

Mohammad El-Shahawi

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182
papers

3,455
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28
h-index

49
g-index

187
ext. papers

3,945
ext. citations

4.7
avg, IF

5.55
L-index

#	Paper	IF	Citations
182	An overview on the accumulation, distribution, transformations, toxicity and analytical methods for the monitoring of persistent organic pollutants. <i>Talanta</i> , 2010 , 80, 1587-97	6.2	385
181	Carbon dots: Biomacromolecule interaction, bioimaging and nanomedicine. <i>Coordination Chemistry Reviews</i> , 2017 , 343, 256-277	23.2	205
180	Recent advances in dispersive liquid-liquid microextraction for pesticide analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 72, 181-192	14.6	114
179	Ultrasensitive, rapid and inexpensive detection of DNA using paper based lateral flow assay. <i>Scientific Reports</i> , 2016 , 6, 37732	4.9	94
178	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	14.6	82
177	Analysis of some selected catechins and caffeine in green tea by high performance liquid chromatography. <i>Food Chemistry</i> , 2012 , 134, 2268-75	8.5	75
176	Spectroscopic, thermal and electrochemical studies on some nickel(II) thiosemicarbazone complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 61, 243-52	4.4	69
175	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	14.6	68
174	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, 1494-9	6.2	66
173	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	6.3	63
172	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, 121-7	4.4	61
171	Spectral, magnetic, thermal and electrochemical studies on new copper(II) thiosemicarbazone complexes. <i>Journal of Coordination Chemistry</i> , 2005 , 58, 713-733	1.6	61
170	Aptamer Lateral Flow Assays for Ultrasensitive Detection of EColi Conglutin Combining Recombinase Polymerase Amplification and Tailed Primers. <i>Analytical Chemistry</i> , 2016 , 88, 10701-10709	7.8	54
169	Serum protein biomarkers relevant to hepatocellular carcinoma and their detection. <i>Analyst, The</i> , 2016 , 141, 36-44	5	49
168	Interactions between Carbon Nanomaterials and Biomolecules. <i>Journal of Oleo Science</i> , 2016 , 65, 1-7	1.6	44
167	Nontoxic amphiphilic carbon dots as promising drug nanocarriers across the blood-brain barrier and inhibitors of E Amyloid. <i>Nanoscale</i> , 2019 , 11, 22387-22397	7.7	43
166	Sorption profile and chromatographic separation of uranium (VI) ions from aqueous solutions onto date pits solid sorbent. <i>Talanta</i> , 2008 , 76, 1041-6	6.2	41

165	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 beta-correction spectrophotometry. <i>Journal of Hazardous Materials</i> , 2010 , 178, 287-92	12.8	40
164	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	6.6	39
163	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, 113-8	6.6	37
162	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, 218-29	6.6	36
161	Ruthenium(II) 2-hydroxybenzophenone N(4)-substituted thiosemicarbazone complexes. <i>Transition Metal Chemistry</i> , 2000 , 25, 470-473	2.1	34
160	Advances in aptamers-based lateral flow assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 97, 385-398	14.6	33
159	Polymer membrane sensors for sildenafil citrate (Viagra) determination in pharmaceutical preparations. <i>Analytica Chimica Acta</i> , 2004 , 515, 303-309	6.6	33
158	A potentiometric rhodamine-B based membrane sensor for the selective determination of chromium ions in wastewater. <i>Analytical Sciences</i> , 2005 , 21, 673-8	1.7	31
157	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	7.8	31
156	Retention and thermodynamic characteristics of mercury(II) complexes onto polyurethane foams. <i>Analytica Chimica Acta</i> , 2003 , 481, 29-39	6.6	29
155	"Dark" carbon dots specifically "light-up" calcified zebrafish bones. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7398-7405	7.3	29
154	High Affinity Aptamer for the Detection of the Biogenic Amine Histamine. <i>Analytical Chemistry</i> , 2019 , 91, 7104-7111	7.8	28
153	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	6	28
152	Spectrophotometric determination of periodate or iodate ions by liquid-liquid extraction as an ion-pair using tetramethylammonium iodide. <i>Talanta</i> , 1996 , 43, 2037-43	6.2	28
151	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, 491-7	1.7	27
150	Spectrofluorometric determination and chemical speciation of trace concentrations of chromium (III & VI) species in water using the ion pairing reagent tetraphenyl-phosphonium bromide. <i>Talanta</i> , 2011 , 84, 175-9	6.2	27
149	Dual-wavelength beta-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	6.6	26
148	Retention profile and subsequent chemical speciation of chromium (III) and (VI) in industrial wastewater samples employing some onium cations loaded polyurethane foams. <i>Microchemical Journal</i> , 2008 , 89, 13-19	4.8	26

