

Mohammad El-Shahawi

List of Publications by Year in descending order

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185
papers

4,540
citations

126708

33
h-index

143772

57
g-index

187
all docs

187
docs citations

187
times ranked

5475
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview on the accumulation, distribution, transformations, toxicity and analytical methods for the monitoring of persistent organic pollutants. <i>Talanta</i> , 2010, 80, 1587-1597.	2.9	495
2	Carbon dots: Biomacromolecule interaction, bioimaging and nanomedicine. <i>Coordination Chemistry Reviews</i> , 2017, 343, 256-277.	9.5	312
3	Recent advances in dispersive liquid-liquid microextraction for pesticide analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 72, 181-192.	5.8	138
4	Ultrasensitive, rapid and inexpensive detection of DNA using paper based lateral flow assay. <i>Scientific Reports</i> , 2016, 6, 37732.	1.6	128
5	Dispersive liquid-liquid microextraction for chemical speciation and determination of ultra-trace concentrations of metal ions. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 44, 12-24.	5.8	90
6	A critical overview on the chemistry, clean-up and recent advances in analysis of biogenic amines in foodstuffs. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 78, 84-94.	5.8	88
7	Analysis of some selected catechins and caffeine in green tea by high performance liquid chromatography. <i>Food Chemistry</i> , 2012, 134, 2268-2275.	4.2	85
8	Nontoxic amphiphilic carbon dots as promising drug nanocarriers across the blood-brain barrier and inhibitors of β -amyloid. <i>Nanoscale</i> , 2019, 11, 22387-22397.	2.8	83
9	Spectroscopic, thermal and electrochemical studies on some nickel(II) thiosemicarbazone complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 243-252.	2.0	78
10	A new method for analysis of sunset yellow in food samples based on cloud point extraction prior to spectrophotometric determination. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 529-535.	2.9	74
11	Chemical speciation and recovery of gold(I, III) from wastewater and silver by liquid-liquid extraction with the ion-pair reagent amiloride mono hydrochloride and AAS determination. <i>Talanta</i> , 2007, 72, 1494-1499.	2.9	70
12	Spectral, magnetic, thermal and electrochemical studies on new copper(II) thiosemicarbazone complexes. <i>Journal of Coordination Chemistry</i> , 2005, 58, 713-733.	0.8	69
13	Aptamer Lateral Flow Assays for Ultrasensitive Detection of β -Conglutin Combining Recombinase Polymerase Amplification and Tailed Primers. <i>Analytical Chemistry</i> , 2016, 88, 10701-10709.	3.2	66
14	Synthesis, spectroscopic characterization, redox properties and catalytic activity of some ruthenium(II) complexes containing aromatic aldehyde and triphenylphosphine or triphenylarsine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 121-127.	2.0	63
15	Serum protein biomarkers relevant to hepatocellular carcinoma and their detection. <i>Analyst</i> , The, 2016, 141, 36-44.	1.7	60
16	High Affinity Aptamer for the Detection of the Biogenic Amine Histamine. <i>Analytical Chemistry</i> , 2019, 91, 7104-7111.	3.2	54
17	Interactions between Carbon Nanomaterials and Biomolecules. <i>Journal of Oleo Science</i> , 2016, 65, 1-7.	0.6	52
18	Advances in aptamers-based lateral flow assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 97, 385-398.	5.8	50

