M A Islam

List of Publications by Year in descending order

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MAISIAM

#	Article	IF	CITATIONS
1	One-step wet-chemical synthesis of ternary ZnO/CuO/Co ₃ O ₄ nanoparticles for sensitive and selective melamine sensor development. New Journal of Chemistry, 2019, 43, 4849-4858.	2.8	149
2	Detection of uric acid based on doped ZnO/Ag ₂ O/Co ₃ O ₄ nanoparticle loaded glassy carbon electrode. New Journal of Chemistry, 2019, 43, 8651-8659.	2.8	148
3	Einstein–Smoluchowski Diffusion Equation: A Discussion. Physica Scripta, 2004, 70, 120-125.	2.5	131
4	Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb ₂ O ₃) nanosheets for environmental safety. RSC Advances, 2017, 7, 22627-22639.	3.6	77
5	Fabrication of selective chemical sensor with ternary ZnO/SnO2/Yb2O3 nanoparticles. Talanta, 2017, 170, 215-223.	5.5	76
6	Wet-chemically prepared low-dimensional ZnO/Al ₂ O ₃ /Cr ₂ O ₃ nanoparticles for xanthine sensor development using an electrochemical method. RSC Advances, 2018, 8, 12562-12572.	3.6	56
7	3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCoxOy nanoparticles. Talanta, 2018, 176, 17-25.	5.5	51
8	Synthesis of Biodiesel from Waste Cooking Oil. Chemical Engineering and Science, 2013, 1, 22-26.	0.6	38
9	Inâ€situ Glycine Sensor Development Based ZnO/Al ₂ O ₃ /Cr ₂ O ₃ Nanoparticles. ChemistrySelect, 2018, 3, 11460-11468.	1.5	33
10	Langmuir Adsorption Kinetics in Liquid Media: Interface Reaction Model. ACS Omega, 2021, 6, 14481-14492.	3.5	31
11	Application of a Gaussian Plume Model to Determine the Location of an Unknown Emission Source. Water, Air, and Soil Pollution, 1999, 112, 241-245.	2.4	26
12	Prediction Models for the Elastic Modulus of Fiber-reinforced Polymer Composites: An Analysis. Journal of Scientific Research, 2011, 3, 225-238.	0.3	25
13	Sulfonation of polyethylene membranes. Journal of Applied Polymer Science, 1991, 42, 1285-1287.	2.6	18
14	Nano-sized SnO ₂ Photocatalysts: Synthesis, Characterization and Their Application for the Degradation of Methylene Blue Dye. Journal of Scientific Research, 2016, 8, 399-411.	0.3	16
15	Optimal design of an activated sludge plant: theoretical analysis. Applied Water Science, 2013, 3, 375-386.	5.6	11
16	An alternative electrochemical approach for toluene detection with ZnO/MgO/Cr ₂ O ₃ nanofibers on a glassy carbon electrode for environmental monitoring. RSC Advances, 2020, 10, 44641-44653.	3.6	10
17	Preparation and Optimization of Biodiesel Production from Mixed Feedstock Oil. Chemical Engineering and Science, 2013, 1, 62-66.	0.6	10
18	Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO2/V2O5 micro-sheets by electrochemical approach. SN Applied Sciences, 2020, 2, 1.	2.9	9

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19	Initial Settling Rate/Concentration Relationship in Zone Settling. Journal of Environmental Engineering, ASCE, 1998, 124, 39-42.	1.4	8
20	Fickian Diffusion Equation—an Unsolved Problem. Physica Scripta, 2004, 70, 114-119.	2.5	7
21	A criterion for the evaluation of the mechanical stability of polymeric membranes. Acta Polymerica, 1990, 41, 629-630.	0.9	6
22	Title is missing!. Acta Polymerica, 1991, 42, 605-607.	0.9	6
23	On the mechanism of the formation of porous structure in filled polyethylene film by thermomechanical deformation. Journal of Applied Polymer Science, 1992, 45, 1035-1040.	2.6	6
24	Rheological behavior of coirâ€fiberâ€filled polypropylene composites at constant shear stress. Polymer Composites, 2015, 36, 51-61.	4.6	5
25	Filler effects on the structure and properties of semipermeable polyethylene membranes. Journal of Applied Polymer Science, 1990, 41, 2513-2516.	2.6	4
26	A mechanical model for the deformational behavior of the polymeric membranes operating in pressure-driven processes. Journal of Applied Polymer Science, 1992, 46, 1215-1219.	2.6	2
27	A Mathematical Model in Locating an Unknown Emission Source. Water, Air, and Soil Pollution, 2002, 136, 331-345.	2.4	2
28	Preparation and Preliminary Study on Irradiated and Thermally Treated Polypropylene (PP) - Styrene Butadiene Rubber (SBR) Composite. Journal of Scientific Research, 2011, 3, 471-479.	0.3	2
29	Treatment of Shear Stress versus Shear Rate Data for Natural Fiber Reinforced Polymer Composites: A Discussion. Journal of Scientific Research, 2019, 11, 89-100.	0.3	2
30	Model-Based Study of Creep and Recovery of a Glassy Polymer. Advances in Polymer Technology, 2022, 2022, 1-14.	1.7	2
31	On the deformational characteristics of porous polymeric tubes. Journal of Applied Polymer Science, 1992, 44, 1899-1903.	2.6	1
32	Response of filled polyethylene membranes to the changes in the environmental conditions. Journal of Applied Polymer Science, 1992, 45, 1485-1490.	2.6	1
33	Magneto-structural coupling in \$\$Ni_xZn_{1-x}Cr_2O_4\$\$ N i x Z n 1 - x C r 2 O 4. SpringerPlus, 2015, 4, 468.	1.2	1