

Mohammad Musarraff Hussain

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39
papers

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43
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ext. citations

3.4
avg, IF

5.25
L-index

#	Paper	IF	Citations
39	Arsenic sensor development based on modification with (E)-N [?] -(2-nitrobenzylidene)-benzenesulfonylhydrazide: a real sample analysis. <i>New Journal of Chemistry</i> , 2019 , 43, 9066-9075	3.6	117
38	Non-enzymatic simultaneous detection of L-glutamic acid and uric acid using mesoporous Co ₃ O ₄ nanosheets. <i>RSC Advances</i> , 2016 , 6, 80511-80521	3.7	116
37	Ultrasensitive and selective 4-aminophenol chemical sensor development based on nickel oxide nanoparticles decorated carbon nanotube nanocomposites for green environment. <i>Journal of Environmental Sciences</i> , 2017 , 53, 27-38	6.4	78
36	Hg Sensor Development Based on (E)-N [?] -Nitrobenzylidene-Benzenesulfonylhydrazide (NBBSH) Derivatives Fabricated on a Glassy Carbon Electrode with a Nafion Matrix. <i>ACS Omega</i> , 2017 , 2, 420-431	3.9	56
35	A novel approach towards hydrazine sensor development using SrO/CNT nanocomposites. <i>RSC Advances</i> , 2016 , 6, 65338-65348	3.7	53
34	Bilirubin sensor based on CuO-CdO composites deposited in a nafion/glassy carbon electrode matrixes. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 566-573	3.6	44
33	Development of selective Co ²⁺ ionic sensor based on various derivatives of benzenesulfonylhydrazide (BSH) compound: An electrochemical approach. <i>Chemical Engineering Journal</i> , 2018 , 339, 133-143	14.7	40
32	A glutathione biosensor based on a glassy carbon electrode modified with CdO nanoparticle-decorated carbon nanotubes in a nafion matrix. <i>Mikrochimica Acta</i> , 2016 , 183, 3255-3263	5.8	40
31	Fabrication of 3-methoxyphenol sensor based on Fe ₃ O ₄ decorated carbon nanotube nanocomposites for environmental safety: Real sample analyses. <i>PLoS ONE</i> , 2017 , 12, e0177817	3.7	40
30	Sensitive L-leucine sensor based on a glassy carbon electrode modified with SrO nanorods. <i>Mikrochimica Acta</i> , 2016 , 183, 3265-3273	5.8	38
29	Efficient 2-Nitrophenol Chemical Sensor Development Based on Ce ₂ O ₃ Nanoparticles Decorated CNT Nanocomposites for Environmental Safety. <i>PLoS ONE</i> , 2016 , 11, e0166265	3.7	36
28	Fabrication of a Ga ³⁺ sensor probe based on methoxybenzylidenebenzenesulfonylhydrazide (MBBSH) by an electrochemical approach. <i>New Journal of Chemistry</i> , 2018 , 42, 1169-1180	3.6	34
27	Hydrothermally prepared Ag ₂ O/CuO nanomaterial for an efficient chemical sensor development for environmental remediation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018 , 10, 1-9	3.3	33
26	Trivalent Y ionic sensor development based on (E)-Methyl-N [?] -nitrobenzylidene-benzenesulfonylhydrazide (MNBSH) derivatives modified with nafion matrix. <i>Scientific Reports</i> , 2017 , 7, 5832	4.9	32
25	Ultrasensitive and label-free detection of creatine based on CdO nanoparticles: a real sample approach. <i>New Journal of Chemistry</i> , 2017 , 41, 6667-6677	3.6	29
24	d-Glucose sensor based on ZnO/V ₂ O ₅ NRs by an enzyme-free electrochemical approach.. <i>RSC Advances</i> , 2019 , 9, 31670-31682	3.7	26
23	Sensitive and selective heavy metal ion, Mn ²⁺ sensor development based on the synthesized (E)-N [?] -chlorobenzylidene-benzenesulfonylhydrazide (CBSH) molecules modified with nafion matrix. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 63, 312-321	6.3	24