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19	Polymer membrane sensors for sildenafil citrate (Viagra) determination in pharmaceutical preparations. <i>Analytica Chimica Acta</i> , 2004, 515, 303-309.	2.6	47
20	Sorption profile and chromatographic separation of uranium (VI) ions from aqueous solutions onto date pits solid sorbent. <i>Talanta</i> , 2008, 76, 1041-1046.	2.9	47
21	Duplex Lateral Flow Assay for the Simultaneous Detection of <i>Yersinia pestis</i> and <i>Francisella tularensis</i> . <i>Analytical Chemistry</i> , 2018, 90, 12745-12751.	3.2	47
22	Chemical speciation of chromium(III,VI) employing extractive spectrophotometry and tetraphenylarsonium chloride or tetraphenylphosphonium bromide as ion-pair reagent. <i>Analytica Chimica Acta</i> , 2005, 534, 319-326.	2.6	46
23	Determination of the composition, encapsulation efficiency and loading capacity in protein drug delivery systems using circular dichroism spectroscopy. <i>Analytica Chimica Acta</i> , 2016, 937, 113-118.	2.6	46
24	Carbon dots and gold nanoparticles based immunoassay for detection of alpha-L-fucosidase. <i>Analytica Chimica Acta</i> , 2018, 1041, 114-121.	2.6	45
25	Sorption characteristics and chromatographic separation of gold (I and III) from silver and base metal ions using polyurethane foams. <i>Analytica Chimica Acta</i> , 2007, 601, 218-229.	2.6	43
26	Part 1. Spectrophotometric determination of trace mercury (II) in dental-unit wastewater and fertilizer samples using the novel reagent 6-hydroxy-3-(2-oxoindolin-3-ylideneamino)-2-thioxo-2H-1,3-thiazin-4(3H)-one and the dual-wavelength λ^2 -correction spectrophotometry. <i>Journal of Hazardous Materials</i> , 2010, 178, 287-292.	6.5	43
27	Pediatric glioblastoma target-specific efficient delivery of gemcitabine across the blood-brain barrier via carbon nitride dots. <i>Nanoscale</i> , 2020, 12, 7927-7938.	2.8	43
28	Dark carbon dots specifically light-up calcified zebrafish bones. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7398-7405.	2.9	42
29	Gold nanoparticle aptamer assay for the determination of histamine in foodstuffs. <i>Mikrochimica Acta</i> , 2020, 187, 452.	2.5	38
30	Trace determination of Cr(III) and Cr(VI) species in water samples via dispersive liquid-liquid microextraction and microvolume UV-Vis spectrometry. Thermodynamics, speciation study. <i>Journal of Molecular Liquids</i> , 2016, 224, 1242-1248.	2.3	37
31	Spectrophotometric determination of periodate or iodate ions by liquid-liquid extraction as an ion-pair using tetramethylammonium iodide. <i>Talanta</i> , 1996, 43, 2037-2043.	2.9	35
32	Retention and thermodynamic characteristics of mercury(II) complexes onto polyurethane foams. <i>Analytica Chimica Acta</i> , 2003, 481, 29-39.	2.6	35
33	A Potentiometric Rhodamine-B Based Membrane Sensor for the Selective Determination of Chromium Ions in Wastewater. <i>Analytical Sciences</i> , 2005, 21, 673-678.	0.8	35
34	Duplex PCR-ELONA for the detection of pork adulteration in meat products. <i>Food Chemistry</i> , 2019, 287, 354-362.	4.2	35
35	Ruthenium(II) 2-hydroxybenzophenone N(4)-substituted thiosemicarbazone complexes. <i>Transition Metal Chemistry</i> , 2000, 25, 470-473.	0.7	34
36	The characterization and validation of $^{17}\beta$ -estradiol binding aptamers. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 167, 14-22.	1.2	34

