

# Mojtaba Shamsipur

## List of Publications by Year in descending order

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690  
papers

24,302  
citations

8181

76  
h-index

30922

102  
g-index

692  
all docs

692  
docs citations

692  
times ranked

17093  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersive liquid-liquid microextraction combined with high-performance liquid chromatography-UV detection as a very simple, rapid and sensitive method for the determination of bisphenol A in water samples. <i>Journal of Chromatography A</i> , 2009, 1216, 1511-1514.	3.7	303
2	High-performance pure and Fe <sup>3+</sup> -ion doped ZnS quantum dots as green nanophotocatalysts for the removal of malachite green under UV-light irradiation. <i>Journal of Hazardous Materials</i> , 2013, 250-251, 370-378.	12.4	280
3	Long-wavelength, multicolor, and white-light emitting carbon-based dots: Achievements made, challenges remaining, and applications. <i>Carbon</i> , 2017, 124, 429-472.	10.3	253
4	Highly improved electrooxidation of glucose at a nickel(II) oxide/multi-walled carbon nanotube modified glassy carbon electrode. <i>Bioelectrochemistry</i> , 2010, 77, 120-124.	4.6	228
5	PVC-Based Hexathia-18-crown-6-tetraone Sensor for Mercury(II) Ions. <i>Analytical Chemistry</i> , 1997, 69, 3693-3696.	6.5	201
6	Combination of solid-phase extraction with dispersive liquid-liquid microextraction followed by GC-MS for determination of pesticide residues from water, milk, honey and fruit juice. <i>Food Chemistry</i> , 2016, 204, 289-297.	8.2	200
7	A review: Aptamer-based analytical strategies using the nanomaterials for environmental and human monitoring of toxic heavy metals. <i>Talanta</i> , 2017, 174, 619-627.	5.5	169
8	SiO <sub>2</sub> -coated magnetic graphene oxide modified with polypyrrole-polythiophene: A novel and efficient nanocomposite for solid phase extraction of trace amounts of heavy metals. <i>Talanta</i> , 2017, 167, 607-616.	5.5	162
9	Fluorometric Chemosensors. Interaction of Toxic Heavy Metal Ions Pb <sup>II</sup> , Cd <sup>II</sup> , and Hg <sup>II</sup> with Novel Mixed-Donor Phenanthroline-Containing Macrocycles: A Spectrofluorometric, Conductometric, and Crystallographic Studies. <i>Inorganic Chemistry</i> , 2002, 41, 6623-6632.	4.0	151
10	Hemoglobin detection using carbon dots as a fluorescence probe. <i>Biosensors and Bioelectronics</i> , 2015, 71, 470-475.	10.1	151
11	PVC-Based 1,3,5-Trithiane Sensor for Cerium(III) Ions. <i>Analytical Chemistry</i> , 2000, 72, 2391-2394.	6.5	149
12	Solid phase extraction and determination of ultra trace amounts of mercury(II) using octadecyl silica membrane disks modified by hexathia-18-crown-6-tetraone and cold vapour atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1997, 355, 69-74.	5.4	145
13	On-line preconcentration and simultaneous determination of heavy metal ions by inductively coupled plasma-atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 2004, 509, 89-94.	5.4	142
14	Resolving the Multiple Emission Centers in Carbon Dots: From Fluorophore Molecular States to Aromatic Domain States and Carbon-Core States. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4189-4198.	4.6	142
15	Multinuclear NMR study of dibenzo-30-crown-10 complexes with sodium, potassium, and cesium ions in nonaqueous solvents. <i>Journal of the American Chemical Society</i> , 1979, 101, 4051-4055.	13.7	137
16	Recent developments and applications of different sorbents for SPE and SPME from biological samples. <i>Talanta</i> , 2018, 187, 337-347.	5.5	137
17	A novel antibody-antigen based impedimetric immunosensor for low level detection of HER2 in serum samples of breast cancer patients via modification of a gold nanoparticles decorated multiwall carbon nanotube-ionic liquid electrode. <i>Analytica Chimica Acta</i> , 2015, 874, 66-74.	5.4	132
18	Development of a highly selective voltammetric sensor for nanomolar detection of mercury ions using glassy carbon electrode modified with a novel ion imprinted polymeric nanobeads and multi-wall carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2013, 693, 16-22.	3.8	127

