

Abbas Afkhami

List of Publications by Year in descending order

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Version: 2024-02-01

354
papers

14,765
citations

17405

63
h-index

32761

100
g-index

361
all docs

361
docs citations

361
times ranked

13244
citing authors

#	ARTICLE	IF	CITATIONS
1	The short-term association between air pollution and asthma hospitalization: a time-series analysis. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 1153-1167.	1.5	5
2	Development of a needle trap device packed with the Schiff base network-1/single-walled carbon nanotube for sampling phenolic compounds in air. <i>Microchemical Journal</i> , 2022, 172, 106984.	2.3	4
3	Miniaturized bioelectrochemical devices. , 2022, , 89-108.		0
4	Wearable Potentiometric Sensor Based on $\text{Na}_{0.44}\text{MnO}_2$ for Non-invasive Monitoring of Sodium Ions in Sweat. <i>Analytical Chemistry</i> , 2022, 94, 2263-2270.	3.2	16
5	Smartphone-enabled miniaturized analytical devices. , 2022, , 285-306.		0
6	Separation miniaturized instruments. , 2022, , 41-62.		1
7	Miniaturization—An introduction to miniaturized analytical devices. , 2022, , 3-16.		1
8	PVP-coated silver nanocubes as RRS probe for sensitive determination of Haloperidol in real samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 121025.	2.0	7
9	Hydrothermal synthesis of nanocages of Mn-Co Prussian blue analogue and charge storage investigation of the derived Mn-Co oxide@rGO composites. <i>FlatChem</i> , 2022, 32, 100350.	2.8	3
10	Application of Fe_3O_4 @TbBd nanobeads in microextraction by packed sorbent (MEPS) for determination of BTEXs biomarkers by HPLC-UV in urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022, 1197, 123197.	1.2	9
11	Simultaneous determination of B _o NT/A and /E using an electrochemical sandwich immunoassay based on the nanomagnetic immunosensing platform. <i>Chemosphere</i> , 2022, 298, 134358.	4.2	10
12	QSAR analysis on a large and diverse set of potent phosphoinositide 3-kinase gamma (PI3K γ) inhibitors using MLR and ANN methods. <i>Scientific Reports</i> , 2022, 12, 6090.	1.6	9
13	Facile synthesis of magnetic melamine-based covalent organic framework for removal of Amido Black 10B. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	5
14	Ultra-trace levels voltammetric determination of Pb^{2+} in the presence of Bi^{3+} at food samples by a Fe_3O_4 @Schiff base Network1 modified glassy carbon electrode. <i>Talanta</i> , 2022, 250, 123716.	2.9	9
15	Application of magnetic nanomaterials in electroanalytical methods: A review. <i>Talanta</i> , 2021, 225, 121974.	2.9	36
16	Computational study to select the capable anthracycline derivatives through an overview of drug structure-specificity and cancer cell line-specificity. <i>Chemical Papers</i> , 2021, 75, 523-538.	1.0	10
17	Application of magnetic nanomaterials in plasmonic sensors. , 2021, , 249-267.		2
18	Electrochemical sandwich-type immunosensor for the detection of PSA based on a trimetallic AgAuPt nanocomposite synthesized using the galvanic replacement reaction. <i>Analytical Methods</i> , 2021, 13, 3676-3684.	1.3	3