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37	Biogenic Amines Formation Mechanism and Determination Strategies: Future Challenges and Limitations. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 50, 485-500.	1.8	32
38	Determination of Trace Levels of Diosmin in a Pharmaceutical Preparation by Adsorptive Stripping Voltammetry at a Glassy Carbon Electrode. <i>Analytical Sciences</i> , 2006, 22, 1351-1354.	0.8	31
39	Kinetics, thermodynamic and chromatographic behaviour of the uranyl ions sorption from aqueous thiocyanate media onto polyurethane foams. <i>Analytica Chimica Acta</i> , 2005, 546, 221-228.	2.6	30
40	Retention profile, kinetics and sequential determination of selenium(IV) and (VI) employing 4,4'-dichlorodithizone immobilized-polyurethane foams. <i>Talanta</i> , 2005, 67, 806-815.	2.9	30
41	Dual-wavelength λ^2 -correction spectrophotometric determination of trace concentrations of cyanide ions based on the nucleophilic addition of cyanide to imine group of the new reagent 4-hydroxy-3-(2-oxoindolin-3-ylideneamino)-2-thioxo-2H-1,3-thiazin-6(3H)-one. <i>Analytica Chimica Acta</i> , 2010, 657, 69-74.	2.6	30
42	Spectrofluorometric determination and chemical speciation of trace concentrations of chromium (III) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2011, 84, 175-179.	2.9	30
43	Hexamethyldisilazane Modified Paper as an Ultra-sensitive Platform for Visual Detection of Hg ²⁺ , Co ²⁺ , Zn ²⁺ and the Application to Semi-quantitative Determination of Hg ²⁺ in Wastewater. <i>Analytical Sciences</i> , 2016, 32, 491-497.	0.8	29
44	Spectroscopic and electrochemical characterization of some Schiff base metal complexes containing benzoin moiety. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 459-465.	2.0	28
45	Separation and determination of cadmium in water by foam column prior to inductively coupled plasma optical emission spectrometry. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 308-314.	2.9	28
46	wastewater samples employing some onium cations loaded polyurethane foams. <i>Microchemical Journal</i> , 2008, 89, 13-19.	2.3	27
47	Selection and characterization of DNA aptamers against the steroid testosterone. <i>Mikrochimica Acta</i> , 2017, 184, 1631-1639.	2.5	27
48	Synthesis and spectroscopic characterization of cobalt(II) thiosemicarbazone complexes. <i>Journal of Coordination Chemistry</i> , 2006, 59, 845-859.	0.8	26
49	One-Pot SELEX: Identification of Specific Aptamers against Diverse Steroid Targets in One Selection. <i>ACS Omega</i> , 2019, 4, 20188-20196.	1.6	26
50	Spectroelectrochemistry of nickel(II) complexes of N,N'-bis(salicylaldehyde)-o-phenylenediamine and N,N-bis(2-hydroxy-1-naphthaldehyde)-o-phenylenediamine using an optically transparent thin-layer electrode. <i>Analyst</i> , 1994, 119, 327-331.	1.7	25
51	Potentiometric Determination of Dopamine in Pharmaceutical Preparations by Crown Ether-PVC Membrane Sensors. <i>Analytical Sciences</i> , 2004, 20, 651-655.	0.8	25
52	Differential Pulse Polarographic Analysis of Chlorpyrifos Insecticide. <i>Electroanalysis</i> , 1998, 10, 784-786.	1.5	24
53	Effect of polymer coating composition on the aggregation rates of Ag nanoparticles in NaCl solutions and seawaters. <i>Science of the Total Environment</i> , 2018, 631-632, 1153-1162.	3.9	24
54	Retention and separation of some organic water pollutants with unloaded and tri-n-octylamine loaded polyester-based polyurethane foams. <i>Talanta</i> , 1994, 41, 1481-1488.	2.9	23

