

Mohammad Musarraaf Hussain

List of Publications by Year in Descending Order

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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.

39
papers

1,019
citations

19
h-index

31
g-index

43
ext. papers

1,154
ext. citations

3.4
avg, IF

5.25
L-index

#	Paper	IF	Citations
39	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
38	Penicillin-G sensor based on SnO ₂ .YbO nanosheets. <i>Journal of Saudi Chemical Society</i> , 2021 , 101392	4.3	0
37	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
36	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
35	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
34	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
33	A potent synthesis and supramolecular synthon hierarchy percipience of (E)-N [?] -(Naphthalen-1-yl-methylene)-benzenesulfonylhydrazide and 1-Naphthaldehyde: A combined experimental and DFT studies. <i>Journal of Molecular Structure</i> , 2020 , 1221, 128797	3.4	8
32	The synthesis and application of (E)-N [?] -(benzo[dioxol-5-ylmethylene)-4-methyl-benzenesulfonylhydrazide for the detection of carcinogenic lead.. <i>RSC Advances</i> , 2020 , 10, 5316-5327	3.7	14
31	A Further Comprehensive Review on the Phytoconstituents from the Genus Erythrina. <i>Bangladesh Pharmaceutical Journal</i> , 2020 , 23, 65-77	0.4	2
30	Synthesis, characterization, and crystal structure of (E)-N [?] -(4-Bromobenzylidene)-benzenesulfonylhydrazide 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
29	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
28	An enzyme free detection of L-Glutamic acid using deposited CuO.GdO nanopikes on a flat glassy carbon electrode. <i>Surfaces and Interfaces</i> , 2020 , 20, 100617	4.1	7
27	Synthesis, characterization, and physicochemical studies of the synthesized dimethoxy-N [?] -(phenylsulfonyl)-benzenesulfonylhydrazide 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
26	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
25	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
24	A Mini Review on the Chemical Compounds of the Genus Acacia. <i>Bangladesh Pharmaceutical Journal</i> , 2019 , 22, 235-242	0.4	1
23	A Thallium Ion Sensor Development Based on the Synthesized (E)-N [?] -(Methoxybenzylidene)-4-Methylbenzenesulfonylhydrazide Derivatives: Environmental Sample Analysis. <i>ChemistrySelect</i> , 2019 , 4, 10543-10549	1.8	9

22	d-Glucose sensor based on ZnO/VO NRs by an enzyme-free electrochemical approach.. <i>RSC Advances</i> , 2019 , 9, 31670-31682	3.7	26
21	Development of selective Co ²⁺ ionic sensor based on various derivatives of benzenesulfonohydrazide (BSH) compound: An electrochemical approach. <i>Chemical Engineering Journal</i> , 2018 , 339, 133-143	14.7	40
20	Sensitive and selective heavy metal ion, Mn ²⁺ sensor development based on the synthesized (E)-N ² -chlorobenzylidene-benzenesulfonohydrazide (CBBSH) molecules modified with nafion matrix. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 63, 312-321	6.3	24
19	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
18	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
17	Fabrication of a Ga ³⁺ sensor probe based on methoxybenzylidenebenzenesulfonohydrazide (MBBSH) by an electrochemical approach. <i>New Journal of Chemistry</i> , 2018 , 42, 1169-1180	3.6	34
16	A Short Review on Phytoconstituents from Genus Albizzia and Erythrina. <i>Bangladesh Pharmaceutical Journal</i> , 2018 , 21, 160-172	0.4	5
15	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
14	Hg Sensor Development Based on (E)-Nitrobenzylidene-Benzenesulfonohydrazide (NBBSH) Derivatives Fabricated on a Glassy Carbon Electrode with a Nafion Matrix. <i>ACS Omega</i> , 2017 , 2, 420-431	3.9	56
13	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
12	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
11	Electrochemical Detection of Ni ²⁺ Ions Using Synthesized (E)-N ² -Chlorobenzylidene-4-methylbenzenesulfonohydrazide Derivatives Modified with a Nafion Matrix. <i>ChemistrySelect</i> , 2017 , 2, 7455-7464	1.8	20
10	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
9	Trivalent Y ionic sensor development based on (E)-Methyl-N ² -nitrobenzylidene-benzenesulfonohydrazide (MNBSH) derivatives modified with nafion matrix. <i>Scientific Reports</i> , 2017 , 7, 5832	4.9	32
8	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
7	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
6	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
5	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

4	A novel approach towards hydrazine sensor development using SrO/CNT nanocomposites. <i>RSC Advances</i> , 2016 , 6, 65338-65348	3.7	53
3	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
2	Constituents of Erythrina - a Potential Source of Secondary Metabolites: A Review. <i>Bangladesh Pharmaceutical Journal</i> , 2016 , 19, 237-253	0.4	14
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	