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19	Solid-Phase Extraction of Ultratrace Uranium(VI) in Natural Waters Using Octadecyl Silica Membrane Disks Modified by Tri-n-octylphosphine Oxide and Its Spectrophotometric Determination with Dibenzoylmethane. <i>Analytical Chemistry</i> , 1999, 71, 4892-4895.	6.5	123
20	A Schiff Base Complex of Zn(II) as a Neutral Carrier for Highly Selective PVC Membrane Sensors for the Sulfate Ion. <i>Analytical Chemistry</i> , 2001, 73, 2869-2874.	6.5	123
21	Mercury(II) Ion-Selective Electrode Based on Dibenzo-diazathia-18-crown-6-dione. <i>Electroanalysis</i> , 1999, 11, 81-84.	2.9	121
22	Selective determination of ultra trace amounts of gold by graphite furnace atomic absorption spectrometry after dispersive liquid-liquid microextraction. <i>Talanta</i> , 2008, 75, 294-300.	5.5	120
23	First Anionic 1,10-Phenanthroline-2,9-dicarboxylate Containing Metal Complex Obtained from a Novel 1:1 Proton Transfer Compound: A Synthesis, Characterization, Crystal Structure, and Solution Studies. <i>Inorganic Chemistry</i> , 2003, 42, 1616-1624.	4.0	114
24	Genetic Algorithm Applied to the Selection of Factors in Principal Component-Artificial Neural Networks: Application to QSAR Study of Calcium Channel Antagonist Activity of 1,4-Dihydropyridines (Nifedipine Analogous). <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1328-1334.	2.8	112
25	Combined fluorescence spectroscopy and molecular modeling studies on the interaction between harmalol and human serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 67-68, 201-208.	2.8	110
26	Grafting of Ion-Imprinted Polymers on the Surface of Silica Gel Particles through Covalently Surface-Bound Initiators: A Selective Sorbent for Uranyl Ion. <i>Analytical Chemistry</i> , 2007, 79, 7116-7123.	6.5	108
27	Study of photocatalytic activity of ZnS quantum dots as efficient nanoparticles for removal of methyl violet: Effect of ferric ion doping. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 260-267.	3.9	108
28	Synthesis of biocompatible and highly photoluminescent nitrogen doped carbon dots from lime: Analytical applications and optimization using response surface methodology. <i>Materials Science and Engineering C</i> , 2015, 47, 325-332.	7.3	107
29	Recent advances in liquid-phase microextraction techniques for the analysis of environmental pollutants. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 97, 83-95.	11.4	105
30	Facile preparation and characterization of new green emitting carbon dots for sensitive and selective off/on detection of Fe <sup>3+</sup> ion and ascorbic acid in water and urine samples and intracellular imaging in living cells. <i>Talanta</i> , 2018, 183, 122-130.	5.5	105
31	Silver(I)-selective membrane electrode based on hexathia-18-crown-6. <i>Analytica Chimica Acta</i> , 1999, 381, 111-116.	5.4	104
32	Selective spectrofluorimetric determination of sulfide ion using manganese doped ZnS quantum dots as luminescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 107, 256-262.	3.9	101
33	Lanthanum(III) PVC Membrane Electrodes Based on 1,3,5-Trithiacyclohexane. <i>Analytical Chemistry</i> , 2002, 74, 5538-5543.	6.5	100
34	An electrochemical immunosensor for detection of a breast cancer biomarker based on antiHER2-iron oxide nanoparticle bioconjugates. <i>Analyst</i> , 2014, 139, 2858-2866.	3.5	100
35	A high sensitive electrochemical aptasensor for the determination of VEGF165 in serum of lung cancer patient. <i>Biosensors and Bioelectronics</i> , 2015, 74, 764-769.	10.1	99
36	Cyclic voltammetric, computational, and quantitative structure-electrochemistry relationship studies of the reduction of several 9,10-anthraquinone derivatives. <i>Journal of Electroanalytical Chemistry</i> , 2007, 600, 345-358.	3.8	98

