

Mohammad A Hasnat

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52 papers	778 citations	16 h-index	26 g-index
53 ext. papers	957 ext. citations	5.3 avg, IF	4.35 L-index

#	Paper	IF	Citations
52	Adsorption and photocatalytic decolorization of a synthetic dye erythrosine on anatase TiO ₂ and ZnO surfaces. <i>Journal of Hazardous Materials</i> , 2007 , 147, 471-7	12.8	87
51	Efficient hydroquinone sensor based on zinc, strontium and nickel based ternary metal oxide (TMO) composites by differential pulse voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 383-392	8.5	57
50	Amine modified tannin gel for adsorptive removal of Brilliant Green dye. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 1231-1241	6.8	53
49	Efficient Bisphenol-A detection based on the ternary metal oxide (TMO) composite by electrochemical approaches. <i>Electrochimica Acta</i> , 2017 , 246, 597-605	6.7	44
48	Development of highly-sensitive hydrazine sensor based on facile CoS ₂ /CNT nanocomposites. <i>RSC Advances</i> , 2016 , 6, 90470-90479	3.7	39
47	Development of 4-methoxyphenol chemical sensor based on NiS ₂ -CNT nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 64, 157-165	5.3	36
46	Electrocatalytic Oxidation of 4-Aminophenol Molecules at the Surface of an FeS /Carbon Nanotube Modified Glassy Carbon Electrode in Aqueous Medium. <i>ChemPlusChem</i> , 2019 , 84, 175-182	2.8	34
45	Fabrication of a selective 4-amino phenol sensor based on H-ZSM-5 zeolites deposited silver electrodes. <i>RSC Advances</i> , 2016 , 6, 48435-48444	3.7	27
44	A dual-plate ITO-ITO generator-collector microtrench sensor: surface activation, spatial separation and suppression of irreversible oxygen and ascorbate interference. <i>Analyst, The</i> , 2014 , 139, 569-75	5	25
43	Electrocatalytic nitrate hydrogenation over an H ⁺ -conducting solid polymer electrolyte membrane-modified cathode assembly. <i>Chemical Communications</i> , 2006 , 732-4	5.8	25
42	Electrocatalytic Reduction of Nitrate Using CuPd and CuPt Cathodes/H ⁺ -Conducting Solid Polymer Electrolyte Membrane Assemblies. <i>Bulletin of the Chemical Society of Japan</i> , 2008 , 81, 1675-1680	5.1	23
41	Electro-kinetics of conversion of NO ₃ ⁻ into NO ₂ ⁻ and sensing of nitrate ions via reduction reactions at copper immobilized platinum surface in the neutral medium. <i>Electrochimica Acta</i> , 2020 , 346, 135994	6.7	20
40	An exploration of nitrate concentrations in groundwater aquifers of central-west region of Bangladesh. <i>Journal of Hazardous Materials</i> , 2008 , 159, 536-43	12.8	20
39	Electrocatalytic reduction of hydroxylamine on copper immobilized platinum surface: Heterogeneous kinetics and sensing performance. <i>Electrochimica Acta</i> , 2019 , 318, 486-495	6.7	19
38	Electrochemical oxidation of As(III) on Pd immobilized Pt surface: kinetics and sensing performance.. <i>RSC Advances</i> , 2018 , 8, 8071-8079	3.7	19
37	pH dependent kinetic insights of electrocatalytic arsenite oxidation reactions at Pt surface. <i>Electrochimica Acta</i> , 2017 , 225, 105-113	6.7	16
36	Aggregated PtPd nanoparticles on Nafion membrane for impulsive decomposition of hydrogen peroxide. <i>RSC Advances</i> , 2015 , 5, 46295-46300	3.7	16

