

Mahabubur R Chowdhury

List of Publications by Year in descending order

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all docs

32
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times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Metal Oxides: Application in Exhaled Breath Acetone Chemiresistive Sensors. Journal of the Electrochemical Society, 2020, 167, 037537.	1.3	91
2	Green Synthesis of Transition-Metal Nanoparticles and Their Oxides: A Review. Materials, 2021, 14, 2700.	1.3	58
3	Catalytic activities of ultra-small Fe^{2+} -FeOOH nanorods in ozonation of 4-chlorophenol. Journal of Environmental Sciences, 2015, 35, 83-90.	3.2	56
4	Binderless Solution Processed Zn Doped Co_3O_4 Film on FTO for Rapid and Selective Non-enzymatic Glucose Detection. Electroanalysis, 2017, 29, 578-586.	1.5	40
5	Photocatalytic activities of ultra-small Fe^{2+} -FeOOH and TiO_2 heterojunction structure under simulated solar irradiation. Materials Research Bulletin, 2015, 68, 133-141.	2.7	39
6	Enhanced electrochemical glucose sensing performance of CuO:NiO mixed oxides thin film by plasma assisted nitrogen doping. Journal of Alloys and Compounds, 2021, 853, 156900.	2.8	30
7	Formation, stabilization and chemical demulsification of crude oil-in-water emulsions: A review. Petroleum Research, 2022, 7, 459-472.	1.6	28
8	Novel Sn Doped Co_3O_4 Thin Film for Nonenzymatic Glucose Biosensor and Fuel Cell. Electroanalysis, 2017, 29, 1876-1886.	1.5	21
9	A novel Fe^{2+} -FeOOH/NiO composite material as a potential catalyst for catalytic ozonation degradation of 4-chlorophenol. RSC Advances, 2015, 5, 59513-59521.	1.7	20
10	One step copper oxide (CuO) thin film deposition for non-enzymatic electrochemical glucose detection. Thin Solid Films, 2020, 709, 138244.	0.8	20
11	Growth kinetics evaluation of hydrothermally synthesized Fe^{2+} -FeOOH nanorods. Journal of Crystal Growth, 2014, 387, 57-65.	0.7	17
12	Elemental Cu doped Co_3O_4 thin film for highly sensitive non-enzymatic glucose detection. Sensing and Bio-Sensing Research, 2019, 23, 100262.	2.2	17
13	Modeling pressure losses for Newtonian and non-Newtonian laminar and turbulent flow in long square edged orifices. Chemical Engineering Research and Design, 2012, 90, 863-869.	2.7	15
14	Hydrothermal precipitation of Fe^{2+} -FeOOH nanostructure(s) in mixed solvent: study of their morphological and structural evolution. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	14
15	Novel $(\text{CH}_3\text{N}_3^+, \text{NH}_3^+)$ -functionalized and nitrogen doped Co_3O_4 thin film electrochemical sensor for nanomolar detection of nitrite in neutral pH. Electrochimica Acta, 2021, 388, 138556.	2.6	14
16	Electrodeposited CuO thin film for wide linear range photoelectrochemical glucose sensing. Applied Surface Science, 2022, 576, 151822.	3.1	14
17	Rapid and large-scale synthesis of Co_3O_4 octahedron particles with very high catalytic activity, good supercapacitance and unique magnetic properties. RSC Advances, 2015, 5, 104991-105002.	1.7	13
18	Optimization of the demulsification of crude oil-in-water emulsions using response surface methodology. South African Journal of Chemical Engineering, 2021, 36, 105-117.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Co ₃ O ₄ /TiO ₂ hetero-structure for methyl orange dye degradation. Water Science and Technology, 2019, 79, 947-957.	1.2	11
20	Charge transfer between biogenic jarosite derived Fe ³⁺ and TiO ₂ enhances visible light photocatalytic activity of TiO ₂ . Journal of Environmental Sciences, 2017, 54, 256-267.	3.2	8
21	Effect of Stratification of Cathode Catalyst Layers on Durability of Proton Exchange Membrane Fuel Cells. Energies, 2021, 14, 2975.	1.6	8
22	Non-enzymatic Fructose Sensor Based on Co ₃ O ₄ Thin Film. Electroanalysis, 2017, 29, 2855-2862.	1.5	6
23	Review "Aptamer-Based Electrochemical Sensing Strategies for Breast Cancer. Journal of the Electrochemical Society, 2021, 168, 027511.	1.3	4
24	Dataset of N-doped CuO:NiO mixed oxide thin film sensor for glucose oxidation. Data in Brief, 2020, 33, 106408.	0.5	3
25	Hydrothermal Precipitation of γ -FeOOH Nanoparticles in Mixed Water/Alcohol Solvent. , 2018, , .		1
26	Photoactive and self-cleaning properties of copper oxide thin film non-enzymatic glucose biosensor. Materials Today: Proceedings, 2021, 38, 903-906.	0.9	1
27	(Fe,Ni) γ -FeOOH Nanosheets on a Three-Dimensional Conductive Substrate for Efficient Oxygen Evolution Reaction Electrocatalysis. ChemElectroChem, 2021, 8, 719-725.	1.7	1
28	γ -FeOOH/TiO ₂ Heterojunction for Visible Light-Driven Photocatalytic Inactivation of E. coli. , 2016, , .		0
29	Simple Solution Deposition of Co ₃ O ₄ on FTO for Rapid and Selective Nonenzymatic Glucose Detection. ECS Meeting Abstracts, 2017, , .	0.0	0
30	Solution Deposited Sn Doped Co ₃ O ₄ Thin Film For Glucose Detection. , 2018, , .		0
31	Enhanced Biogas Production from Winery Solid Waste through Application of Iron oxide Nanoparticles. , 2019, , .		0
32	The impact of the thermal treatment during ink preparation on the ionomer-supported catalyst interactions in the catalyst layers. International Journal of Hydrogen Energy, 2022, 47, 6848-6859.	3.8	0