

# M N Abbas

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,528  
citations

331670  
21  
h-index

345221  
36  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive, rapid and inexpensive detection of DNA using paper based lateral flow assay. Scientific Reports, 2016, 6, 37732.	3.3	128
2	DNA biosensors based on gold nanoparticles-modified graphene oxide for the detection of breast cancer biomarkers for early diagnosis. Bioelectrochemistry, 2017, 118, 91-99.	4.6	128
3	Determination of traces of nitrite and nitrate in water by solid phase spectrophotometry. Analytica Chimica Acta, 2000, 410, 185-192.	5.4	83
4	A novel sensitive amperometric choline biosensor based on multiwalled carbon nanotubes and gold nanoparticles. Talanta, 2017, 167, 462-469.	5.5	64
5	Hydrogen chromate PVC matrix membrane sensor for potentiometric determination of chromium(III) and chromium(VI) ions. Talanta, 1996, 43, 797-804.	5.5	57
6	A cysteine sensor based on a gold nanoparticle-iron phthalocyanine modified graphite paste electrode. Analytical Methods, 2015, 7, 2529-2536.	2.7	50
7	Catalase based hydrogen peroxide biosensor for mercury determination by inhibition measurements. Journal of Hazardous Materials, 2017, 340, 344-350.	12.4	46
8	New triiodomercurate-modified carbon paste electrode for the potentiometric determination of mercury. Analytica Chimica Acta, 2003, 478, 329-335.	5.4	44
9	Cetylpyridinium-iodomercurate PVC membrane ion selective electrode for the determination of cetylpyridinium cation in Ezafluor mouth wash and as a detector for some potentiometric titrations. Talanta, 2000, 53, 425-432.	5.5	41
10	Spectrophotometric determination of traces of cobalt in water after preconcentration on reagent-loaded polyurethane foams. Analytica Chimica Acta, 1980, 119, 113-119.	5.4	37
11	Multicomponent analysis of some environmentally important gases using semiconductor tin oxide sensors. Analytica Chimica Acta, 2001, 431, 181-194.	5.4	32
12	Silicon Nitride Capacitive Chemical Sensor for Phosphate Ion Detection Based on Copper Phthalocyanine - Acrylate polymer. Electroanalysis, 2017, 29, 1586-1595.	2.9	32
13	Simultaneous determination of ascorbic acid, uric acid and dopamine using silver nanoparticles and copper monoamino-phthalocyanine functionalised acrylate polymer. Analytical Methods, 2020, 12, 3883-3891.	2.7	30
14	Novel solid-state cadmium ion-selective electrodes based on its tetraiodo- and tetrabromo-ion pairs with cetylpyridinium. Journal of Electroanalytical Chemistry, 2005, 576, 205-213.	3.8	29
15	PVC membrane ion selective electrode for the determination of pentachlorophenol in water, wood and soil using tetrazolium pentachlorophenolate. Talanta, 2001, 55, 647-656.	5.5	28
16	Electrocatalytic Nitrite Determination Using Iron Phthalocyanine Modified Gold Nanoparticles. Electroanalysis, 2015, 27, 1086-1096.	2.9	28
17	Development of a perchlorate sensor based on Co-phthalocyanine derivative by impedance spectroscopy measurements. Organic Electronics, 2015, 16, 77-86.	2.6	26
18	Novel lipoate-selective membrane sensor for the flow injection determination of $\pm$ -lipoic acid in pharmaceutical preparations and urine. Talanta, 2008, 74, 1113-1121.	5.5	25

