

# M A Islam

## List of Publications by Citations

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31  
papers

739  
citations

13  
h-index

27  
g-index

33  
ext. papers

842  
ext. citations

2.8  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
31	One-step wet-chemical synthesis of ternary ZnO/CuO/Co <sub>3</sub> O <sub>4</sub> nanoparticles for sensitive and selective melamine sensor development. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 4849-4858	3.6	113
30	Detection of uric acid based on doped ZnO/Ag <sub>2</sub> O/Co <sub>3</sub> O <sub>4</sub> nanoparticle loaded glassy carbon electrode. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 8651-8659	3.6	110
29	Einstein–moluchowski Diffusion Equation: A Discussion. <i>Physica Scripta</i> , <b>2004</b> , 70, 120-125	2.6	95
28	Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb <sub>2</sub> O <sub>3</sub> ) nanosheets for environmental safety. <i>RSC Advances</i> , <b>2017</b> , 7, 22627-22639	3.7	66
27	Fabrication of selective chemical sensor with ternary ZnO/SnO/YbO nanoparticles. <i>Talanta</i> , <b>2017</b> , 170, 215-223	6.2	65
26	3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCoO nanoparticles. <i>Talanta</i> , <b>2018</b> , 176, 17-25	6.2	48
25	Wet-chemically prepared low-dimensional ZnO/AlO/CrO nanoparticles for xanthine sensor development using an electrochemical method.. <i>RSC Advances</i> , <b>2018</b> , 8, 12562-12572	3.7	47
24	Synthesis of Biodiesel from Waste Cooking Oil. <i>Chemical Engineering and Science</i> , <b>2013</b> , 1, 22-26		29
23	In-situ Glycine Sensor Development Based ZnO/Al <sub>2</sub> O <sub>3</sub> /Cr <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11460-11468	1.8	27
22	Application of a Gaussian Plume Model to Determine the Location of an Unknown Emission Source. <i>Water, Air, and Soil Pollution</i> , <b>1999</b> , 112, 241-245	2.6	21
21	Prediction Models for the Elastic Modulus of Fiber-reinforced Polymer Composites: An Analysis. <i>Journal of Scientific Research</i> , <b>2011</b> , 3, 225-238	1.4	17
20	Sulfonation of polyethylene membranes. <i>Journal of Applied Polymer Science</i> , <b>1991</b> , 42, 1285-1287	2.9	17
19	Nano-sized SnO <sub>2</sub> Photocatalysts: Synthesis, Characterization and Their Application for the Degradation of Methylene Blue Dye. <i>Journal of Scientific Research</i> , <b>2016</b> , 8, 399-411	1.4	13
18	An alternative electrochemical approach for toluene detection with ZnO/MgO/CrO nanofibers on a glassy carbon electrode for environmental monitoring.. <i>RSC Advances</i> , <b>2020</b> , 10, 44641-44653	3.7	7
17	Optimal design of an activated sludge plant: theoretical analysis. <i>Applied Water Science</i> , <b>2013</b> , 3, 375-386		7
16	Initial Settling Rate/Concentration Relationship in Zone Settling. <i>Journal of Environmental Engineering, ASCE</i> , <b>1998</b> , 124, 39-42	2	7
15	Langmuir Adsorption Kinetics in Liquid Media: Interface Reaction Model. <i>ACS Omega</i> , <b>2021</b> , 6, 14481-14493	3.9	7

14	Preparation and Optimization of Biodiesel Production from Mixed Feedstock Oil. <i>Chemical Engineering and Science</i> , <b>2013</b> , 1, 62-66		6
13	Rheological behavior of coir-fiber-filled polypropylene composites at constant shear stress. <i>Polymer Composites</i> , <b>2015</b> , 36, 51-61	3	5
12	Fickian Diffusion Equation—An Unsolved Problem. <i>Physica Scripta</i> , <b>2004</b> , 70, 114-119	2.6	5
11	A critical analysis on different criteria of the mechanical stability of polymeric membranes operating in the pressure-driven processes. <i>Acta Polymerica</i> , <b>1991</b> , 42, 605-607		5
10	On the mechanism of the formation of porous structure in filled polyethylene film by thermomechanical deformation. <i>Journal of Applied Polymer Science</i> , <b>1992</b> , 45, 1035-1040	2.9	5
9	Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO <sub>2</sub> /V <sub>2</sub> O <sub>5</sub> micro-sheets by electrochemical approach. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	3
8	A criterion for the evaluation of the mechanical stability of polymeric membranes. <i>Acta Polymerica</i> , <b>1990</b> , 41, 629-630		3
7	A Mathematical Model in Locating an Unknown Emission Source. <i>Water, Air, and Soil Pollution</i> , <b>2002</b> , 136, 331-345	2.6	2
6	A mechanical model for the deformational behavior of the polymeric membranes operating in pressure-driven processes. <i>Journal of Applied Polymer Science</i> , <b>1992</b> , 46, 1215-1219	2.9	2
5	Filler effects on the structure and properties of semipermeable polyethylene membranes. <i>Journal of Applied Polymer Science</i> , <b>1990</b> , 41, 2513-2516	2.9	2
4	Magneto-structural coupling in [Formula: see text]. <i>SpringerPlus</i> , <b>2015</b> , 4, 468		1
3	On the deformational characteristics of porous polymeric tubes. <i>Journal of Applied Polymer Science</i> , <b>1992</b> , 44, 1899-1903	2.9	1
2	Response of filled polyethylene membranes to the changes in the environmental conditions. <i>Journal of Applied Polymer Science</i> , <b>1992</b> , 45, 1485-1490	2.9	1
1	Model-Based Study of Creep and Recovery of a Glassy Polymer. <i>Advances in Polymer Technology</i> , <b>2022</b> , 2022, 1-14	1.9	0