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55	Extraction equilibrium of the ion-associate of periodate with amiloride hydrochloride and simultaneous spectrophotometric determination of periodate and iodate by liquid-liquid extraction. <i>Analytica Chimica Acta</i> , 1997, 356, 85-91.	2.6	23
56	Development of an Analytical Method for Trace Gold in Aqueous Solution Using Polyurethane Foam Sorbents: Kinetic and Thermodynamic Characteristic of Gold(III) Sorption. <i>Analytical Sciences</i> , 2009, 25, 413-418.	0.8	23
57	Ultrasensitive and rapid detection of β -2-conglutin combining aptamers and isothermal recombinase polymerase amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 143-149.	1.9	23
58	Analysis of domperidone in pharmaceutical formulations and wastewater by differential pulse voltammetry at a glassy-carbon electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 719-725.	1.9	22
59	Removal of organic pollutants from aqueous solution. <i>Journal of Chromatography A</i> , 1991, 552, 371-379.	1.8	21
60	Sensitive detection and semiquantitative determination of mercury(II) and lead(II) in aqueous media using polyurethane foam immobilized 1,5-di-(2-fluorophenyl)-3-mercaptopformazan. <i>Talanta</i> , 1997, 45, 203-211.	2.9	21
61	The effects of salinity, temperature, and UV irradiation on leaching and adsorption of phthalate esters from polyethylene in seawater. <i>Science of the Total Environment</i> , 2022, 838, 155461.	3.9	21
62	Preconcentration and separation of acaricides by polyether based polyurethane foam. <i>Analytica Chimica Acta</i> , 1996, 320, 277-287.	2.6	20
63	Retention profiles of some commercial pesticides, pyrethroid and acaricide residues and their application to tomato and parsley plants. <i>Journal of Chromatography A</i> , 1997, 760, 179-192.	1.8	20
64	Determination of the pesticide Chlorpyrifos by cathodic adsorptive stripping voltammetry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 362, 344-347.	1.5	20
65	Extraction and recovery of Au, Sb and Sn from electrorefined solid waste. <i>Analytica Chimica Acta</i> , 2001, 436, 69-77.	2.6	20
66	A highly conductive thin film composite based on silver nanoparticles and malic acid for selective electrochemical sensing of trichloroacetic acid. <i>Analytica Chimica Acta</i> , 2018, 1036, 33-48.	2.6	20
67	Ligand influence on the electrochemical behavior of some copper(II) thiosemicarbazone complexes. <i>Transition Metal Chemistry</i> , 2005, 30, 464-470.	0.7	19
68	Aptatope mapping of the binding site of a progesterone aptamer on the steroid ring structure. <i>Analytical Biochemistry</i> , 2017, 531, 8-11.	1.1	19
69	Mechanisms of silver nanoparticle toxicity to the coastal marine diatom <i>Chaetoceros curvisetus</i> . <i>Scientific Reports</i> , 2017, 7, 10777.	1.6	19
70	Chromium(III) complexes with sugars. <i>Inorganica Chimica Acta</i> , 1986, 124, L25-L26.	1.2	18
71	A novel barium polymeric membrane sensor for selective determination of barium and sulphate ions based on the complex ion associate barium(II)-Rose Bengal as neutral ionophore. <i>Analytica Chimica Acta</i> , 2006, 555, 322-328.	2.6	18
72	Headspace sorptive solid phase microextraction (HS-SPME) combined with a spectrophotometry system: A simple glass devise for extraction and simultaneous determination of cyanide and thiocyanate in environmental and biological samples. <i>Talanta</i> , 2016, 159, 137-142.	2.9	18