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19	Application of magnetic nanomaterials in magnetic field sensors. , 2021, , 327-345.		1
20	Spectroelectrochemical and electrochromic behavior of poly(methylene blue) and poly(thionine)-modified multi-walled carbon nanotubes. Journal of Solid State Electrochemistry, 2021, 25, 1217-1229.	1.2	12
21	Target -responsive host-guest binding-driven dual-sensing readout for enhanced electrochemical chiral analysis. Analyst, The, 2021, 146, 4865-4872.	1.7	6
22	Graphene oxide nanoribbons/polypyrrole nanocomposite film: Controlled release of leucovorin by electrical stimulation. Electrochimica Acta, 2021, 370, 137806.	2.6	9
23	Phase distribution and risk assessment of PAHs in ambient air of Hamadan, Iran. Ecotoxicology and Environmental Safety, 2021, 209, 111807.	2.9	26
24	Self-assembled graphene-based microfibers with eclectic optical properties. Scientific Reports, 2021, 11, 5451.	1.6	0
25	A new approach for simultaneous calculation of pIC50 and logP through QSAR/QSPR modeling on anthracycline derivatives: a comparable study. Journal of the Iranian Chemical Society, 2021, 18, 2785-2800.	1.2	1
26	Electrochemically controlled solid phase microextraction based on nanostructured polypyrrole film for selective extraction of sunset yellow in food samples. Journal of the Iranian Chemical Society, 2021, 18, 3127-3135.	1.2	7
27	Application of magnetic ion imprinted polymers for simultaneous quantification of Al ³⁺ and Be ²⁺ ions using the mean centering of ratio spectra method. Talanta, 2021, 225, 122003.	2.9	3
28	Magnetic Nanomaterials in Microfluidic Sensors for Virus Detection: A Review. ACS Applied Nano Materials, 2021, 4, 4307-4328.	2.4	31
29	Short-term effect of multi-pollutant air quality indexes and PM _{2.5} on cardiovascular hospitalization in Hamadan, Iran: a time-series analysis. Environmental Science and Pollution Research, 2021, 28, 53653-53667.	2.7	10
30	Computational study on subfamilies of piperidine derivatives: QSAR modelling, model external verification, the inter-subset similarity determination, and structure-based drug designing. SAR and QSAR in Environmental Research, 2021, 32, 433-462.	1.0	4
31	Crystal violet-modified HKUST-1 framework with improved hydrostability as an efficient adsorbent for direct solid-phase microextraction. Mikrochimica Acta, 2021, 188, 305.	2.5	11
32	Development of modified polymer dot as stimuli-sensitive and ⁶⁷ Ga radio-carrier, for investigation of in vitro drug delivery, in vivo imaging and drug release kinetic. Journal of Pharmaceutical and Biomedical Analysis, 2021, 203, 114217.	1.4	6
33	Electropolymerization as an electrochemical preconcentration approach for the determination of melamine in milk samples. Electrochimica Acta, 2021, 390, 138897.	2.6	12
34	Developed electrochemical sensors for the determination of beta-blockers: A comprehensive review. Journal of Electroanalytical Chemistry, 2021, 899, 115666.	1.9	9
35	Synthesize and application of magnetic molecularly imprinted polymers (mag-MIPs) to extract 1-Aminopyrene from the human urine sample. Journal of Environmental Chemical Engineering, 2021, 9, 106253.	3.3	14
36	Flexible electrospun nanofibrous film integrated with fluorescent carbon dots for smartphone-based detection and cellular imaging application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 260, 119944.	2.0	8

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37	Cascade electrochemiluminescence-based integrated graphitic carbon nitride-encapsulated metal-organic framework nanozyme for prostate-specific antigen biosensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130658.	4.0	29
38	Controlled Transdermal Iontophoresis of Insulin from Water-Soluble Polypyrrole Nanoparticles: An In Vitro Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12479.	1.8	12
39	Betulin and its derivatives as novel compounds with different pharmacological effects. <i>Biotechnology Advances</i> , 2020, 38, 107409.	6.0	158
40	Electrochemical biosensors for the detection of lung cancer biomarkers: A review. <i>Talanta</i> , 2020, 206, 120251.	2.9	225
41	A modified carbon paste electrode based on Fe ₃ O ₄ @multi-walled carbon nanotubes@polyacrylonitrile nanofibers for determination of imatinib anticancer drug. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 281-294.	1.5	35
42	In Situ Growth of Metal-Organic Framework HKUST-1 on Graphene Oxide Nanoribbons with High Electrochemical Sensing Performance in Imatinib Determination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4859-4869.	4.0	64
43	Removal and Preconcentration of Pb(II) Heavy Metal Ion from Water and Waste-Water Samples onto Poly (vinyl alcohol)/polyethyleneimine/Fe ₃ O ₄ Microfibers Nanocomposite. <i>Journal of Polymers and the Environment</i> , 2020, 28, 614-623.	2.4	9
44	Ultrasound-assisted dispersive liquid antisolvent precipitation for extraction of polar organic compounds in water. <i>Analytica Chimica Acta</i> , 2020, 1135, 91-98.	2.6	5
45	Well-Orientation Strategy for Direct Immobilization of Antibodies: Development of the Immunosensor Using the Boronic Acid-Modified Magnetic Graphene Nanoribbons for Ultrasensitive Detection of Lymphoma Cancer Cells. <i>Analytical Chemistry</i> , 2020, 92, 11405-11412.	3.2	48
46	Absorbance-based Spectroelectrochemical Sensor for Determination of Ampyra Based on Electrochemical Preconcentration. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128723.	4.0	14
47	A superficial approach for fabricating unique ternary AgI@TiO ₂ /Zr-MOF composites: An excellent interfacial with improved photocatalytic light-responsive under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112717.	2.0	13
48	Smart nanocarriers in glucose transporters-targeted delivery of anticancer drugs. , 2020, , 251-269.		1
49	Stimuli-sensitive drug delivery systems. , 2020, , 37-59.		7
50	Lab in a Tube: Point-of-Care Detection of <i>Escherichia coli</i> . <i>Analytical Chemistry</i> , 2020, 92, 4209-4216.	3.2	50
51	Simultaneous preconcentration and determination of trace quantities of inorganic arsenic species in water using Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ magnetic nanoparticles. <i>Chemical Papers</i> , 2020, 74, 2529-2535.	1.0	7
52	Magnetic molecularly imprinted electrospun nanofibers for selective extraction of nilotinib from human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1629-1637.	1.9	13
53	Nanomaterial-based adsorbents for wastewater treatment. , 2020, , 467-485.		5
54	Ratiometric bioassay and visualization of dopamine β -hydroxylase in brain cells utilizing a nanohybrid fluorescence probe. <i>Analytica Chimica Acta</i> , 2020, 1105, 187-196.	2.6	10

