

M A Islam

List of Publications by Year in descending order

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33
papers

970
citations

623188

14
h-index

433756

31
g-index

33
all docs

33
docs citations

33
times ranked

911
citing authors

#	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. <i>New Journal of Chemistry</i> , 2019, 43, 4849-4858.	1.4	149
2	Detection of uric acid based on doped ZnO/Ag ₂ O/Co ₃ O ₄ nanoparticle loaded glassy carbon electrode. <i>New Journal of Chemistry</i> , 2019, 43, 8651-8659.	1.4	148
3	Einstein's Smoluchowski Diffusion Equation: A Discussion. <i>Physica Scripta</i> , 2004, 70, 120-125.	1.2	131
4	Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb ₂ O ₃) nanosheets for environmental safety. <i>RSC Advances</i> , 2017, 7, 22627-22639.	1.7	77
5	Fabrication of selective chemical sensor with ternary ZnO/SnO ₂ /Yb ₂ O ₃ nanoparticles. <i>Talanta</i> , 2017, 170, 215-223.	2.9	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. <i>RSC Advances</i> , 2018, 8, 12562-12572.	1.7	56
7	3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCo _x O _y nanoparticles. <i>Talanta</i> , 2018, 176, 17-25.	2.9	51
8	Synthesis of Biodiesel from Waste Cooking Oil. <i>Chemical Engineering and Science</i> , 2013, 1, 22-26.	0.6	38
9	In-situ Glycine Sensor Development Based ZnO/Al ₂ O ₃ /Cr ₂ O ₃ Nanoparticles. <i>ChemistrySelect</i> , 2018, 3, 11460-11468.	0.7	33
10	Langmuir Adsorption Kinetics in Liquid Media: Interface Reaction Model. <i>ACS Omega</i> , 2021, 6, 14481-14492.	1.6	31
11	Application of a Gaussian Plume Model to Determine the Location of an Unknown Emission Source. <i>Water, Air, and Soil Pollution</i> , 1999, 112, 241-245.	1.1	26
12	Prediction Models for the Elastic Modulus of Fiber-reinforced Polymer Composites: An Analysis. <i>Journal of Scientific Research</i> , 2011, 3, 225-238.	0.2	25
13	Sulfonation of polyethylene membranes. <i>Journal of Applied Polymer Science</i> , 1991, 42, 1285-1287.	1.3	18
14	Nano-sized SnO ₂ ; Photocatalysts: Synthesis, Characterization and Their Application for the Degradation of Methylene Blue Dye. <i>Journal of Scientific Research</i> , 2016, 8, 399-411.	0.2	16
15	Optimal design of an activated sludge plant: theoretical analysis. <i>Applied Water Science</i> , 2013, 3, 375-386.	2.8	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. <i>RSC Advances</i> , 2020, 10, 44641-44653.	1.7	10
17	Preparation and Optimization of Biodiesel Production from Mixed Feedstock Oil. <i>Chemical Engineering and Science</i> , 2013, 1, 62-66.	0.6	10
18	Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO ₂ /V ₂ O ₅ micro-sheets by electrochemical approach. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	9

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19	Initial Settling Rate/Concentration Relationship in Zone Settling. Journal of Environmental Engineering, ASCE, 1998, 124, 39-42.	0.7	8
20	Fickian Diffusion Equation an Unsolved Problem. Physica Scripta, 2004, 70, 114-119.	1.2	7
21	A criterion for the evaluation of the mechanical stability of polymeric membranes. Acta Polymerica, 1990, 41, 629-630.	1.4	6
22	Title is missing!. Acta Polymerica, 1991, 42, 605-607.	1.4	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.	1.3	6
24	Rheological behavior of fiber-filled polypropylene composites at constant shear stress. Polymer Composites, 2015, 36, 51-61.	2.3	5
25	Filler effects on the structure and properties of semipermeable polyethylene membranes. Journal of Applied Polymer Science, 1990, 41, 2513-2516.	1.3	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.	1.3	2
27	A Mathematical Model in Locating an Unknown Emission Source. Water, Air, and Soil Pollution, 2002, 136, 331-345.	1.1	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.	0.2	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.	0.2	2
30	Model-Based Study of Creep and Recovery of a Glassy Polymer. Advances in Polymer Technology, 2022, 2022, 1-14.	0.8	2
31	On the deformational characteristics of porous polymeric tubes. Journal of Applied Polymer Science, 1992, 44, 1899-1903.	1.3	1
32	Response of filled polyethylene membranes to the changes in the environmental conditions. Journal of Applied Polymer Science, 1992, 45, 1485-1490.	1.3	1
33	Magneto-structural coupling in $\text{Ni}_x\text{Zn}_{1-x}\text{Cr}_2\text{O}_4$. SpringerPlus, 2015, 4, 468.	1.2	1