147	Retention profile, kinetics and sequential determination of selenium(IV) and (VI) employing 4,4'-dichlorodithizone immobilized-polyurethane foams. <i>Talanta</i> , 2005 , 67, 806-15	6.2	26
146	Synthesis and spectroscopic characterization of cobalt(II) thiosemicarbazone complexes. <i>Journal of Coordination Chemistry</i> , 2006 , 59, 845-859	1.6	26
145	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	6.6	25
144	The characterization and validation of ¹⁷ Estradiol binding aptamers. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 167, 14-22	5.1	24
143	Selection and characterization of DNA aptamers against the steroid testosterone. <i>Mikrochimica Acta</i> , 2017 , 184, 1631-1639	5.8	22
142	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	6.3	22
141	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, 1351-4	1.7	22
140	Carbon dots and gold nanoparticles based immunoassay for detection of alpha-L-fucosidase. <i>Analytica Chimica Acta</i> , 2018 , 1041, 114-121	6.6	22
139	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, 413-8	1.7	20
138	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, 459-65	4.4	19
137	Sensitive detection and semiquantitative determination of mercury(II) and lead(II) in aqueous media using polyurethane foam immobilized 1,5-di-(2-fluorophenyl)-3-mercaptoformazan. <i>Talanta</i> , 1997 , 45, 203-11	6.2	19
136	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, 719-25	4.4	19
135	Potentiometric determination of dopamine in pharmaceutical preparations by crown ether-PVC membrane sensors. <i>Analytical Sciences</i> , 2004 , 20, 651-5	1.7	19
134	Extraction and recovery of Au, Sb and Sn from electrorefined solid waste. <i>Analytica Chimica Acta</i> , 2001 , 436, 69-77	6.6	19
133	Differential Pulse Polarographic Analysis of Chlorpyrifos Insecticide. <i>Electroanalysis</i> , 1998 , 10, 784-786	3	18
132	Ligand influence on the electrochemical behavior of some copper(II) thiosemicarbazone complexes. <i>Transition Metal Chemistry</i> , 2005 , 30, 464-470	2.1	17
131	Spectroelectrochemistry of nickel(II) complexes of N,N'-bis(salicylaldehyde)- β -phenylenediamine and N,N-bis(2-hydroxy-1-naphthaldehyde)- β -phenylenediamine using an optically transparent thin-layer electrode. <i>Analyst, The</i> , 1994 , 119, 327-331	5	17
130	Pediatric glioblastoma target-specific efficient delivery of gemcitabine across the blood-brain barrier via carbon nitride dots. <i>Nanoscale</i> , 2020 , 12, 7927-7938	7.7	16

129	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	6.2	16
128	Ultrasensitive and rapid detection of E-conglutin combining aptamers and isothermal recombinase polymerase amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 143-149	4.4	16
127	Removal of organic pollutants from aqueous solution. V. Comparative study of the extraction, recovery and chromatographic separation of some organic insecticides using unloaded polyurethane foam columns. <i>Journal of Chromatography A</i> , 1991 , 552, 371-9	4.5	16
126	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	8.5	16
125	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	3.2	15
124	Mechanisms of silver nanoparticle toxicity to the coastal marine diatom <i>Chaetoceros curvisetus</i> . <i>Scientific Reports</i> , 2017 , 7, 10777	4.9	15
123	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, 179-92	4.5	15
122	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	6.6	15
121	Kinetics and retention characteristics of some nitrophenols onto polyurethane foams. <i>Analytica Chimica Acta</i> , 2003 , 487, 249-259	6.6	15
120	Preconcentration and separation of acaricides by polyether based polyurethane foam. <i>Analytica Chimica Acta</i> , 1996 , 320, 277-287	6.6	15
119	Iodometric determination of gold and platinum by 168- and 126-fold chemical amplification reactions. <i>Analytica Chimica Acta</i> , 1995 , 307, 139-144	6.6	15
118	Chromium(III) complexes with sugars. <i>Inorganica Chimica Acta</i> , 1986 , 124, L25-L26	2.7	15
117	Duplex PCR-ELONA for the detection of pork adulteration in meat products. <i>Food Chemistry</i> , 2019 , 287, 354-362	8.5	14
116	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	10.2	14
115	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	6.6	14
114	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		14
113	Aptatope mapping of the binding site of a progesterone aptamer on the steroid ring structure. <i>Analytical Biochemistry</i> , 2017 , 531, 8-11	3.1	13
112	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		13