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55	Bioelectrocatalysis and direct determination of H ₂ O ₂ using the high-performance platform: chitosan nanofibers modified with SDS and hemoglobin. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1401-1409.	1.2	6
56	An overview to electrochemical biosensors and sensors for the detection of environmental contaminants. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2429-2447.	1.2	112
57	Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanoparticles-decorated poly (vinyl alcohol) nanofiber as resonance light scattering probe for determination of sunitinib in serum samples. <i>Talanta</i> , 2020, 218, 121190.	2.9	7
58	Developing a Method for Determination of Urinary Delta-Amino-Levulinic Acid using Molecularly Imprinted Polymers. <i>Chemistry and Chemical Technology</i> , 2020, 14, 334-342.	0.2	0
59	Design and Application of a Non-enzymatic Sensor Based on Metal-organic Frameworks for the Simultaneous Determination of Carbofuran and Carbaryl in Fruits and Vegetables. <i>Electroanalysis</i> , 2019, 31, 2455-2465.	1.5	23
60	High-performance electrochemical enzyme sensor for organophosphate pesticide detection using modified metal-organic framework sensing platforms. <i>Bioelectrochemistry</i> , 2019, 130, 107348.	2.4	89
61	Development of Membrane Hollow Fiber for Determination of Maleic Anhydride in Ambient Air as a Field Sampler. <i>Annals of Work Exposures and Health</i> , 2019, 63, 797-805.	0.6	1
62	Ionic liquid-coated magnetic SiO ₂ @Fe ₃ O ₄ nanocomposite for temperature-assisted solid-phase extraction of venlafaxine. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2101-2109.	1.2	4
63	Electrochemical Determination of Sunitinib in Biological Samples Using Polyacrylonitrile Nanofibers/Nickel-Zinc-Ferrite Nanocomposite/Carbon Paste Electrode. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1268-B1275.	1.3	12
64	Colorimetric immunosensor for determination of prostate specific antigen using surface plasmon resonance band of colloidal triangular shape gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117218.	2.0	35
65	Magnetic solid-phase extraction of codeine in a biological sample utilizing Fe ₃ O ₄ /CDs/Lys nanocomposite as an efficient adsorbent. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2111-2121.	1.2	4
66	Reduced graphene oxide decorated on Cu/CuO-Ag nanocomposite as a high-performance material for the construction of a non-enzymatic sensor: Application to the determination of carbaryl and fenamiphos pesticides. <i>Materials Science and Engineering C</i> , 2019, 102, 764-772.	3.8	66
67	The principles of bipolar electrochemistry and its electroanalysis applications. <i>Current Opinion in Electrochemistry</i> , 2019, 17, 30-37.	2.5	50
68	Dual-modality impedimetric immunosensor for early detection of prostate-specific antigen and myoglobin markers based on antibody-molecularly imprinted polymer. <i>Talanta</i> , 2019, 202, 111-122.	2.9	106
69	Enhanced Visual Wireless Electrochemiluminescence Immunosensing of Prostate-Specific Antigen Based on the Luminol Loaded into MIL-53(Fe)-NH ₂ Accelerator and Hydrogen Evolution Reaction Mediation. <i>Analytical Chemistry</i> , 2019, 91, 6383-6390.	3.2	71
70	Enhanced electrochemical responses at supramolecularly modified graphene: Simultaneous determination of sulphasalazine and its metabolite 5-aminosalicylic acid. <i>Journal of Electroanalytical Chemistry</i> , 2019, 838, 186-194.	1.9	16
71	ZnS quantum dots surface-loaded with zinc(II) ions as a viable fluorescent probe for glutathione. <i>Mikrochimica Acta</i> , 2019, 186, 205.	2.5	17
72	Bottom-up and green-synthesis route of amino functionalized graphene quantum dot as a novel biocompatible and label-free fluorescence probe for in vitro cellular imaging of human ACHN cell lines. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 251, 114452.	1.7	24

