

# Mohammad A Hasnat

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4783027/mohammad-a-hasnat-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Electrocatalytic oxidation of catechol using IrOx-ITO electrode in aqueous medium. <i>Journal of Electroanalytical Chemistry</i> , <b>2022</b> , 907, 116031	4.1	2
51	Metal-Organic Frameworks Derived Electrocatalysts for Oxygen and Carbon Dioxide Reduction Reaction.. <i>Chemical Record</i> , <b>2022</b> , e202100329	6.6	5
50	Facile fabrication of GCE/Nafion/Ni composite, a robust platform to detect hydrogen peroxide in basic medium via oxidation reaction.. <i>Talanta</i> , <b>2022</b> , 240, 123202	6.2	4
49	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> , <b>2022</b> , e202200150	4.5	0
48	Decomposition of Hydrogen Peroxide using Chemical and Catalytic Methods: A Reactor-based Approach. <i>Asian Journal of Chemistry</i> , <b>2022</b> , 34, 1263-1268	0.4	0
47	Detection of L-Aspartic Acid with Ag-Doped ZnO Nanosheets Using Differential Pulse Voltammetry. <i>Biosensors</i> , <b>2022</b> , 12, 379	5.9	0
46	Applicability of gypsum in selective removal of anionic dye molecules from aqueous medium. <i>Applied Water Science</i> , <b>2021</b> , 11, 1	5	
45	Electrocatalytic oxidation of ammonia in the neutral medium using Cu <sub>2</sub> O.CuO film immobilized on glassy carbon surface. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 897, 115592	4.1	0
44	Fabrication of IrOx immobilized glassy carbon surface for attaining electrocatalytic ascorbic acid oxidation reactions. <i>Electrochimica Acta</i> , <b>2021</b> , 392, 138999	6.7	4
43	Efficient sensing of hydrogen peroxide via electrocatalytic oxidation reactions using polycrystalline Au electrode modified with controlled thiol group immobilization. <i>Electrochimica Acta</i> , <b>2021</b> , 395, 139217	6.7	3
42	An Electrochemical Approach to As(V) Determination via an Interaction with Alizarin Red S in Aqueous Medium. <i>Journal of Analytical Chemistry</i> , <b>2021</b> , 76, 1449-1454	1.1	0
41	Fabrication of an ultra-sensitive para-nitrophenol sensor based on facile Zn-doped ErO nanocomposites via an electrochemical approach. <i>Analytical Methods</i> , <b>2020</b> , 12, 3470-3483	3.2	9
40	Electrochemical Methods for the Detection of Toxic As(III) and As(V) from Natural Water <b>2020</b> , 315-337		
39	Electro-kinetics of conversion of NO <sub>3</sub> <sup>-</sup> into NO <sub>2</sub> <sup>-</sup> and sensing of nitrate ions via reduction reactions at copper immobilized platinum surface in the neutral medium. <i>Electrochimica Acta</i> , <b>2020</b> , 346, 135994	6.7	20
38	An electrochemical analysis of acute contamination of environmental water and restoring of water quality using taro carbon. <i>Applied Water Science</i> , <b>2020</b> , 10, 1	5	4
37	Electroless Deposition of Silver Dendrite Nanostructure onto Glassy Carbon Electrode and Its Electrocatalytic Activity for Ascorbic Acid Oxidation. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 2907-2915	6.1	8
36	Insights of temperature dependent catalysis and kinetics of electro-oxidation of nitrite ions on a glassy carbon electrode. <i>Electrochimica Acta</i> , <b>2020</b> , 362, 137102	6.7	10

35	Electroless deposition of gold nanoparticles on a glassy carbon surface to attain methylene blue degradation via oxygen reduction reactions. <i>Electrochimica Acta</i> , <b>2020</b> , 360, 136966	6.7	10
34	Heterogeneous Kinetics of Thiourea Electro-Catalytic Oxidation Reactions on Palladium Surface in Aqueous Medium. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 4327-4338	4.5	9
33	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> , <b>2020</b> , 44, 15507-15514	3.6	2
32	Electrocatalytic reduction of hydroxylamine on copper immobilized platinum surface: Heterogeneous kinetics and sensing performance. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 486-495	6.7	19
31	Enhanced electrocatalytic effects of Pd particles immobilized on GC surface on the nitrite oxidation reactions. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 839, 1-8	4.1	12
30	Fabrication of a 3,4-Diaminotoluene Sensor Based on a TiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Nanocomposite Synthesized by a Fast and Facile Microwave Irradiation Method. <i>ChemistrySelect</i> , <b>2019</b> , 4, 12592-12600	1.8	10
29	Electrocatalytic Oxidation of 4-Aminophenol Molecules at the Surface of an FeS/Carbon Nanotube Modified Glassy Carbon Electrode in Aqueous Medium. <i>ChemPlusChem</i> , <b>2019</b> , 84, 175-182	2.8	34
28	Electrochemical oxidation of As(III) on Pd immobilized Pt surface: kinetics and sensing performance.. <i>RSC Advances</i> , <b>2018</b> , 8, 8071-8079	3.7	19
27	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> , <b>2018</b> , 256, 383-392	8.5	57
26	Efficient Bisphenol-A detection based on the ternary metal oxide (TMO) composite by electrochemical approaches. <i>Electrochimica Acta</i> , <b>2017</b> , 246, 597-605	6.7	44
25	pH dependent kinetic insights of electrocatalytic arsenite oxidation reactions at Pt surface. <i>Electrochimica Acta</i> , <b>2017</b> , 225, 105-113	6.7	16
24	Electrochemical and spectroscopic insights of interactions between alizarin red S and arsenite ions. <i>RSC Advances</i> , <b>2016</b> , 6, 93162-93168	3.7	13
23	Inverse effects of supporting electrolytes on the electrocatalytic nitrate reduction activities in a Pt Nafion Pt/Cu-type reactor assembly. <i>RSC Advances</i> , <b>2016</b> , 6, 11609-11617	3.7	11
22	Amine modified tannin gel for adsorptive removal of Brilliant Green dye. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 1231-1241	6.8	53
21	Surface Modification of the ZnO Nanoparticles with $\gamma$ -Aminopropyltriethoxysilane and Study of Their Photocatalytic Activity, Optical Properties and Antibacterial Activities. <i>International Journal of Chemical Reactor Engineering</i> , <b>2016</b> , 14, 785-794	1.2	15
20	Fabrication of a selective 4-amino phenol sensor based on H-ZSM-5 zeolites deposited silver electrodes. <i>RSC Advances</i> , <b>2016</b> , 6, 48435-48444	3.7	27
19	Development of 4-methoxyphenol chemical sensor based on NiS <sub>2</sub> -CNT nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 64, 157-165	5.3	36
18	Development of highly-sensitive hydrazine sensor based on facile CoS <sub>2</sub> /CNT nanocomposites. <i>RSC Advances</i> , <b>2016</b> , 6, 90470-90479	3.7	39