111	Determination of the pesticide Chlorpyrifos by cathodic adsorptive stripping voltammetry. <i>Fresenius Journal of Analytical Chemistry</i> , 1998 , 362, 344-347		13
110	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	6.3	12
109	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, 736-42	4.4	12
108	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	4.8	12
107	Alpha-L-Fucosidase Immunoassay for Early Detection of Hepatocellular Carcinoma. <i>Analytical Chemistry</i> , 2017 , 89, 9459-9466	7.8	12
106	Detection of silver nanoparticles in seawater at ppb levels using UV-visible spectrophotometry with long path cells. <i>Talanta</i> , 2017 , 164, 257-260	6.2	12
105	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	6.3	12
104	Spectrofluorimetric method for measuring the activity of the enzyme alpha-L-fucosidase using the ion associate of 2-chloro-4-nitro phenol-rhodamine-B. <i>Talanta</i> , 2009 , 80, 19-23	6.2	12
103	Detection and semiquantitative determination of bismuth(III) in water on immobilized and plasticized polyurethane foams with some chromogenic reagents. <i>Talanta</i> , 1997 , 44, 483-9	6.2	12
102	Differential pulse voltammetric determination of the dopaminergic agonist bromocriptine at glassy carbon electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 195-8	3.5	12
101	Retention and separation of some organic water pollutants with unloaded and tri-n-octylamine loaded polyester-based polyurethane foams. <i>Talanta</i> , 1994 , 41, 1481-8	6.2	12
100	Collection and separation of some organic insecticides on polyurethane foam columns. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1986 , 324, 59-60		12
99	Qualitative and semi-quantitative determination of chromium(VI) in aqueous solution using 1,5-diphenylcarbazide-loaded foam. <i>Analyt. Chem.</i> , 1981 , 106, 809	5	12
98	Gold nanoparticle aptamer assay for the determination of histamine in foodstuffs. <i>Mikrochimica Acta</i> , 2020 , 187, 452	5.8	12
97	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, 587-92	6.2	11
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	1.7	11
95	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	3	11
94	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	6.6	11

93	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	4.5	11
92	Tyrosinase enzyme Langmuir monolayer: Surface chemistry and spectroscopic study. <i>Journal of Colloid and Interface Science</i> , 2020 , 564, 254-263	9.3	11
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	3.7	11
90	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	3.7	11
89	<i>Yersinia pestis</i> detection using biotinylated dNTPs for signal enhancement in lateral flow assays. <i>Analytica Chimica Acta</i> , 2020 , 1112, 54-61	6.6	11
88	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	6.6	10
87	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, 513-7	3.7	10
86	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	6.6	10
85	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	2	10
84	One-Pot SELEX: Identification of Specific Aptamers against Diverse Steroid Targets in One Selection. <i>ACS Omega</i> , 2019 , 4, 20188-20196	3.9	10
83	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	6	9
82	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	4.8	9
81	A Highly Structured 1,10-Phenanthroline Arrayed Hydrophobic Sulfone Membrane Platform for the Rapid Determination and Speciation of Fe/Fe Ions in Water. <i>Analytical Sciences</i> , 2017 , 33, 511-517	1.7	9
80	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	1.8	9
79	Preconcentration and Separation of Phenols from Water by Polyurethane Foams. <i>Separation Science and Technology</i> , 1994 , 29, 289-299	2.5	9
78	Flow-injection extraction-spectrophotometric determination of manganese(VII) with benzyltributylammonium cations. <i>Analytica Chimica Acta</i> , 1992 , 270, 213-215	6.6	9
77	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		9
76	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	4.8	9

