M M Alam

List of Publications by Citations

51 papers	1,180 citations	19 h-index	33 g-index
51 ext. papers	1,367 ext. citations	3.4 avg, IF	5.28 L-index

#	Paper	IF	Citations
51	Fabrication of 4-aminophenol sensor based on hydrothermally prepared ZnO/Yb2O3 nanosheets. *New Journal of Chemistry*, **2017**, 41, 9159-9169	3.6	119
50	One-step wet-chemical synthesis of ternary ZnO/CuO/Co3O4 nanoparticles for sensitive and selective melamine sensor development. *New Journal of Chemistry*, **2019**, 43, 4849-4858	3.6	113
49	Detection of uric acid based on doped ZnO/Ag2O/Co3O4 nanoparticle loaded glassy carbon electrode. *New Journal of Chemistry*, **2019**, 43, 8651-8659	3.6	110
48	Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb2O3) nanosheets for environmental safety. *RSC Advances*, **2017**, 7, 22627-22639	3.7	66
47	Fabrication of selective chemical sensor with ternary ZnO/SnO/YbO nanoparticles. *Talanta*, **2017**, 170, 215-223	6.2	65
46	Selective hydrazine sensor fabrication with facile low-dimensional Fe2O3/CeO2 nanocubes. *New Journal of Chemistry*, **2018**, 42, 10263-10270	3.6	59
45	3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCoO nanoparticles. *Talanta*, **2018**, 176, 17-25	6.2	48
44	Wet-chemically prepared low-dimensional ZnO/AlO/CrO nanoparticles for xanthine sensor development using an electrochemical method.. *RSC Advances*, **2018**, 8, 12562-12572	3.7	47
43	Fabrication of an acetone sensor based on facile ternary MnO2/Gd2O3/SnO2 nanosheets for environmental safety. *New Journal of Chemistry*, **2017**, 41, 9938-9946	3.6	45
42	Fabrication of 1,4-dioxane sensor based on microwave assisted PAni-SiO nanocomposites. *Talanta*, **2019**, 193, 64-69	6.2	42
41	2-Nitrophenol sensor-based wet-chemically prepared binary doped CoO/AlO nanosheets by an electrochemical approach.. *RSC Advances*, **2018**, 8, 960-970	3.7	40
40	Development of an efficient phenolic sensor based on facile Ag2O/Sb2O3 nanoparticles for environmental safety. *Nanoscale Advances*, **2019**, 1, 696-705	5.1	35
39	Facile and efficient 3-chlorophenol sensor development based on photolumenescent core-shell CdSe/ZnS quantum dots. *Scientific Reports*, **2020**, 10, 557	4.9	29
38	Detection of toxic choline based on MnO/NiO nanomaterials by an electrochemical method.. *RSC Advances*, **2019**, 9, 35146-35157	3.7	29
37	In-situ Glycine Sensor Development Based ZnO/Al2O3/Cr2O3 Nanoparticles. *ChemistrySelect*, **2018**, 3, 11460-11468	1.8	27
36	Nanocomposite based functionalized Polyethersulfone and conjugated ternary ZnYCdO nanomaterials for the fabrication of selective Cd2+ sensor probe. *Journal of Polymer Research*, **2018**, 25, 1	2.7	26
35	Efficient selective 4-aminophenol sensing and antibacterial activity of ternary Ag2O□SnO2□Cr2O3 nanoparticles. *New Journal of Chemistry*, **2019**, 43, 10352-10365	3.6	24