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37	Lead-Selective Membrane Electrode Based on Dibenzopyridino-18-Crown-6. <i>Analytical Letters</i> , 1996, 29, 2269-2279.	1.8	96
38	Ant colony optimisation: a powerful tool for wavelength selection. <i>Journal of Chemometrics</i> , 2006, 20, 146-157.	1.3	96
39	Novel gadolinium poly(vinyl chloride) membrane sensor based on a new Schiff's base. <i>Analytica Chimica Acta</i> , 2003, 495, 51-59.	5.4	95
40	Synthesis and characterizations of ultra-small ZnS and Zn(1-x)FexS quantum dots in aqueous media and spectroscopic study of their interactions with bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 361-369.	3.9	95
41	Pure zinc sulfide quantum dot as highly selective luminescent probe for determination of hazardous cyanide ion. <i>Materials Science and Engineering C</i> , 2014, 36, 139-145.	7.3	94
42	Electrocatalytic Reduction of Dioxygen at the Surface of Glassy Carbon Electrodes Modified by Some Anthraquinone Substituted Podands. <i>Electroanalysis</i> , 1999, 11, 114-119.	2.9	92
43	QSAR study of the calcium channel antagonist activity of some recently synthesized dihydropyridine derivatives. An application of genetic algorithm for variable selection in MLR and PLS methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2002, 64, 91-99.	3.5	92
44	Novel terbium(III) sensor based on a new bis-pyrrolidene Schiff's base. <i>Sensors and Actuators B: Chemical</i> , 2005, 105, 334-339.	7.8	91
45	Sonochemical-assisted synthesis of nano-structured lead dioxide. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 448-455.	8.2	91
46	Detection of Early Stage Apoptotic Cells Based on Label-Free Cytochrome c Assay Using Bioconjugated Metal Nanoclusters as Fluorescent Probes. <i>Analytical Chemistry</i> , 2016, 88, 2188-2197.	6.5	91
47	A sandwich-type electrochemical immunosensor based on in situ silver deposition for determination of serum level of HER2 in breast cancer patients. <i>Biosensors and Bioelectronics</i> , 2018, 103, 54-61.	10.1	91
48	Lead ion selective PVC membrane electrode based on 5,5-dithiobis-(2-nitrobenzoic acid). <i>Talanta</i> , 1998, 46, 1341-1346.	5.5	90
49	Differential pulse anodic stripping voltammetric determination of lead(II) with a 1,4-bis(prop-2-enyloxy)-9,10-anthraquinone modified carbon paste electrode. <i>Talanta</i> , 2001, 55, 305-312.	5.5	90
50	Highly selective thiocyanate poly(vinyl chloride) membrane electrode based on a cadmium-Schiff's base complex. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 370, 1091-1095.	1.5	90
51	Speciation of As(III) and As(V) in water samples by graphite furnace atomic absorption spectrometry after solid phase extraction combined with dispersive liquid-liquid microextraction based on the solidification of floating organic drop. <i>Talanta</i> , 2014, 130, 26-32.	5.5	90
52	Highly sensitive label free electrochemical detection of VEGF165 tumor marker based on "signal off" and "signal on" strategies using an anti-VEGF165 aptamer immobilized BSA-gold nanoclusters/ionic liquid/glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2015, 74, 369-375.	10.1	90
53	Liquid-phase microextraction of organophosphorus pesticides using supramolecular solvent as a carrier for ferrofluid. <i>Talanta</i> , 2016, 160, 340-346.	5.5	90
54	Beryllium-Selective Membrane Electrode Based on Benzo-9-crown-3. <i>Analytical Chemistry</i> , 1998, 70, 5259-5263.	6.5	89