75	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	3.2	8
74	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		8
73	Iodometric microgram determination of Mn(II) in aqueous media by an indirect chemical amplification reaction. <i>Talanta</i> , 1989 , 36, 783-5	6.2	8
72	Biogenic Amines Formation Mechanism and Determination Strategies: Future Challenges and Limitations. <i>Critical Reviews in Analytical Chemistry</i> , 2020 , 50, 485-500	5.2	8
71	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	4.4	8
70	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	6	7
69	Separation of Y from Sr by zirconium vanadate gel ion-exchanger sorbent: kinetics and thermodynamic study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 295, 15-22	1.5	7
68	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 Biomophalaria Alexandrina Snails. <i>Comptes Rendus Chimie</i> , 2012 , 15, 617-626	2.7	7
67	Chemical equilibria and sequential extractive spectrophotometric determination of selenium(IV) and (VI) using the chromogenic reagent 4,4'-dichlorodithizone. <i>International Journal of Environmental Analytical Chemistry</i> , 2006 , 86, 941-954	1.8	7
66	Heavy metal (Ni, Co, Cr and Pb) contamination in liver and skin tissues of lethrinus lentjan fish family: lethrinidae (toelost) from the Arabian Gulf. <i>International Journal of Food Sciences and Nutrition</i> , 1998 , 49, 447-451	3.7	7
65	Chemical amplification methods for the sequential determination of trace amounts of ruthenium by titrimetric and spectrophotometric procedures. <i>Talanta</i> , 1995 , 42, 1641-9	6.2	7
64	Spectrophotometric and Polarographic Studies of Di-2-pyridyl ketone 2-thienoylhydrazone.. <i>Analytical Letters</i> , 1994 , 27, 1907-1919	2.2	7
63	Spectrophotometric Determination of Nickel(II)with Some Schiff Base Ligands.. <i>Analytical Sciences</i> , 1991 , 7, 443-446	1.7	7
62	Chromium(III) complexes of d(-)-tartaric and l(-)-mandelic acids. <i>Transition Metal Chemistry</i> , 1992 , 17, 543-546	6.1	7
61	Phase separation and physical properties of sodium borosilicate glasses with intermediate silica content. <i>Journal Physics D: Applied Physics</i> , 1990 , 23, 1441-1446	3	7
60	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	6	7
59	Application of Error correction spectrophotometry for determination and speciation of bismuth (III) & (V) species in various water samples, soil, hair and drug formulations. <i>Journal of Molecular Liquids</i> , 2017 , 236, 241-248	6	6
58	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	4.8	6

57	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	1.5	6
56	The retention behaviour and separation of some water-soluble organophosphorus insecticides on polyester-based polyurethane foams. <i>Talanta</i> , 1995 , 42, 1471-8	6.2	6
55	Bacterial, nutrients and heavy metal ions pollution assessment along the eastern coastal area of the United Arab Emirates. <i>Journal of Aquatic Ecosystem Health</i> , 1996 , 5, 73-81		6
54	Preconcentration and separation of some organic water pollutants with polyurethane foam and activated carbon. <i>Chromatographia</i> , 1993 , 36, 318-322	2.1	6
53	Thiazolidinone Steroids Impregnated Polyurethane Foams as a Solid Phase Extractant for the Extraction and Preconcentration of Cadmium(II) from Industrial Wastewater. <i>E-Journal of Chemistry</i> , 2011 , 8, 887-895		6
52	Adsorption characteristics of polycyclic aromatic hydrocarbons from non-aqueous media using activated carbon derived from phenol formaldehyde resin: kinetics and thermodynamic study. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 4228-4240	5.1	5
51	Impact and correlation of pKa and dn electrons of some selected thiosemicarbazone Schiff base metal Co, Ni, Cu complexes: a study of electrochemical behavior, excitation and optical energies. <i>New Journal of Chemistry</i> , 2017 , 41, 4853-4861	3.6	5
50	A highly selective electrochemical sensor for trace determination and speciation of antimony (III & V) in water and soil samples using 2-thenoyltrifluoroacetone. <i>Chemical Papers</i> , 2020 , 74, 2917-2927	1.9	5
49	A promazine derivative-oriented chemical sensor for ultra-sensitive chromium determination. <i>New Journal of Chemistry</i> , 2018 , 42, 6498-6506	3.6	5
48	Chemical and thermodynamic characteristics of the isotopic exchange reaction between radioiodine and iodohippuric acid isomers. <i>Analytical Sciences</i> , 2003 , 19, 1331-4	1.7	5
47	Spectrophotometric determination of rhenium as perrhenate by extraction with amiloride hydrochloride. <i>Analytica Chimica Acta</i> , 1996 , 322, 107-109	6.6	5
46	The sorption behaviour and separation of some metal thiocyanate complexes on polyether-based polyurethane foam. <i>Talanta</i> , 1994 , 41, 617-23	6.2	5
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