

Mahabubur R Chowdhury

List of Publications by Year in descending order

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32
papers

562
citations

686830

13
h-index

642321

23
g-index

32
all docs

32
docs citations

32
times ranked

704
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposited CuO thin film for wide linear range photoelectrochemical glucose sensing. Applied Surface Science, 2022, 576, 151822.	3.1	14
2	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
3	Formation, stabilization and chemical demulsification of crude oil-in-water emulsions: A review. Petroleum Research, 2022, 7, 459-472.	1.6	28
4	Photoactive and self-cleaning properties of copper oxide thin film non-enzymatic glucose biosensor. Materials Today: Proceedings, 2021, 38, 903-906.	0.9	1
5	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
6	(Fe,Ni) 9 S 8 Nanosheets on a Three-Dimensional Conductive Substrate for Efficient Oxygen Evolution Reaction Electrocatalysis. ChemElectroChem, 2021, 8, 719-725.	1.7	1
7	Review "Aptamer-Based Electrochemical Sensing Strategies for Breast Cancer. Journal of the Electrochemical Society, 2021, 168, 027511.	1.3	4
8	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
9	Green Synthesis of Transition-Metal Nanoparticles and Their Oxides: A Review. Materials, 2021, 14, 2700.	1.3	58
10	Effect of Stratification of Cathode Catalyst Layers on Durability of Proton Exchange Membrane Fuel Cells. Energies, 2021, 14, 2975.	1.6	8
11	Novel (CH ₆ N ₃ ⁺ , NH ₃ ⁺)-functionalized and nitrogen doped Co ₃ O ₄ thin film electrochemical sensor for nanomolar detection of nitrite in neutral pH. Electrochimica Acta, 2021, 388, 138556.	2.6	14
12	Dataset of N-doped CuO:NiO mixed oxide thin film sensor for glucose oxidation. Data in Brief, 2020, 33, 106408.	0.5	3
13	One step copper oxide (CuO) thin film deposition for non-enzymatic electrochemical glucose detection. Thin Solid Films, 2020, 709, 138244.	0.8	20
14	Review "Metal Oxides: Application in Exhaled Breath Acetone Chemiresistive Sensors. Journal of the Electrochemical Society, 2020, 167, 037537.	1.3	91
15	Elemental Cu doped Co ₃ O ₄ thin film for highly sensitive non-enzymatic glucose detection. Sensing and Bio-Sensing Research, 2019, 23, 100262.	2.2	17
16	Co ₃ O ₄ /TiO ₂ hetero-structure for methyl orange dye degradation. Water Science and Technology, 2019, 79, 947-957.	1.2	11
17	Enhanced Biogas Production from Winery Solid Waste through Application of Iron oxide Nanoparticles. , 2019, , .		0
18	Hydrothermal Precipitation of Fe^{2+} -FeOOH Nanoparticles in Mixed Water/Alcohol Solvent. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Solution Deposited Sn Doped Co ₃ O ₄ Thin Film For Glucose Detection. , 2018, , .		0
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	Novel Sn Doped Co ₃ O ₄ Thin Film for Nonenzymatic Glucose Bio-Sensor and Fuel Cell. Electroanalysis, 2017, 29, 1876-1886.	1.5	21
22	Non-enzymatic Fructose Sensor Based on Co ₃ O ₄ Thin Film. Electroanalysis, 2017, 29, 2855-2862.	1.5	6
23	Binderless Solution Processed Zn Doped Co ₃ O ₄ Film on FTO for Rapid and Selective Non-enzymatic Glucose Detection. Electroanalysis, 2017, 29, 578-586.	1.5	40
24	Simple Solution Deposition of Co ₃ O ₄ on FTO for Rapid and Selective Nonenzymatic Glucose Detection. ECS Meeting Abstracts, 2017, , .	0.0	0
25	Î ² -FeOOH/TiO ₂ Heterojunction for Visible Light-Driven Photocatalytic Inactivation of E. coli. , 2016, , .		0
26	Rapid and large-scale synthesis of Co ₃ O ₄ octahedron particles with very high catalytic activity, good supercapacitance and unique magnetic properties. RSC Advances, 2015, 5, 104991-105002.	1.7	13
27	A novel Î 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
28	Catalytic activities of ultra-small Î ² -FeOOH nanorods in ozonation of 4-chlorophenol. Journal of Environmental Sciences, 2015, 35, 83-90.	3.2	56
29	Photocatalytic activities of ultra-small Î ² -FeOOH and TiO ₂ heterojunction structure under simulated solar irradiation. Materials Research Bulletin, 2015, 68, 133-141.	2.7	39
30	Hydrothermal precipitation of Î ² -FeOOH nanostructure(s) in mixed solvent: study of their morphological and structural evolution. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	14
31	Growth kinetics evaluation of hydrothermally synthesized Î ² -FeOOH nanorods. Journal of Crystal Growth, 2014, 387, 57-65.	0.7	17
32	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