35	Surface Modification of the ZnO Nanoparticles with γ -Aminopropyltriethoxysilane and Study of Their Photocatalytic Activity, Optical Properties and Antibacterial Activities. <i>International Journal of Chemical Reactor Engineering</i> , 2016 , 14, 785-794	1.2	15
34	Lean Cu-immobilized Pt and Pd films/ H^+ Conducting Membrane Assemblies: Relative Electrocatalytic Nitrate Reduction Activities. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 28, 131-137	6.3	14
33	Electrochemical and spectroscopic insights of interactions between alizarin red S and arsenite ions. <i>RSC Advances</i> , 2016 , 6, 93162-93168	3.7	13
32	Enhanced electrocatalytic effects of Pd particles immobilized on GC surface on the nitrite oxidation reactions. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 839, 1-8	4.1	12
31	Inverse effects of supporting electrolytes on the electrocatalytic nitrate reduction activities in a Pt Nafion Pt Cu-type reactor assembly. <i>RSC Advances</i> , 2016 , 6, 11609-11617	3.7	11
30	Dissimilar catalytic trails of nitrate reduction on Cu-modified Pt surface immobilized on H^+ conducting solid polymer. <i>Journal of Molecular Catalysis A</i> , 2014 , 383-384, 243-248		11
29	Impulsive removal of Pb(II) at a 3-D reticulated vitreous carbon cathode. <i>Chemical Engineering Journal</i> , 2012 , 203, 123-129	14.7	11
28	Insights of temperature dependent catalysis and kinetics of electro-oxidation of nitrite ions on a glassy carbon electrode. <i>Electrochimica Acta</i> , 2020 , 362, 137102	6.7	10
27	Electroless deposition of gold nanoparticles on a glassy carbon surface to attain methylene blue degradation via oxygen reduction reactions. <i>Electrochimica Acta</i> , 2020 , 360, 136966	6.7	10
26	Fabrication of a 3,4-Diaminotoluene Sensor Based on a TiO_2 - Al_2O_3 Nanocomposite Synthesized by a Fast and Facile Microwave Irradiation Method. <i>ChemistrySelect</i> , 2019 , 4, 12592-12600	1.8	10
25	Fabrication of an ultra-sensitive para-nitrophenol sensor based on facile Zn-doped ErO nanocomposites via an electrochemical approach. <i>Analytical Methods</i> , 2020 , 12, 3470-3483	3.2	9
24	Influence of flow rates on the electrogenerative Co^{2+} recovery at a reticulated vitreous carbon cathode. <i>Chemical Engineering Journal</i> , 2012 , 189-190, 182-187	14.7	9
23	Heterogeneous Kinetics of Thiourea Electro-Catalytic Oxidation Reactions on Palladium Surface in Aqueous Medium. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 4327-4338	4.5	9
22	Influence of electrode assembly on catalytic activation and deactivation of a Pt film immobilized H^+ conducting solid electrolyte in electrocatalytic reduction reactions. <i>RSC Advances</i> , 2015 , 5, 9912-9919	3.7	8
21	Nitrate detection activity of Cu particles deposited on pencil graphite by fast scan cyclic voltammetry. <i>Journal of Analytical Chemistry</i> , 2015 , 70, 60-66	1.1	8
20	Electroless Deposition of Silver Dendrite Nanostructure onto Glassy Carbon Electrode and Its Electrocatalytic Activity for Ascorbic Acid Oxidation. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2907-2915	6.1	8
19	Optimisation of the batch reactor for the removal of cobalt ions from chloride media. <i>Chemosphere</i> , 2013 , 90, 674-82	8.4	8
18	Electrocatalytic reduction of nitrate ions at a poly crystalline SnCu modified platinum surface by using an H^+ conducting solid polymer in a sandwich type membrane reactor. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 4494-4502	6.8	8

17	Composite Noble-Metal Films/H -Conducting Solid-Polymer Electrolyte Assemblies: The Nitrate-Reduction Activity in an Asymmetric Sandwich-Type Reactor. <i>ChemPlusChem</i> , 2015 , 80, 1634-1641 ^{2.8}	5
16	Metal-Organic Frameworks Derived Electrocatalysts for Oxygen and Carbon Dioxide Reduction Reaction.. <i>Chemical Record</i> , 2022 , e202100329	6.6 5
15	An electrochemical analysis of acute contamination of environmental water and restoring of water quality using taro carbon. <i>Applied Water Science</i> , 2020 , 10, 1	5 4
14	Facile fabrication of GCE/Nafion/Ni composite, a robust platform to detect hydrogen peroxide in basic medium via oxidation reaction.. <i>Talanta</i> , 2022 , 240, 123202	6.2 4
13	Fabrication of IrOx immobilized glassy carbon surface for attaining electrocatalytic ascorbic acid oxidation reactions. <i>Electrochimica Acta</i> , 2021 , 392, 138999	6.7 4
12	Influence of Irradiation on Fenton Degradation of Brilliant Red X-3B. <i>International Journal of Chemical Reactor Engineering</i> , 2010 , 8,	1.2 3
11	Efficient sensing of hydrogen peroxide via electrocatalytic oxidation reactions using polycrystalline Au electrode modified with controlled thiol group immobilization. <i>Electrochimica Acta</i> , 2021 , 395, 139217 ^{6.7}	3
10	Adsorption and UV-Visible Light Induced Degradation of Methylene Blue over ZnO Nano-Particles. <i>International Journal of Chemical Reactor Engineering</i> , 2011 , 9,	1.2 2
9	Electrocatalytic oxidation of catechol using IrOx-ITO electrode in aqueous medium. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 907, 116031	4.1 2
8	Facile SrO nanorods: an efficient and alternate detection approach for the selective removal of 4-aminophenol towards environmental safety. <i>New Journal of Chemistry</i> , 2020 , 44, 15507-15514	3.6 2
7	Electrocatalytic oxidation of ammonia in the neutral medium using Cu ₂ O.CuO film immobilized on glassy carbon surface. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 897, 115592	4.1 0
6	Optimisation and Stability of Rh Particles on Noble Metal Films Immobilised on H Conducting Solid Polymer Electrolyte in Attaining Efficient Nitrate Removal.. <i>Chemistry - an Asian Journal</i> , 2022 , e202200145 ^{1.5}	0
5	An Electrochemical Approach to As(V) Determination via an Interaction with Alizarin Red S in Aqueous Medium. <i>Journal of Analytical Chemistry</i> , 2021 , 76, 1449-1454	1.1 0
4	Decomposition of Hydrogen Peroxide using Chemical and Catalytic Methods: A Reactor-based Approach. <i>Asian Journal of Chemistry</i> , 2022 , 34, 1263-1268	0.4 0
3	Detection of L-Aspartic Acid with Ag-Doped ZnO Nanosheets Using Differential Pulse Voltammetry. <i>Biosensors</i> , 2022 , 12, 379	5.9 0
2	Electrochemical Methods for the Detection of Toxic As(III) and As(V) from Natural Water 2020 , 315-337	
1	Applicability of gypsum in selective removal of anionic dye molecules from aqueous medium. <i>Applied Water Science</i> , 2021 , 11, 1	5