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73	A novel platform based on graphene nanoribbons/protein capped Au-Cu bimetallic nanoclusters: Application to the sensitive electrochemical determination of bisphenol A. <i>Microchemical Journal</i> , 2019, 145, 242-251.	2.3	54
74	An electrochemical ceruloplasmin aptasensor using a glassy carbon electrode modified by diazonium-functionalized multiwalled carbon nanotubes. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 593-602.	1.2	9
75	Polyethylenimine@Fe ₃ O ₄ @carbon nanotubes nanocomposite as a modifier in glassy carbon electrode for sensitive determination of ciprofloxacin in biological samples. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 281-289.	1.9	58
76	Fabrication of an immunosensor for early and ultrasensitive determination of human tissue plasminogen activator (tPA) in myocardial infraction and breast cancer patients. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3683-3691.	1.9	8
77	A novel and high performance enzyme-less sensing layer for electrochemical detection of methyl parathion based on BSA templated Au@Ag bimetallic nanoclusters. <i>New Journal of Chemistry</i> , 2018, 42, 7213-7222.	1.4	40
78	Ag nanoparticles for determination of bisphenol A by resonance light-scattering technique. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1527-1534.	1.2	7
79	Development of a molecularly imprinted polymer tailored on disposable screen-printed electrodes for dual detection of EGFR and VEGF using nano-liposomal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 107, 26-33.	5.3	83
80	Development and Application of Graphene Oxide/Poly-Amidoamines Dendrimers (GO/PAMAMs) Nano-Composite for Nitrate Removal from Aqueous Solutions. <i>Environmental Processes</i> , 2018, 5, 41-64.	1.7	12
81	Application of polyacrylonitrile nanofibers decorated with magnetic carbon dots as a resonance light scattering sensor to determine famotidine. <i>Talanta</i> , 2018, 181, 286-295.	2.9	22
82	Highly sensitive simultaneous quantification of buprenorphine and norbuprenorphine in human plasma by magnetic solid-phase extraction based on PpPDA/Fe ₃ O ₄ nanocomposite and high-performance liquid chromatography. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 575-585.	1.2	5
83	Electrochemical sensor based on gold nanoparticle-multiwall carbon nanotube nanocomposite for the sensitive determination of docetaxel as an anticancer drug. <i>Ionics</i> , 2018, 24, 3209-3219.	1.2	26
84	Isolation and identification of new strains of crude oil degrading bacteria from Kharg Island, Iran. <i>Petroleum Science and Technology</i> , 2018, 36, 869-874.	0.7	6
85	Magnetic solid phase extraction of rizatriptan in human urine samples prior to its spectrofluorimetric determination. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 1225-1233.	4.0	25
86	Construction of a novel "Off-On" fluorescence sensor for highly selective sensing of selenite based on europium ions induced crosslinking of nitrogen-doped carbon dots. <i>Journal of Luminescence</i> , 2018, 194, 768-777.	1.5	32
87	Selective determination of mandelic acid in urine using molecularly imprinted polymer in microextraction by packed sorbent. <i>Archives of Toxicology</i> , 2018, 92, 213-222.	1.9	26
88	Preparation and characterization of ⁵⁶ Fe ₂ O ₃ nanoparticles and investigation of its adsorption performance for sulfide, sulfite and thiosulfate from aqueous solutions using ultrasonic assisted method: Modeling and optimization. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 1049-1058.	3.8	6
89	Graphene nanoribbon/FePt bimetallic nanoparticles/uric acid as a novel magnetic sensing layer of screen printed electrode for sensitive determination of ampyra. <i>Talanta</i> , 2018, 176, 350-359.	2.9	42
90	Preparation of polyacrylonitrile nanofibers decorated by N-doped carbon quantum dots: application as a fluorescence probe for determination of Cr(VI). <i>New Journal of Chemistry</i> , 2018, 42, 18765-18772.	1.4	6