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55	Rapid extraction and determination of amphetamines in human urine samples using dispersive liquid-liquid microextraction and solidification of floating organic drop followed by high performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 94, 145-151.	2.8	89
56	Highly selective and sensitive copper(II) membrane coated graphite electrode based on a recently synthesized Schiff's base. <i>Analytica Chimica Acta</i> , 2001, 440, 81-87.	5.4	88
57	<sup>1</sup> H nuclear magnetic resonance spectroscopy analysis for simultaneous determination of levodopa, carbidopa and methyl dopa in human serum and pharmaceutical formulations. <i>Analytica Chimica Acta</i> , 2004, 506, 97-104.	5.4	86
58	Efficient On-Off Ratiometric Fluorescence Probe for Cyanide Ion Based on Perturbation of the Interaction between Gold Nanoclusters and a Copper(II)-Phthalocyanine Complex. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15177-15186.	8.0	86
59	HIV biosensors for early diagnosis of infection: The intertwine of nanotechnology with sensing strategies. <i>Talanta</i> , 2020, 206, 120201.	5.5	86
60	A selective optode membrane for silver ion based on fluorescence quenching of the dansylamidopropyl pendant arm derivative of 1-aza-4,7,10-trithiacyclododecane ([12]aneNS3). <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 892-899.	7.8	85
61	Fluorescent pH nanosensors: Design strategies and applications. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 39, 76-141.	11.6	85
62	Novel fluorimetric bulk optode membrane based on a dansylamidopropyl pendant arm derivative of 1-aza-4,10-dithia-7-oxacyclododecane ([12]aneNS2O) for selective subnanomolar detection of Hg(II) ions. <i>Analytica Chimica Acta</i> , 2005, 533, 17-24.	5.4	84
63	A stoichiometric imprinted chelating resin for selective recognition of copper(II) ions in aqueous media. <i>Analytica Chimica Acta</i> , 2007, 599, 294-301.	5.4	84
64	Zinc-selective membrane potentiometric sensor based on a recently synthesized benzo-substituted macrocyclic diamide. <i>Sensors and Actuators B: Chemical</i> , 1999, 59, 30-34.	7.8	82
65	Pure and Fe <sup>3+</sup> -doped ZnS quantum dots as novel and efficient nanophotocatalysts: Synthesis, characterization and use for decolorization of Victoria blue R. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1154-1161.	4.0	82
66	A new label free colorimetric chemosensor for detection of mercury ion with tunable dynamic range using carbon nanodots as enzyme mimics. <i>Chemical Engineering Journal</i> , 2014, 255, 1-7.	12.7	82
67	A high sensitive visible light-driven photoelectrochemical aptasensor for shrimp allergen tropomyosin detection using graphitic carbon nitride-TiO <sub>2</sub> nanocomposite. <i>Biosensors and Bioelectronics</i> , 2017, 98, 113-118.	10.1	82
68	Lead Ion-Selective Electrode Based on 4-Vinylbenzo-15-crown-5 Homopolymer. <i>Microchemical Journal</i> , 1998, 60, 122-133.	4.5	81
69	Copper(II)-selective membrane electrodes based on some recently synthesized mixed aza-thioether crowns containing a 1,10-phenanthroline sub-unit. <i>Talanta</i> , 2001, 55, 1047-1054.	5.5	81
70	Thermodynamic study of the binding of hexathia-18-crown-6-tetraone with some transition and heavy metal ions in dimethyl sulfoxide solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 1959-1962.	1.7	80
71	Cadmium ion-selective electrode based on tetrathia-12-crown-4. <i>Talanta</i> , 2001, 53, 1065-1071.	5.5	80
72	Crystal Structures and Solution Studies of Two Novel Zinc(II) Complexes of a Proton Transfer Compound Obtained from 2, 6-Pyridinedicarboxylic Acid and 1, 10-Phenanthroline: Observation of Strong Intermolecular Hydrogen Bonds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 160-169.	1.2	79