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19	Highly Sensitive Choline Oxidase Enzyme Inhibition Biosensor for Lead Ions Based on Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2017, 29, 1741-1748.	2.9	25
20	Novel iron (III) phthalocyanine derivative functionalized semiconductor based transducers for the detection of citrate. <i>Organic Electronics</i> , 2016, 34, 200-207.	2.6	24
21	Cellulose nanocrystals decorated with gold nanoparticles immobilizing GOx enzyme for non-invasive biosensing of human salivary glucose. <i>Analytical Methods</i> , 2019, 11, 6073-6083.	2.7	24
22	A Novel Membrane Sensor for Histamine H1-Receptor Antagonist "Fexofenadine". <i>Analytical Sciences</i> , 2004, 20, 1137-1142.	1.6	23
23	Potentiometric Electronic Tongue to Resolve Mixtures of Sulfide and Perchlorate Anions. <i>Sensors</i> , 2011, 11, 3214-3226.	3.8	23
24	Evaluation of Bismuth Modified Carbon Thread Electrode for Simultaneous and Highly Sensitive Cd (II) and Pb (II) Determination. <i>Electroanalysis</i> , 2016, 28, 2205-2213.	2.9	22
25	Selective phosphate sensing using copper monoamino-phthalocyanine functionalized acrylate polymer-based solid-state electrode for FIA of environmental waters. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1599-1612.	2.5	22
26	Novel Sensitive Impedimetric Microsensor for Phosphate Detection Based on a Novel Copper Phthalocyanine Derivative. <i>Analytical Letters</i> , 2018, 51, 371-386.	1.8	22
27	Preconcentration of phenylmercury, methylmercury and inorganic mercury from natural waters with diethylammonium diethyldithiocarbamate-loaded polyurethane foam. <i>Analytica Chimica Acta</i> , 1981, 131, 311-314.	5.4	21
28	First derivative spectrophotometric determination of uranium(VI) and vanadium(V) in natural and saline waters and some synthetic matrices using PAR and cetylpyridinium chloride. <i>Analytica Chimica Acta</i> , 2001, 436, 223-231.	5.4	21
29	Gallamine-tetraphenylborate-modified carbon paste electrode for the potentiometric determination of gallamine triethiodide (Flaxedil). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 819-826.	2.8	21
30	Determination of prostate cancer biomarker acid phosphatase at a copper phthalocyanine-modified screen printed gold transducer. <i>Analytica Chimica Acta</i> , 2019, 1057, 98-105.	5.4	21
31	Picomolar-sensitive impedimetric sensor for salivary calcium analysis at POC based on SAM of Schiff base-modified gold electrode. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 723-737.	2.5	21
32	Multicomponent gas analysis of a mixture of chloroform, octane and toluene using a piezoelectric quartz crystal sensor array. <i>Analytica Chimica Acta</i> , 1999, 393, 67-76.	5.4	20
33	Citrate-selective electrochemical $\frac{1}{4}$ -sensor for early stage detection of prostate cancer. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 335-346.	7.8	19
34	Unloaded polyurethane foams as solid extractants for some metal thiocyanate complexes from aqueous solution. <i>Analytica Chimica Acta</i> , 1982, 134, 321-326.	5.4	18
35	Radioisotope-induced x-ray fluorescence termination of phenylmercury, methylmercury and inorganic mercury in water after preconcentration on diethylammonium diethyldithiocarbamate-loaded polyurethane foam discs. <i>Analytica Chimica Acta</i> , 1984, 160, 277-282.	5.4	18
36	Investigation of structural, optical and electrical properties of a new cobalt phthalocyanine thin films with potential applications in perchlorate sensor. <i>Synthetic Metals</i> , 2015, 209, 135-142.	3.9	17