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73	Hand drawn paper-based optical assay plate for rapid and trace level determination of Ag ⁺ in water. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 321-330.	4.0	18
74	Tyrosinase enzyme Langmuir monolayer: Surface chemistry and spectroscopic study. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 254-263.	5.0	18
75	Qualitative and semi-quantitative determination of chromium(VI) in aqueous solution using 1,5-diphenylcarbazine-loaded foam. <i>Analyst</i> , 1981, 106, 809.	1.7	17
76	Iodometric determination of gold and platinum by 168- and 126-fold chemical amplification reactions. <i>Analytica Chimica Acta</i> , 1995, 307, 139-144.	2.6	17
77	Kinetics and retention characteristics of some nitrophenols onto polyurethane foams. <i>Analytica Chimica Acta</i> , 2003, 487, 249-259.	2.6	17
78	Alpha-L-Fucosidase Immunoassay for Early Detection of Hepatocellular Carcinoma. <i>Analytical Chemistry</i> , 2017, 89, 9459-9466.	3.2	17
79	Electrochemical sensor for trace determination of timolol maleate drug in real samples and drug residues using Nafion/carboxylated-MWCNTs nanocomposite modified glassy carbon electrode. <i>Microchemical Journal</i> , 2018, 143, 474-483.	2.3	17
80	<i>Yersinia pestis</i> detection using biotinylated dNTPs for signal enhancement in lateral flow assays. <i>Analytica Chimica Acta</i> , 2020, 1112, 54-61.	2.6	17
81	Spectrofluorimetric method for measuring the activity of the enzyme α -L-fucosidase using the ion associate of 2-chloro-4-nitro phenol-rhodamine-B. <i>Talanta</i> , 2009, 80, 19-23.	2.9	16
82	Kinetics and thermodynamic characteristics of cadmium(II) sorption from water using procaine hydrochloride physically impregnated polyurethane foam. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 147-152.	2.9	16
83	Styrofoam modified paper as a low-cost platform for qualitative and semi-quantitative determination of Ni ²⁺ ions in wastewater. <i>Analytical Methods</i> , 2016, 8, 1496-1504.	1.3	16
84	Qualitative, semi-quantitative and spectrophotometric determination of ruthenium(III) by solid-phase extraction with 3-hydroxy-2-methyl-1,4-naphthoquinone-4-oxime-loaded polyurethane foam columns. <i>Journal of Chromatography A</i> , 1995, 697, 185-190.	1.8	15
85	Detection and semi-quantitative determination of bismuth(III) in water on immobilized and plasticized polyurethane foams with some chromogenic reagents. <i>Talanta</i> , 1997, 44, 483-489.	2.9	15
86	Flow-injection extraction-spectrophotometric determination of manganese(VII) with benzyltributylammonium cations. <i>Analytica Chimica Acta</i> , 1992, 270, 213-215.	2.6	14
87	Preconcentration and Separation of Phenols from Water by Polyurethane Foams. <i>Separation Science and Technology</i> , 1994, 29, 289-299.	1.3	14
88	Adsorptive stripping voltammetric measurements of trace amounts of platinum(II) and ruthenium(III) in the presence of 1-(2-pyridylazo)-2-naphthol. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 348, 730-735.	1.5	14
89	Solid phase preconcentration and determination of trace concentrations of total gold (I) and/or (III) in sea and wastewater by ion pairing impregnated polyurethane foam packed column prior flame atomic absorption spectrometry. <i>International Journal of Mineral Processing</i> , 2011, 100, 110-115.	2.6	14
90	Ion pairing based polyurethane foam sorbent packed column combined with inductively coupled plasma-optical emission spectrometry for sensitive determination and chemical speciation of bismuth(III & V) in water. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 377-383.	2.9	14