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73	Sodium-23, cesium-133 and thallium-205 NMR study of sodium, cesium and thallium complexes with large crown ethers in nonaqueous solutions. <i>Journal of Solution Chemistry</i> , 1980, 9, 701-714.	1.2	78
74	Ytterbium(III)-selective membrane electrode based on cefixime. <i>Analytica Chimica Acta</i> , 2003, 475, 59-66.	5.4	78
75	Extraction and determination of opium alkaloids in urine samples using dispersive liquid-liquid microextraction followed by high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2978-2983.	2.3	78
76	Copper(II)-selective membrane electrode based on a recently synthesized naphthol-derivative Schiff's base. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 365, 511-515.	1.5	77
77	On-line flow injection solid phase extraction using imprinted polymeric nanobeads for the preconcentration and determination of mercury ions. <i>Chemical Engineering Journal</i> , 2015, 259, 330-337.	12.7	77
78	Highly Selective Iodide Membrane Electrode Based on a Cerium Salen. <i>Analytical Sciences</i> , 2002, 18, 289-292.	1.6	76
79	Metal-ion-mediated fluorescent carbon dots for indirect detection of sulfide ions. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 289-297.	7.8	76
80	Novel Gadolinium PVC-Based Membrane Sensor Based on Omeprazole as an Antibiotic. <i>Electroanalysis</i> , 2003, 15, 1038-1042.	2.9	75
81	Novel Potentiometric PVC-Membrane and Coated Graphite Sensors for Lanthanum(III). <i>Electroanalysis</i> , 2004, 16, 1002-1008.	2.9	75
82	Synthesis and characterization of novel ion-imprinted polymeric nanoparticles for very fast and highly selective recognition of copper(II) ions. <i>Talanta</i> , 2010, 83, 674-681.	5.5	75
83	Synthesis of a novel nanostructured ion-imprinted polymer for very fast and highly selective recognition of copper(II) ions in aqueous media. <i>Reactive and Functional Polymers</i> , 2011, 71, 131-139.	4.1	75
84	Lead ion-selective membrane electrodes based on some recently synthesized 9,10-anthraquinone derivatives. <i>Analytica Chimica Acta</i> , 1998, 360, 203-208.	5.4	74
85	Cadmium(II)-selective membrane electrode based on a synthesized tetrol compound. <i>Analytica Chimica Acta</i> , 2000, 408, 75-81.	5.4	74
86	Highly selective detection of dopamine in the presence of ascorbic acid and uric acid using thioglycolic acid capped CdTe quantum dots modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 712, 19-24.	3.8	74
87	Advances in the design of nanomaterial-based electrochemical affinity and enzymatic biosensors for metabolic biomarkers: A review. <i>Mikrochimica Acta</i> , 2018, 185, 276.	5.0	74
88	PVC-BASED 1,3,5-TRITHIANE COATED GRAPHITE ELECTRODE FOR DETERMINATION OF CERIUM(III) IONS. <i>Analytical Letters</i> , 2001, 34, 2249-2261.	1.8	72
89	Facile synthesis of zinc carbonate and zinc oxide nanoparticles via direct carbonation and thermal decomposition. <i>Ceramics International</i> , 2013, 39, 819-827.	4.8	72
90	A label-free electrochemical DNA biosensor based on covalent immobilization of salmonella DNA sequences on the nanoporous glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2015, 69, 100-105.	10.1	72