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37	Highly sensitive and selective solid-contact calcium sensor based on Schiff base of benzil with 3-aminosalicylic acid covalently attached to polyacrylic acid amide for health care. Journal of Solid State Electrochemistry, 2018, 22, 181-192.	2.5	17
38	Biosensor for the oxidative stress biomarker glutathione based on SAM of cobalt phthalocyanine on a thioctic acid modified gold electrode. Journal of Solid State Electrochemistry, 2019, 23, 1129-1144.	2.5	17
39	Yersinia pestis detection using biotinylated dNTPs for signal enhancement in lateral flow assays. Analytica Chimica Acta, 2020, 1112, 54-61.	5.4	17
40	Flow Injection Potentiometric Determination of Atrazine in Herbicide Formulations. Analytical Letters, 1998, 31, 777-791.	1.8	14
41	Solid Phase Spectrophotometric Determination of Traces of Arsenate and Phosphate in Water Using Polyurethane Foam Sorbent. Analytical Letters, 2003, 36, 1231-1244.	1.8	14
42	Graphene oxide with covalently attached zinc monoamino-phthalocyanine coated graphite electrode as a potentiometric platform for citrate sensing in pharmaceutical preparations. Journal of Solid State Electrochemistry, 2015, 19, 2141-2154.	2.5	14
43	A Solid-Contact Indium(III) Sensor based on a Thiosulfinate Ionophore Derived from Omeprazole. Bulletin of the Korean Chemical Society, 2013, 34, 1153-1159.	1.9	13
44	A Novel Solid-Contact Sensor for Flow Injection Determination of Verapamil in Pharmaceutical Formulations and Urine. Current Pharmaceutical Analysis, 2008, 4, 90-100.	0.6	12
45	Development of a capacitive chemical sensor based on Co(II)-phthalocyanine acrylate-polymer/HfO <sub>2</sub> /SiO <sub>2</sub> for detection of perchlorate. Journal of Sensors and Sensor Systems, 2015, 4, 17-23.	0.9	12
46	Chemically Modified Carbon Paste Electrode for Iodide Determination on the Basis of Cetyltrimethylammonium Iodide Ion-Pair.. Analytical Sciences, 2003, 19, 229-233.	1.6	11
47	A durable solid contact sulfide sensor based on a ceric acrylohydrazide ionophore attached to polyacrylamide with a nanomolar detection limit. Analytical Methods, 2015, 7, 930-942.	2.7	11
48	Reagent-loaded and unloaded polyurethane foam as preconcentration matrix in neutron activation analysis. Journal of Radioanalytical Chemistry, 1981, 67, 359-366.	0.5	10
49	Diffuse Reflectance Spectroscopic Determination of Phosphate with Applications of Chromaticity Coordinates and Color Temperature. Analytical Sciences, 2003, 19, 1303-1308.	1.6	10
50	A Highly Sensitive Miniaturized Impedimetric Perchlorate Chemical Sensor. IEEE Sensors Journal, 2018, 18, 1343-1350.	4.7	9
51	Development of a Perchlorate Chemical Sensor Based on Magnetic Nanoparticles and Silicon Nitride Capacitive Transducer. Electroanalysis, 2018, 30, 901-909.	2.9	9
52	Determination of Traces Of Bismuth in Water with Polyurethane Foak Thin-Layer Spectrophotometry. Analytical Letters, 1988, 21, 1477-1486.	1.8	8
53	PVC Membrane Sensor for Potentiometric Determination of Atropine in Some Pharmaceutical Formulations. Instrumentation Science and Technology, 2008, 36, 209-221.	1.8	8
54	Optical, Electrical and Perchlorate Sensing Properties of a New CoPc Derivative. Sensor Letters, 2016, 14, 928-937.	0.4	7

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55	Determination of Traces of Mercury (II) and Phenylmercury by Direct Polyurethane foam Thin-Layer Spectrophotometry. Analytical Letters, 1989, 22, 2575-2585.	1.8	5
56	Microdetermination of Trace Cobalt In Water By Direct Polyurethane From Thin-Layer Spectrophotometry. Analytical Letters, 1989, 22, 1555-1565.	1.8	5
57	A NOVEL PVC MEMBRANE SELECTIVE ELECTRODE FOR THE DETERMINATION OF SODIUM NITROPRUSSIDE IN PHARMACEUTICAL PREPARATIONS. Analytical Letters, 2002, 35, 813-823.	1.8	5
58	Papaverine PVC Membrane Ion-Selective Electrodes Based on its Ion-Exchangers with Tetraphenylborate and Tetrathiocyanate Anions. Annali Di Chimica, 2007, 97, 771-780.	0.6	4
59	Semiquantitative and Quantitative Determination of Trace Amount of Phosphate Ion in Water Using Polyurethane Foam Thin -Layer Colorimetry. Analytical Letters, 1989, 22, 1765-1777.	1.8	3
60	Development of highly sensitive and selective bisphenol A sensor based on a cobalt phthalocyanine-modified carbon paste electrode: application in dairy analysis. Analytical Methods, 2021, 13, 4674-4682.	2.7	3
61	Development of optical sensor for determination of perchlorate ions. , 2022, , .		0