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91	An ultrasound-assisted ion association dispersive liquid-liquid microextraction coupled with micro-volume spectrofluorimetry for chromium speciation. <i>RSC Advances</i> , 2016, 6, 69492-69500.	1.7	14
92	Detection of silver nanoparticles in seawater at ppb levels using UV-visible spectrophotometry with long path cells. <i>Talanta</i> , 2017, 164, 257-260.	2.9	14
93	A Highly Structured 1,10-Phenanthroline Arrayed Hydrophobic Sulfone Membrane Platform for the Rapid Determination and Speciation of Fe ²⁺ /Fe ³⁺ Ions in Water. <i>Analytical Sciences</i> , 2017, 33, 511-515.	0.8	14
94	Differential pulse voltammetric determination of the dopaminergic agonist bromocriptine at glassy carbon electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 195-198.	1.4	13
95	An investigation into the retention profile and kinetics of sorption of the ternary complex ion associate of uranyl ions with crown ether and picric acid by the polyurethane foams. <i>Analytica Chimica Acta</i> , 2005, 536, 227-235.	2.6	13
96	Chemical Speciation of Chromium(III) and (VI) Using Phosphonium Cation Impregnated Polyurethane Foams Prior to Their Spectrometric Determination. <i>Analytical Sciences</i> , 2011, 27, 757-763.	0.8	13
97	Extractive liquid-liquid spectrofluorometric determination of trace and ultra concentrations of bromate in water samples by the fluorescence quenching of tetraphenylphosphonium iodide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 138, 736-742.	2.0	13
98	Collection and separation of some organic insecticides on polyurethane foam columns. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1986, 324, 59-60.	0.7	12
99	Iodometric microgram determination of Mn(II) in aqueous media by an indirect chemical amplification reaction. <i>Talanta</i> , 1989, 36, 783-785.	2.9	12
100	Antioxidant and antibacterial characteristics of phenolic extracts of locally produced honey in Saudi Arabia. <i>International Journal of Food Sciences and Nutrition</i> , 2011, 62, 513-517.	1.3	12
101	Mineral processing and extraction of rare earth elements from the Wadi Khamal Nelsonite Ore, Northwestern Saudi Arabia. <i>Arabian Journal of Geosciences</i> , 2011, 4, 353-363.	0.6	12
102	Analysis of Some Selected Persistent Organic Chlorinated Pesticides in Marine Water and Food Stuffs by Differential Pulse-Cathodic Stripping Voltammetry. <i>Electroanalysis</i> , 2011, 23, 1175-1185.	1.5	12
103	Spectrofluorometric determination and chemical speciation of trace concentrations of tungsten species in water using the ion pairing reagent procaine hydrochloride. <i>Talanta</i> , 2012, 88, 587-592.	2.9	12
104	Polyethersulfone membrane printed with 1-(2-pyridylazo)-2-naphthol (PAN) sensor for sensitive enrichment and rapid determination of Zn ²⁺ in water. <i>RSC Advances</i> , 2016, 6, 73731-73740.	1.7	12
105	The retention behaviour and separation of some water-soluble organophosphorus insecticides on polyester-based polyurethane foams. <i>Talanta</i> , 1995, 42, 1471-1478.	2.9	11
106	A novel platform based on gold nanoparticles chemically impregnated polyurethane foam sorbent coupled ion chromatography for selective separation and trace determination of phosphate ions in water. <i>Microchemical Journal</i> , 2019, 149, 103987.	2.3	11
107	A quercetin based fluorescent chemical sensor for ultra-sensitive determination and speciation of tungsten species in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117929.	2.0	11
108	Spectrophotometric determination of copper(II) in natural waters, vitamins and certified steel scrap samples using acetophenone-p-chlorophenylthiosemicarbazone. <i>Journal of the Iranian Chemical Society</i> , 2006, 3, 140-150.	1.2	10