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91	Development of a new fluorimetric bulk optode membrane based on 2,5-thiophenylbis(5-tert-butyl-1,3-benzoxazole) for nickel(II) ions. <i>Analytica Chimica Acta</i> , 2004, 501, 55-60.	5.4	71
92	Thiocyanate-Selective Membrane Electrode Based on (Octabromotetraphenylporphyrinato)manganese(III) Chloride. <i>Electroanalysis</i> , 1999, 11, 1340-1344.	2.9	70
93	Flame photometric determination of cesium ion after its preconcentration with nanoparticles imprinted with the cesium-dibenzo-24-crown-8 complex. <i>Mikrochimica Acta</i> , 2013, 180, 243-252.	5.0	70
94	Determination of Hg <sup>2+</sup> and Cu <sup>2+</sup> ions by dual-emissive Ag/Au nanocluster/carbon dots nanohybrids: Switching the selectivity by pH adjustment. <i>Journal of Hazardous Materials</i> , 2019, 367, 437-446.	12.4	70
95	Copper(II)-Selective Membrane Electrode Based on a Recently Synthesized Macrocyclic Diamide. <i>Microchemical Journal</i> , 1999, 63, 202-210.	4.5	69
96	Novel Ag <sup>+</sup> ion-selective electrodes based on two new mixed azathioether crowns containing a 1,10-phenanthroline sub-unit. <i>Analytica Chimica Acta</i> , 2002, 462, 225-234.	5.4	68
97	Solubilities of Some 1,4-Dihydroxy-9,10-anthraquinone Derivatives in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , 1998, 43, 400-402.	1.9	67
98	Strontium-Selective Membrane Electrodes Based on Some Recently Synthesized Benzo-Substituted Macrocyclic Diamides. <i>Analytical Chemistry</i> , 1999, 71, 4938-4943.	6.5	67
99	Triiodide PVC Membrane Electrode Based on a Charge-Transfer Complex of Iodine with 2,4,6,8-Tetraphenyl-2,4,6,8-tetraazabicyclo[3.3.0]octane. <i>Analytical Chemistry</i> , 1999, 71, 1350-1353.	6.5	67
100	Preparation of a diclofenac potentiometric sensor and its application to pharmaceutical analysis and to drug recovery from biological fluids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 943-947.	2.8	67
101	Carbon dots with strong excitation-dependent fluorescence changes towards pH. Application as nanosensors for a broad range of pH. <i>Analytica Chimica Acta</i> , 2016, 931, 25-33.	5.4	65
102	Functionalized layered double hydroxide with nitrogen and sulfur co-decorated carbondots for highly selective and efficient removal of soft Hg <sup>2+</sup> and Ag <sup>+</sup> ions. <i>Journal of Hazardous Materials</i> , 2018, 357, 217-225.	12.4	65
103	A highly selective voltammetric sensor for sub-nanomolar detection of lead ions using a carbon paste electrode impregnated with novel ion imprinted polymeric nanobeads. <i>Electrochimica Acta</i> , 2014, 118, 92-99.	5.2	64
104	The Synthesis of a New Thiophene-Derivative Schiff's Base and Its Use in Preparation of Copper-Ion Selective Electrodes. <i>Electroanalysis</i> , 2001, 13, 1513-1517.	2.9	62
105	Preconcentration and determination of ultra trace amounts of palladium in water samples by dispersive liquid-liquid microextraction and graphite furnace atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2009, 166, 235-242.	5.0	62
106	Amprometric detection of Glycine, L-Serine, and L-Alanine using glassy carbon electrode modified by NiO nanoparticles. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 1005-1011.	2.9	62
107	Ion imprinted polymeric nanoparticles for selective separation and sensitive determination of zinc ions in different matrices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 24-33.	3.9	62
108	An overview of nanoscale radionuclides and radiolabeled nanomaterials commonly used for nuclear molecular imaging and therapeutic functions. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 251-285.	4.0	62

