

# Md Ariful Ahsan

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

2,187  
citations

218677

26  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advancement of Biopolymers and Their Potential Biomedical Applications. <i>Journal of Polymers and the Environment</i> , 2022, 30, 51-74.	5.0	53
2	Controlling the Interfacial Charge Polarization of MOF-Derived 2D vdW Architectures as a Unique Strategy for Bifunctional Oxygen Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3919-3929.	8.0	63
3	Low-dimensional heterostructures for advanced electrocatalysis: an experimental and computational perspective. <i>Chemical Society Reviews</i> , 2022, 51, 812-828.	38.1	62
4	Magnetic responsive mesoporous alginate/β <sup>2</sup> -cyclodextrin polymer beads enhance selectivity and adsorption of heavy metal ions. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 826-840.	7.5	44
5	Magnetic biochar for removal of perfluorooctane sulphonate (PFOS): Interfacial interaction and adsorption mechanism. <i>Environmental Technology and Innovation</i> , 2022, 28, 102593.	6.1	16
6	Nature-inspired hierarchical materials for sensing and energy storage applications. <i>Chemical Society Reviews</i> , 2021, 50, 4856-4871.	38.1	49
7	Co-Cu Bimetallic Metal Organic Framework Catalyst Outperforms the Pt/C Benchmark for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 4064-4073.	13.7	175
8	A New Class of Molecular Electrocatalysts for Hydrogen Evolution: Catalytic Activity of M <sub>3</sub> N@C <sub>2n</sub> (2n = 68, 78, and 80) Fullerenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 6037-6042.	13.7	37
9	Magnetically separable mesoporous alginate polymer beads assist adequate removal of aqueous methylene blue over broad solution pH. <i>Journal of Cleaner Production</i> , 2021, 319, 128694.	9.3	20
10	Tuning the Intermolecular Electron Transfer of Low-Dimensional and Metal-Free BCN/C <sub>60</sub> Electrocatalysts via Interfacial Defects for Efficient Hydrogen and Oxygen Electrochemistry. <i>Journal of the American Chemical Society</i> , 2021, 143, 1203-1215.	13.7	140
11	Graphynes as emerging 2D-platforms for electronic and energy applications: a computational perspective. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6392-6412.	5.9	17
12	Theoretical and Experimental Insights into the Possible Interfacial Interactions between β <sup>2</sup> -Glucan and Fat Molecules in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13730-13743.	2.6	9
13	Nanoscale nickel metal organic framework decorated over graphene oxide and carbon nanotubes for water remediation. <i>Science of the Total Environment</i> , 2020, 698, 134214.	8.0	95
14	Tailoring the Interfacial Interactions of van der Waals 1T-MoS <sub>2</sub> /C <sub>60</sub> Heterostructures for High-Performance Hydrogen Evolution Reaction Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 17923-17927.	13.7	112
15	Tuning of Trifunctional NiCu Bimetallic Nanoparticles Confined in a Porous Carbon Network with Surface Composition and Local Structural Distortions for the Electrocatalytic Oxygen Reduction, Oxygen and Hydrogen Evolution Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 14688-14701.	13.7	231
16	Spent tea leaves templated synthesis of highly active and durable cobalt-based trifunctional versatile electrocatalysts for hydrogen and oxygen evolution and oxygen reduction reactions. <i>Green Chemistry</i> , 2020, 22, 6967-6980.	9.0	38
17	High cytotoxic activity of ZnO@leucovorin nanocomposite based materials against an MCF-7 cell model. <i>Analytical Methods</i> , 2020, 12, 2176-2184.	2.7	18
18	Facile benchtop reactor design using dendrimer-templating technology for the fabrication of polyethyleneimine-coated CuO nanoparticles on the gram scale. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, 041402.	2.1	1

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19	Fe nanoparticles encapsulated in MOF-derived carbon for the reduction of 4-nitrophenol and methyl orange in water. <i>Catalysis Communications</i> , 2019, 130, 105753.	3.3	75
20	Ultrafast catalytic reduction of environmental pollutants in water via MOF-derived magnetic Ni and Cu nanoparticles encapsulated in porous carbon. <i>Applied Surface Science</i> , 2019, 497, 143608.	6.1	79
21	3D printing of polyvinylidene fluoride/photopolymer resin blends for piezoelectric pressure sensing application using the stereolithography technique. <i>MRS Communications</i> , 2019, 9, 1115-1123.	1.8	26
22	Carbonization of Co-BDC MOF results in magnetic C@Co nanoparticles that catalyze the reduction of methyl orange and 4-nitrophenol in water. <i>Journal of Molecular Liquids</i> , 2019, 290, 111059.	4.9	76
23	Sustainable synthesis and remarkable adsorption capacity of MOF/graphene oxide and MOF/CNT based hybrid nanocomposites for the removal of Bisphenol A from water. <i>Science of the Total Environment</i> , 2019, 673, 306-317.	8.0	143
24	Fabrication of bulk piezoelectric and dielectric BaTiO <sub>3</sub> ceramics using paste extrusion 3D printing technique. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3685-3694.	3.8	69
25	Removal of methylene blue and tetracycline from water using peanut shell derived adsorbent prepared by sulfuric acid reflux. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102816.	6.7	61
26	Adsorptive removal of methylene blue, tetracycline and Cr(VI) from water using sulfonated tea waste. <i>Environmental Technology and Innovation</i> , 2018, 11, 23-40.	6.1	84
27	Conversion of waste tire rubber into a high-capacity adsorbent for the removal of methylene blue, methyl orange, and tetracycline from water. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3070-3082.	6.7	54
28	Biosorption of bisphenol A and sulfamethoxazole from water using sulfonated coffee waste: Isotherm, kinetic and thermodynamic studies. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6602-6611.	6.7	50
29	Adsorption of methylene blue and tetracycline onto biomass-based material prepared by sulfuric acid reflux. <i>RSC Advances</i> , 2018, 8, 32545-32557.	3.6	45
30	Bimetallic CoMoS Composite Anchored to Biocarbon Fibers as a High-Capacity Anode for Li-Ion Batteries. <i>ACS Omega</i> , 2018, 3, 10243-10249.	3.5	31
31	Biomass conversion of saw dust to a functionalized carbonaceous materials for the removal of Tetracycline, Sulfamethoxazole and Bisphenol A from water. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4329-4338.	6.7	65
32	Adsorptive Removal of Sulfamethoxazole and Bisphenol A from Contaminated Water using Functionalized Carbonaceous Material Derived from Tea Leaves. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4215-4225.	6.7	62
33	Sulfonated resorcinol-formaldehyde microspheres as high-capacity regenerable adsorbent for the removal of organic dyes from water. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5270-5279.	6.7	22
34	Sodium rhodizonate induced formation of gold nanoparticles supported on cellulose fibers for catalytic reduction of 4-nitrophenol and organic dyes. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4185-4193.	6.7	54