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109	Extractive liquid-liquid spectrophotometric procedure for the determination of thiocyanate ions employing the ion pair reagent amiloride monohydrochloride. <i>Analytica Chimica Acta</i> , 2007, 592, 16-23.	2.6	10
110	Synthesis, spectroscopic and electrochemical characterizations of new Schiff base chelator towards Ru ³⁺ , Pt ⁴⁺ and Ir ³⁺ metal ions. <i>Journal of Molecular Liquids</i> , 2018, 266, 242-251.	2.3	10
111	Rapid and sensitive microassay for trace determination and speciation of Cu ²⁺ on commercial book-paper printed with nanolitre arrays of novel chromogenic reagent. <i>Microchemical Journal</i> , 2019, 146, 434-443.	2.3	10
112	Rapid and sensitive determination of Pb ²⁺ in water using chromogenic reagent patterned on nail polish modified filter paper. <i>Microchemical Journal</i> , 2020, 153, 104448.	2.3	10
113	Iodometric microdetermination of arsenic and antimony in organic compounds by use of amplification reactions. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 346, 455-455.	1.5	9
114	Spectrophotometric determination of bismuth(III and V) in water after ion-pair liquid-liquid extraction using tetramethylammonium cation as counter ion. <i>Fresenius' Journal of Analytical Chemistry</i> , 1996, 354, 200-203.	1.5	9
115	Use of open-cell resilient polyurethane foam loaded with crown ether for the preconcentration of uranium from aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 258, 619-625.	0.7	9
116	A miniaturized assay for sensitive determination of Cu ²⁺ ions on nanolitre arrayed 4-(2-pyridylazo)resorcinol (PAR) spots on polyethersulfone membrane platform. <i>Journal of Molecular Liquids</i> , 2017, 229, 574-582.	2.3	9
117	Enhancing sensitivity by Triton X-100 in extractive spectrophotometric determination of chromium via transforming the formed binary complex ion associate between chromate and rhodamine 6G into an adduct. <i>Journal of Molecular Liquids</i> , 2018, 261, 225-231.	2.3	9
118	Development of a highly sensitive voltametric sensor for trace determination of melamine residues in milk and water samples. <i>Microchemical Journal</i> , 2020, 157, 105087.	2.3	9
119	Chromium(III) complexes of (α)-tartaric and (α)-mandelic acids. <i>Transition Metal Chemistry</i> , 1992, 17, 543-546.	0.7	8
120	The sorption behaviour and separation of some metal thiocyanate complexes on polyether-based polyurethane foam. <i>Talanta</i> , 1994, 41, 617-623.	2.9	8
121	Heavy metal (Ni, Co, Cr and Pb) contamination in liver and skin tissues of lehrinus lentjanfish family: lehrinidae (toelost) from the Arabian Gulf. <i>International Journal of Food Sciences and Nutrition</i> , 1998, 49, 447-451.	1.3	8
122	Chemical equilibria and sequential extractive spectrophotometric determination of selenium(IV) and (VI) using the chromogenic reagent 4,4'-dichlorodithione. <i>International Journal of Environmental Analytical Chemistry</i> , 2006, 86, 941-954.	1.8	8
123	Synthesis and voltammetric study of some new macrocyclic sulfur compounds for use as chelating agents for separation of arsenic (III) in wastewater and as molluscicidal agents against Biomphalaria Alexandrina Snails. <i>Comptes Rendus Chimie</i> , 2012, 15, 617-626.	0.2	8
124	Quantification of Nucleic Acid Concentration in the Nanoparticle or Polymer Conjugates Using Circular Dichroism Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 2255-2262.	3.2	8
125	Square Wave Anodic Stripping Voltammetric Determination of Copper at a Bismuth Film/Glassy Carbon Electrode Using 3-((2-Mercapto-1-Vinyl)-1-Hydrazono)-1,3-Dihydro-2-Indol-1-one. <i>Electroanalysis</i> , 2018, 30, 1837-1846.		8
126	A promazine derivative-oriented chemical sensor for ultra-sensitive chromium determination. <i>New Journal of Chemistry</i> , 2018, 42, 6498-6506.	1.4	8

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127	Poly(methyl methacrylate)-modified cellulose fibers patterned with highly selective chromogenic reagent for rapid and trace determination of Co ²⁺ in water. <i>Analytical Methods</i> , 2018, 10, 4454-4462.	1.3	8
128	A highly selective electrochemical sensor for trace determination and speciation of antimony (III) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 2917-2927.	1.0	8
129	Phase separation and physical properties of sodium borosilicate glasses with intermediate silica content. <i>Journal Physics D: Applied Physics</i> , 1990, 23, 1441-1446.	1.3	7
130	Trace Analysis by Direct Spectrophotometric Measurements on Polyurethane Foam. Determination of Chromium (VI) as Blue Perchromic Acid with Unloaded & Tri-n-Butylphosphate Loaded Foam. <i>Analytical Letters</i> , 1990, 23, 703-717.	1.0	7
131	Spectrophotometry Determination of Nickel(II) with Some Schiff Base Ligands. <i>Analytical Sciences</i> , 1991, 7, 443-446.	0.8	7
132	Preconcentration and separation of some organic water pollutants with polyurethane foam and activated carbon. <i>Chromatographia</i> , 1993, 36, 318-322.	0.7	7
133	Spectrophotometric and Polarographic Studies of Di-2-pyridyl ketone 2-thienoylhydrazone.. <i>Analytical Letters</i> , 1994, 27, 1907-1919.	1.0	7
134	Chemical amplification methods for the sequential determination of trace amounts of ruthenium by titrimetric and spectrophotometric procedures. <i>Talanta</i> , 1995, 42, 1641-1649.	2.9	7
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