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91	Voltammetric determination of 4-nitrophenol using a glassy carbon electrode modified with a gold-ZnO-SiO ₂ nanostructure. <i>Mikrochimica Acta</i> , 2018, 185, 296.	2.5	60
92	Reduced graphene oxide as an efficient sorbent in microextraction by packed sorbent: Determination of local anesthetics in human plasma and saliva samples utilizing liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1095, 177-182.	1.2	14
93	New portable smartphone-based PDMS microfluidic kit for the simultaneous colorimetric detection of arsenic and mercury. <i>RSC Advances</i> , 2018, 8, 27091-27100.	1.7	43
94	Modified 3D Graphene-Au as a Novel Sensing Layer for Direct and Sensitive Electrochemical Determination of Carbaryl Pesticide in Fruit, Vegetable, and Water Samples. <i>Food Analytical Methods</i> , 2018, 11, 3005-3014.	1.3	70
95	Green and cost-effective synthesis of carbon dots from date kernel and their application as a novel switchable fluorescence probe for sensitive assay of Zoledronic acid drug in human serum and cellular imaging. <i>Analytica Chimica Acta</i> , 2018, 1030, 183-193.	2.6	86
96	Protein templated Au-Pt nanoclusters-graphene nanoribbons as a high performance sensing layer for the electrochemical determination of diazinon. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 180-189.	4.0	60
97	Application of nickel zinc ferrite/graphene nanocomposite as a modifier for fabrication of a sensitive electrochemical sensor for determination of omeprazole in real samples. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 1-8.	5.0	36
98	Highly fluorescent nitrogen-doped graphene quantum dots as a green, economical and facile sensor for the determination of sunitinib in real samples. <i>New Journal of Chemistry</i> , 2017, 41, 6875-6882.	1.4	35
99	Turn-off fluorescence of amino-functionalized carbon quantum dots as effective fluorescent probes for determination of isotretinoin. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 428-435.	4.0	61
100	Total sulfur determination in liquid fuels by ICP-OES after oxidation-extraction desulfurization using magnetic graphene oxide. <i>Fuel</i> , 2017, 210, 507-513.	3.4	20
101	Fabrication of a novel aptasensor based on three-dimensional reduced graphene oxide/polyaniline/gold nanoparticle composite as a novel platform for high sensitive and specific cocaine detection. <i>Analytica Chimica Acta</i> , 2017, 996, 10-19.	2.6	78
102	Designing of a new label-free electrochemical impedimetric nanosensor based on selective interaction sequence of L-lysine with activase kringle domains for sensitive detection of activase protein. <i>Journal of Molecular Liquids</i> , 2017, 248, 60-65.	2.3	3
103	Photoluminescence investigation of MPA@ZnS QDs interaction with selenite ion. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 2475-2483.	1.2	4
104	A comprehensive study on electrochemical oxidation of 2-acetamidophenol (ortho-acetaminophen). A green galvanostatic method for the synthesis of di-arylsulfonyl-2-acetamidophenol derivatives. <i>Electrochimica Acta</i> , 2017, 248, 376-387.	2.6	6
105	Determination of urinary trans,trans-muconic acid using molecularly imprinted polymer in microextraction by packed sorbent followed by liquid chromatography with ultraviolet detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1061-1062, 65-71.	1.2	30
106	A label-free electrochemical biosensor based on tubulin immobilized on gold nanoparticle/glassy carbon electrode for the determination of vinblastine. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5269-5278.	1.9	14
107	Fabrication of a novel impedimetric sensor based on L-Cysteine/Cu(II) modified gold electrode for sensitive determination of ampyra. <i>Analytica Chimica Acta</i> , 2017, 984, 185-192.	2.6	30
108	Determination of α -phenylglycine in the presence of its β -enantiomer using a turn-on fluorescent nano-chemosensor. <i>Talanta</i> , 2017, 162, 547-551.	2.9	4