34	Enhanced visible light-mediated photocatalysis, antibacterial functions and fabrication of a 3-chlorophenol sensor based on ternary AgO□SrO□CaO.. *RSC Advances*, **2020**, 10, 11274-11291	3.7	24
33	Hybride ZnCdCrO embedded aminated polyethersulfone nanocomposites for the development of Hg2+ ionic sensor. *Materials Research Express*, **2018**, 5, 065019	1.7	22
32	Potential application of mixed metal oxide nanoparticle-embedded glassy carbon electrode as a selective 1,4-dioxane chemical sensor probe by an electrochemical approach.. *RSC Advances*, **2019**, 9, 42050-42061	3.7	18
31	The fabrication of a chemical sensor with PANI-TiO nanocomposites.. *RSC Advances*, **2020**, 10, 12224-12233	3.7	16
30	Selective Fabrication of an Electrochemical Sensor for Pb2+ Based on Poly(pyrrole-co-o□oluidine)/CoFe2O4 Nanocomposites. *ChemistrySelect*, **2019**, 4, 10609-10619	1.8	16
29	Poly(pyrrole--toluidine) wrapped CoFeO/R(GO-OXSWCNTs) ternary composite material for Ga sensing ability.. *RSC Advances*, **2019**, 9, 33052-33070	3.7	16
28	Detection of 3,4-diaminotoluene based on Sr0.3Pb0.7TiO3/CoFe2O4 core/shell nanocomposite via an electrochemical approach. *New Journal of Chemistry*, **2020**, 44, 7941-7953	3.6	13
27	Synthesis of novel pyrazole incorporating a coumarin moiety (PC) for selective and sensitive Co2+ detection. *New Journal of Chemistry*, **2019**, 43, 12331-12339	3.6	12
26	Nanocomposite Containing Cross-linked Poly(Methyl-Methacrylate)/Multiwall Carbon Nanotube as a Selective Y3+ Sensor Probe. *Polymer Composites*, **2019**, 40, E1673-E1684	3	12
25	Fabrication of selective and sensitive chemical sensor probe based on ternary nano-formulated CuO/MnO/GdO spikes by hydrothermal approach. *Scientific Reports*, **2020**, 10, 20248	4.9	10
24	Fabrication of a 3,4-Diaminotoluene Sensor Based on a TiO2 -Al2O3Nanocomposite Synthesized by a Fast and Facile Microwave Irradiation Method. *ChemistrySelect*, **2019**, 4, 12592-12600	1.8	10
23	Surfactant-assisted graphene oxide/methylaniline nanocomposites for lead ionic sensor development for the environmental remediation in real sample matrices. *International Journal of Environmental Science and Technology*, **2019**, 16, 8461-8470	3.3	9
22	Selective Hg2+ sensor performance based various carbon-nanofillers into CuO-PMMA nanocomposites. *Polymers for Advanced Technologies*, **2020**, 31, 1946-1962	3.2	9
21	3-Methoxyphenol chemical sensor fabrication with Ag2O/CB nanocomposites. *New Journal of Chemistry*, **2020**, 44, 2001-2010	3.6	9
20	An alternative electrochemical approach for toluene detection with ZnO/MgO/CrO nanofibers on a glassy carbon electrode for environmental monitoring.. *RSC Advances*, **2020**, 10, 44641-44653	3.7	7
19	Fabrication of hybrid PVA-PVC/SnZnOx/SWCNTs nanocomposites as Sn2+ ionic probe for environmental safety. *Polymer-Plastics Technology and Materials*, **2020**, 59, 642-657	1.5	6
18	The Performance of Various SWCNT Loading into CuO□PMMA Nanocomposites Towards the Detection of Mn2+ Ions. *Journal of Inorganic and Organometallic Polymers and Materials*, **2020**, 30, 5024-5041	3.2	5
17	Photocatalysis, photoinduced enhanced anti-bacterial functions and development of a selective -tolyl hydrazine sensor based on mixed Ag□NiMnO nanomaterials.. *RSC Advances*, **2020**, 10, 30603-30619	3.7	5

16	Detection of thiourea with ternary Ag2O/TiO2/ZrO2 nanoparticles by electrochemical approach. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 15422-15433	2.1	5
15	Electrochemical Detection of 2-Nitrophenol Using a Glassy Carbon Electrode Modified with BaO Nanorods. *Chemistry - an Asian Journal*, **2021**, 16, 1475-1485	4.5	5
14	A reliable alternative approach for the ultra-sensitive detection of L-glutathione with wet chemically synthesized Co3O4-doped SnO2 nanoparticles decorated on a glassy carbon electrode. *New Journal of Chemistry*, **2020**, 44, 16020-16030	3.6	4
13	Functionalized polyethersulfone as PES-NH2-metal oxide nanofilers for the detection of Y3+. *Polymer Bulletin*, **2019**, 76, 4485-4506	2.4	4
12	A reliable electrochemical approach for detection of testosterone with CuO-doped CeO2 nanocomposites-coated glassy carbon electrode. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 5259-5273	2.1	4
11	Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO2/V2O5 micro-sheets by electrochemical approach. *SN Applied Sciences*, **2020**, 2, 1	1.8	3
10	Photocatalytic, anti-bacterial performance and development of 2,4-diaminophenylhydrazine chemical sensor probe based on ternary doped Ag□SrSnO3 nanorods. *New Journal of Chemistry*, **2021**, 45, 1634-1650	3.6	3
9	Assessment of environmentally unsafe pollutants using facile wet-chemically prepared CeO2⍰rO2 nanocomposites by the electrochemical approach. *New Journal of Chemistry*, **2020**, 44, 20285-20293	3.6	2
8	Hybrid poly(ether-arylidene-ether-sulphone)s derivatives for divalent cobalt ion detection. *SN Applied Sciences*, **2020**, 2, 1	1.8	2
7	Facile SrO nanorods: an efficient and alternate detection approach for the selective removal of 4-aminophenol towards environmental safety. *New Journal of Chemistry*, **2020**, 44, 15507-15514	3.6	2
6	Selective 1,4-dioxane chemical sensor development with doped ZnO/GO nanocomposites by electrochemical approach. *Journal of Materials Science: Materials in Electronics*,1	2.1	1
5	Assessment of Melamine in Different Water Samples with ZnO-doped Co O Nanoparticles on a Glassy Carbon Electrode by Differential Pulse Voltammetry. *Chemistry - an Asian Journal*, **2021**, 16, 1820-1831	4.5	1
4	Photocatalytic performance, anti-bacterial activities and 3-chlorophenol sensor fabrication using MnAl2O4⍰ZnAl2O4 nanomaterials. *Nanoscale Advances*,	5.1	1
3	Highly sensitive sensor probe development with ZCCO nano-capsule composites for the selective detection of unsafe methanol chemical by electrochemical technique. *Applied Nanoscience (Switzerland)*,1	3.3	0
2	Development of 4-aminophenol sensor probe based on Co(0.8-x)ZrxNa0.2Fe2O4 nanocomposites for monitoring environmental toxins. *Emergent Materials*,1	3.5	0
1	Development of a 4-Nitrophenylhydrazine Sensor Based on MgTi2O4?TiO2?Zn2TiO4 Nanomaterials. *ChemistrySelect*, **2021**, 6, 323-331	1.8	