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109	Complex formation of silver, thallium and alkali cations with dibenzo-30-crown-10 in some non-aqueous solutions. <i>Inorganica Chimica Acta</i> , 1991, 183, 65-69.	2.4	61
110	Iodide-selective carbon paste electrodes based on recently synthesized Schiff base complexes of Fe(III). <i>Analytica Chimica Acta</i> , 2001, 450, 37-44.	5.4	61
111	A novel quantum dot-laccase hybrid nanobiosensor for low level determination of dopamine. <i>Analyst</i> , 2012, 137, 5553.	3.5	61
112	Development of a selective and sensitive voltammetric sensor for propylparaben based on a nanosized molecularly imprinted polymer-carbon paste electrode. <i>Materials Science and Engineering C</i> , 2014, 36, 102-107.	7.3	61
113	A highly selective voltammetric sensor for nanomolar detection of mercury ions using a carbon ionic liquid paste electrode impregnated with novel ion imprinted polymeric nanobeads. <i>Materials Science and Engineering C</i> , 2015, 48, 205-212.	7.3	61
114	Fluorescence sensing and imaging with carbon-based quantum dots for early diagnosis of cancer: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 212, 114628.	2.8	61
115	Recent advances in design of electrochemical affinity biosensors for low level detection of cancer protein biomarkers using nanomaterial-assisted signal enhancement strategies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 185-210.	2.8	60
116	Impedance studies of a nano-structured conducting polymer and its application to the design of reliable scaffolds for impedimetric biosensors. <i>Biosensors and Bioelectronics</i> , 2008, 24, 104-110.	10.1	59
117	Dispersive liquid-liquid microextraction followed by high-performance liquid chromatography-ultraviolet detection to determination of opium alkaloids in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 14-20.	2.8	59
118	One-step synthesis and characterization of highly luminescent nitrogen and phosphorus co-doped carbon dots and their application as highly selective and sensitive nanoprobe for low level detection of uranyl ion in hair and water samples and application to cellular imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 772-782.	7.8	59
119	Cobalt oxide nanoparticles as a novel high-efficiency fiber coating for solid phase microextraction of benzene, toluene, ethylbenzene and xylene from aqueous solutions. <i>Analytica Chimica Acta</i> , 2014, 822, 30-36.	5.4	58
120	Complex formation of alkaline earth cations with benzo-15-crown-5 and some 18-crowns in methanol, dimethylformamide and dimethyl sulfoxide solutions. <i>Inorganica Chimica Acta</i> , 1989, 155, 203-206.	2.4	57
121	Specific uphill transport of Cd <sup>2+</sup> ion by a cooperative carrier composed of aza-18-crown-6 and palmitic acid. <i>Journal of Membrane Science</i> , 1996, 117, 221-226.	8.2	57
122	Polymeric membrane and coated graphite samarium(III)-selective electrodes based on isopropyl 2-[(isopropoxycarbothiyl)disulfanyl]ethanethioate. <i>Analytica Chimica Acta</i> , 2003, 486, 93-99.	5.4	57
123	A Novel Proton Transfer Self-Associated Compound from Dipicolinic Acid and Guanidine and Its Cadmium(II) Complex: Synthesis, Characterization, Crystal Structure, and Solution Studies. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 617-624.	1.2	57
124	Analytical characteristics and application of novel chitosan coated magnetic nanoparticles as an efficient drug delivery system for ciprofloxacin. Enhanced drug release kinetics by low-frequency ultrasounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 450-457.	2.8	57
125	N-Nitrosation of Secondary Amines with [NO <sup>+</sup> -Crown-H(NO <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of Organic Chemistry</i> , 2001, 66, 3619-3620.	3.2	56
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132	Lead-Selective Membrane Potentiometric Sensor Based on an 18-Membered Thiocrown Derivative.. <i>Analytical Sciences</i> , 2001, 17, 935-938.	1.6	55
133	Imprinted polymer particles for selenium uptake: Synthesis, characterization and analytical applications. <i>Analytica Chimica Acta</i> , 2007, 581, 208-213.	5.4	55
134	A novel approach for rapid determination of vitamin B12 in pharmaceutical preparations using BSA-modified gold nanoclusters. <i>Analytical Methods</i> , 2012, 4, 4155.	2.7	55
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147	Study of the interaction between human serum albumin and Mn-doped ZnS quantum dots. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1729-1738.	2.2	51
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158	Quantification of candidate prostate cancer metabolite biomarkers in urine using dispersive derivatization liquid-liquid microextraction followed by gas and liquid chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 81-82, 65-75.	2.8	49
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174	A supported liquid membrane system for simultaneous separation of silver(I) and mercury(II) from dilute feed solutions. <i>Journal of Membrane Science</i> , 2006, 282, 322-327.	8.2	46
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176	Novel approach for electrochemical preparation of sulfur nanoparticles. <i>Mikrochimica Acta</i> , 2011, 173, 445-451.	5.0	46
177	Effect of functional group on thermal stability of cellulose derivative energetic polymers. <i>Fuel</i> , 2012, 95, 394-399.	6.4	46
178	A novel impedimetric nanobiosensor for low level determination of hydrogen peroxide based on biocatalysis of catalase. <i>Bioelectrochemistry</i> , 2012, 83, 31-37.	4.6	46
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184	Quantitative structure–property relationship study of acidity constants of some 9,10-anthraquinone derivatives using multiple linear regression and partial least-squares procedures. <i>Talanta</i> , 2001, 54, 1113-1120.	5.5	45
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206	Spectrophotometric determination of acidity constants of some anthraquinones and anthrones in methanol-water mixtures. <i>Talanta</i> , 1993, 40, 697-699.	5.5	42
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218	Novel Liquid Membrane Electrode for Selective Determination of Monohydrogenphosphate. <i>Electroanalysis</i> , 2003, 15, 139-144.	2.9	40
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221	Solid phase extraction and determination of sub-ppb levels of hazardous Hg <sup>2+</sup> ions. <i>Journal of Hazardous Materials</i> , 2005, 117, 129-133.	12.4	40
222	Al(III)-selective electrode based on newly synthesized xanthone derivative as neutral ionophore. <i>Analytica Chimica Acta</i> , 2006, 555, 329-335.	5.4	40
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237	Recent advances in designing nanomaterial based biointerfaces for electrochemical biosensing cardiovascular biomarkers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 344-376.	2.8	37
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