17	Electrocatalytic reduction of nitrate ions at a poly crystalline SnCu modified platinum surface by using an H <sup>+</sup> conducting solid polymer in a sandwich type membrane reactor. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 4494-4502	6.8	8
16	Lean Cu-immobilized Pt and Pd films/H <sup>+</sup> Conducting Membrane Assemblies: Relative Electrocatalytic Nitrate Reduction Activities. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 28, 131-137	6.3	14
15	Aggregated PtPd nanoparticles on Nafion membrane for impulsive decomposition of hydrogen peroxide. <i>RSC Advances</i> , <b>2015</b> , 5, 46295-46300	3.7	16
14	Influence of electrode assembly on catalytic activation and deactivation of a Pt film immobilized H <sup>+</sup> conducting solid electrolyte in electrocatalytic reduction reactions. <i>RSC Advances</i> , <b>2015</b> , 5, 9912-9919	3.7	8
13	Nitrate detection activity of Cu particles deposited on pencil graphite by fast scan cyclic voltammetry. <i>Journal of Analytical Chemistry</i> , <b>2015</b> , 70, 60-66	1.1	8
12	Composite Noble-Metal Films/H <sup>+</sup> -Conducting Solid-Polymer Electrolyte Assemblies: The Nitrate-Reduction Activity in an Asymmetric Sandwich-Type Reactor. <i>ChemPlusChem</i> , <b>2015</b> , 80, 1634-1641	2.8	5
11	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> , <b>2014</b> , 139, 569-75	5	25
10	Dissimilar catalytic trails of nitrate reduction on Cu-modified Pt surface immobilized on H <sup>+</sup> conducting solid polymer. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 383-384, 243-248		11
9	Optimisation of the batch reactor for the removal of cobalt ions from chloride media. <i>Chemosphere</i> , <b>2013</b> , 90, 674-82	8.4	8
8	Impulsive removal of Pb(II) at a 3-D reticulated vitreous carbon cathode. <i>Chemical Engineering Journal</i> , <b>2012</b> , 203, 123-129	14.7	11
7	Influence of flow rates on the electrogenerative Co <sup>2+</sup> recovery at a reticulated vitreous carbon cathode. <i>Chemical Engineering Journal</i> , <b>2012</b> , 189-190, 182-187	14.7	9
6	Adsorption and UV-Visible Light Induced Degradation of Methylene Blue over ZnO Nano-Particles. <i>International Journal of Chemical Reactor Engineering</i> , <b>2011</b> , 9,	1.2	2
5	Influence of Irradiation on Fenton Degradation of Brilliant Red X-3B. <i>International Journal of Chemical Reactor Engineering</i> , <b>2010</b> , 8,	1.2	3
4	Electrocatalytic Reduction of Nitrate Using CuPd and CuPt Cathodes/H <sup>+</sup> -Conducting Solid Polymer Electrolyte Membrane Assemblies. <i>Bulletin of the Chemical Society of Japan</i> , <b>2008</b> , 81, 1675-1680	5.1	23
3	An exploration of nitrate concentrations in groundwater aquifers of central-west region of Bangladesh. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 159, 536-43	12.8	20
2	Adsorption and photocatalytic decolorization of a synthetic dye erythrosine on anatase TiO <sub>2</sub> and ZnO surfaces. <i>Journal of Hazardous Materials</i> , <b>2007</b> , 147, 471-7	12.8	87
1	Electrocatalytic nitrate hydrogenation over an H <sup>+</sup> -conducting solid polymer electrolyte membrane-modified cathode assembly. <i>Chemical Communications</i> , <b>2006</b> , 732-4	5.8	25