708, 134793.	8.0	24
11	Polystyrene nanoplastics change the functional traits of biofilm communities in freshwater environment revealed by GeoChip 5.0. Journal of Hazardous Materials, 2022, 423, 127117.	12.4	20
12	Biofilm influenced metal accumulation onto plastic debris in different freshwaters. Environmental Pollution, 2021, 285, 117646.	7.5	19
13	Storm event-scale nutrient attenuation in constructed wetlands experiencing a Mediterranean climate: A comparison of a surface flow and hybrid surface-subsurface flow system. Science of the Total Environment, 2017, 598, 1001-1014.	8.0	18
14	Temporal dynamics of stormwater nutrient attenuation of an urban constructed wetland experiencing summer low flows and macrophyte senescence. Ecological Engineering, 2017, 102, 641-661.	3.6	15
15	Periphytic Biofilm Formation on Natural and Artificial Substrates: Comparison of Microbial Compositions, Interactions, and Functions. Frontiers in Microbiology, 2021, 12, 684903.	3.5	15
16	Plastics in blue carbon ecosystems: a call for global cooperation on climate change goals. Lancet Planetary Health, The, 2022, 6, e2-e3.	11.4	15
17	Reuse Feasibility of Electrocoagulated Metal Hydroxide Sludge of Textile Industry in the Manufacturing of Building Blocks. Journal of Waste Management, 2013, 2013, 1-9.	0.5	14
18	World's Largest Mangrove Forest Becoming Plastic Cesspit. Frontiers in Marine Science, 2021, 8, .	2.5	13

#	Article	IF	Citations
19	Excessive Turbidity Removal from Textile Effluents Using Electrocoagulation Technique. Journal of Scientific Research, 2011, 3, 557-568.	0.3	12
20	Elevation Dependence of the Impact of Global Warming on Rainfall Variations in a Tropical Island. Water (Switzerland), 2020, 12, 3582.	2.7	8
21	Analysis of Heavy Metal in Electrocoagulated Metal Hydroxide Sludge (EMHS) from the Textile Industry by Energy Dispersive X-Ray Fluorescence (EDXRF). Metals, 2012, 2, 478-487.	2.3	7
22	Negative effects on the leaves of submerged macrophyte and associated biofilms growth at high nitrate induced-stress. Aquatic Toxicology, 2020, 226, 105559.	4.0	7
23	Removal of Lead from Battery Effluent by Electrocoagulation. Journal of the Bangladesh Academy of Sciences, 2015, 39, 125-134.	0.2	6
24	Optimizing nitrogen removal in a hybrid oxidation ditch. Journal of Environmental Chemical Engineering, 2021, 9, 105443.	6.7	6
25	A multi-functional and multi-compartment constructed wetland to support urban waterway restoration. Water Practice and Technology, 2018, 13, 764-770.	2.0	2
26	Australiaâ€™s plan to reduce plastic waste falls short. Science, 2021, 374, 163-164.	12.6	2
27	Can the carbon metabolic activity of biofilm be regulated by the hydrodynamic conditions in urban rivers?. Science of the Total Environment, 2022, 832, 155082.	8.0	2
28	Shifts of Resilience and Recovery of Aquatic Metabolism in Stormwater Green Infrastructure. Green Energy and Technology, 2019, , 40-45.	0.6	0
29	Enforce ban on plastic exports or it could backfire. Nature, 2021, 591, 34-34.	27.8	0
30	Sustainable and Economically Profitable Reuse of Bauxite Mining Waste with Life Cycle Assessment. , 2019, , 47-68.		0
31	Permanent Landfill and Stabilization for the Remediation of Municipal and Industrial Wastes. , 2019, , 177-196.		0
32	The Reuse and Recycling of Coal Mining Waste with Zero-Waste Approach by Technological Development and Integrated Management for Sustainable Growth and Benefits. , 2019, , 31-46.		0
33	Can the Carbon Metabolism Activity of Biofilm Be Regulated by the Hydrodynamic Conditions in Urban Rivers?. SSRN Electronic Journal, 0, , .	0.4	0