22	A Ce ²⁺ sensor based on naphthalen-1-yl-methylene-benzenesulfonohydrazide (NMBSH) molecules: ecological sample analysis. <i>New Journal of Chemistry</i> , 2018 , 42, 4465-4473	3.6	20
21	Electrochemical Detection of Ni ²⁺ Ions Using Synthesized (E)-N-(4-Chlorobenzylidene)-4-methylbenzenesulfonohydrazide Derivatives Modified with a Nafion Matrix. <i>ChemistrySelect</i> , 2017 , 2, 7455-7464	1.8	20
20	Synthesis, characterization, and crystal structure of (E)-N-(4-Bromobenzylidene)-benzenesulfonohydrazide and its application as a sensor of chromium ion detection from environmental samples. <i>Journal of Molecular Structure</i> , 2020 , 1207, 127810	3.4	17
19	The synthesis and application of (E)-N-(benzo[dioxol-5-ylmethylene)-4-methyl-benzenesulfonohydrazide for the detection of carcinogenic lead.. <i>RSC Advances</i> , 2020 , 10, 5316-5327	3.7	14
18	Constituents of Erythrina - a Potential Source of Secondary Metabolites: A Review. <i>Bangladesh Pharmaceutical Journal</i> , 2016 , 19, 237-253	0.4	14
17	A non-enzymatic electrochemical approach for L-lactic acid sensor development based on CuO/MWCNT nanocomposites modified with a Nafion matrix. <i>New Journal of Chemistry</i> , 2020 , 44, 9775-9787	3.6	13
16	Non-enzymatic simultaneous detection of acetylcholine and ascorbic acid using ZnO/CuO nanoleaves: Real sample analysis. <i>Microchemical Journal</i> , 2020 , 159, 105534	4.8	13
15	Simultaneous detection of L-aspartic acid and glycine using wet-chemically prepared FeO@ZnO nanoparticles: real sample analysis.. <i>RSC Advances</i> , 2020 , 10, 19276-19289	3.7	12
14	A Thallium Ion Sensor Development Based on the Synthesized (E)-N-(Methoxybenzylidene)-4-Methylbenzenesulfonohydrazide Derivatives: Environmental Sample Analysis. <i>ChemistrySelect</i> , 2019 , 4, 10543-10549	1.8	9
13	A potent synthesis and supramolecular synthon hierarchy percipience of (E)-N-(Naphthalen-1-yl-methylene)-benzenesulfonohydrazide and 1-Napthaldehyde: A combined experimental and DFT studies. <i>Journal of Molecular Structure</i> , 2020 , 1221, 128797	3.4	8
12	Synthesis, characterization, and physicochemical studies of the synthesized dimethoxy-N-(phenylsulfonyl)-benzenesulfonohydrazide derivatives and used as a probe for calcium ion capturing: Natural sample analysis. <i>Journal of Molecular Structure</i> , 2020 , 1214, 128243	3.4	8
11	Enzyme-free detection of uric acid using hydrothermally prepared CuO/Fe ₂ O ₃ nanocrystals. <i>New Journal of Chemistry</i> , 2020 , 44, 19581-19590	3.6	7
10	An enzyme free detection of L-Glutamic acid using deposited CuO.GdO nanospikes on a flat glassy carbon electrode. <i>Surfaces and Interfaces</i> , 2020 , 20, 100617	4.1	7
9	Influence of chain length on the activity of tripeptidomimetic antagonists for CXC chemokine receptor 4 (CXCR4). <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 646-657	3.4	6
8	A Short Review on Phytoconstituents from Genus Albizzia and Erythrina. <i>Bangladesh Pharmaceutical Journal</i> , 2018 , 21, 160-172	0.4	5
7	A Comprehensive Review on the Phytoconstituents from Six Species of the Genus Amaranthus. <i>Bangladesh Pharmaceutical Journal</i> , 2019 , 22, 117-124	0.4	3
6	An enzyme free simultaneous detection of L-amino-butyric acid and testosterone based on copper oxide nanoparticles.. <i>RSC Advances</i> , 2021 , 11, 20794-20805	3.7	3
5	A Further Comprehensive Review on the Phytoconstituents from the Genus Erythrina. <i>Bangladesh Pharmaceutical Journal</i> , 2020 , 23, 65-77	0.4	2

4	A Mini Review on the Chemical Compounds of the Genus Acacia. <i>Bangladesh Pharmaceutical Journal</i> , 2019 , 22, 235-242	0.4	1
3	Development of L-cysteine sensor based on thallium oxide coupled multi-walled carbon nanotube nanocomposites with electrochemical approach.. <i>Chemistry - an Asian Journal</i> , 2021 ,	4.5	1
2	Penicillin-G sensor based on SnO ₂ .YbO nanosheets. <i>Journal of Saudi Chemical Society</i> , 2021 , 101392	4.3	0
1	Antimicrobial activity of n-hexane and Ethyl acetate extracts of <i>Erythrina stricta</i> Roxb. <i>Bangladesh Journal of Microbiology</i> , 2011 , 27, 65-66	0.6	