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109	Protein capped Cu nanoclusters-SWCNT nanocomposite as a novel candidate of high performance platform for organophosphates enzymeless biosensor. <i>Biosensors and Bioelectronics</i> , 2017, 89, 829-836.	5.3	95
110	Surface decoration of cadmium-sulfide quantum dots with 3-mercaptopropionic acid as a fluorescence probe for determination of ciprofloxacin in real samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 14-21.	4.0	58
111	A novel electrochemical sensor based on magneto LDH/Fe ₃ O ₄ nanoparticles @ glassy carbon electrode for voltammetric determination of tramadol in real samples. <i>Ionics</i> , 2017, 23, 1005-1015.	1.2	42
112	Impedimetric immunosensor for the label-free and direct detection of botulinum neurotoxin serotype A using Au nanoparticles/graphene-chitosan composite. <i>Biosensors and Bioelectronics</i> , 2017, 93, 124-131.	5.3	106
113	Rapid analysis of trans,trans-muconic acid in urine using microextraction by packed sorbent. <i>Toxicology and Environmental Health Sciences</i> , 2017, 9, 317-324.	1.1	8
114	Fabrication of a Novel Highly Sensitive and Selective Immunosensor for Botulinum Neurotoxin Serotype A Based on an Effective Platform of Electrosynthesized Gold Nanodendrites/Chitosan Nanoparticles. <i>Sensors</i> , 2017, 17, 1074.	2.1	23
115	Cloud point-magnetic dispersive solid phase extraction for the spectrofluorometric determination of citalopram. <i>Journal of Molecular Liquids</i> , 2017, 241, 43-48.	2.3	11
116	Preparation of a ZnO nanoparticles/multiwalled carbon nanotubes/carbon paste electrode as a sensitive tool for capecitabine determination in real samples. <i>RSC Advances</i> , 2016, 6, 33851-33856.	1.7	20
117	CoFe ₂ O ₄ nanoparticles modified carbon paste electrode for simultaneous detection of oxycodone and codeine in human plasma and urine. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 263-271.	4.0	33
118	Application of cysteamine functionalized CdS hollow nanospheres in determination of Cd(II) and Pb(II) in the presence of each other by resonance light scattering technique. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3484-3491.	3.3	7
119	Fe ₃ O ₄ @Pt/MWCNT/carbon paste electrode for determination of a doxorubicin anticancer drug in a human urine sample. <i>RSC Advances</i> , 2016, 6, 72803-72809.	1.7	12
120	Construction of Modified Carbon Paste Electrode for Highly Sensitive Simultaneous Electrochemical Determination of Trace Amounts of Copper (II) and Cadmium (II). <i>Electroanalysis</i> , 2016, 28, 296-303.	1.5	32
121	Fabrication of a novel electrochemical sensing platform based on a core-shell nano-structured/molecularly imprinted polymer for sensitive and selective determination of ephedrine. <i>RSC Advances</i> , 2016, 6, 51135-51145.	1.7	45
122	Sensitive and simple simultaneous determination of morphine and codeine using a Zn ₂ SnO ₄ nanoparticle/graphene composite modified electrochemical sensor. <i>New Journal of Chemistry</i> , 2016, 40, 7102-7112.	1.4	74
123	Application of a sensitive nanocomposite-based electrochemical sensor for voltammetric determination of dicyclomine hydrochloride in real samples. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1819-1825.	1.2	2
124	ZnO/rGO nanocomposite/carbon paste electrode for determination of terazosin in human serum samples. <i>RSC Advances</i> , 2016, 6, 2552-2558.	1.7	9
125	An electrochemical sensor for rizatriptan benzoate determination using Fe ₃ O ₄ nanoparticle/multiwall carbon nanotube-modified glassy carbon electrode in real samples. <i>Materials Science and Engineering C</i> , 2016, 63, 637-643.	3.8	37
126	Electrochemically oxidized multiwalled carbon nanotube/glassy carbon electrode as a probe for simultaneous determination of dopamine and doxorubicin in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2577-2586.	1.9	43

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127	Selective and Sensitive Electrochemical Determination of Trace Amounts of Mercury Ion in Some Real Samples Using an Ion Imprinted Polymer Nano-Modifier. <i>Journal of the Electrochemical Society</i> , 2016, 163, B68-B75.	1.3	24
128	Effect of morphine, oxycodone and thebaine on resonance light scattering properties of human serum albumin: Investigation possibility of morphine determination in the presence of the two other drugs. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 379-383.	4.0	18
129	Construction of novel sensitive electrochemical sensor for electro-oxidation and determination of citalopram based on zinc oxide nanoparticles and multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2016, 59, 847-854.	3.8	34
130	Solid phase extraction of amoxicillin using dibenzo-18-crown-6 modified magnetic-multiwalled carbon nanotubes prior to its spectrophotometric determination. <i>Talanta</i> , 2016, 148, 122-128.	2.9	40
131	A sensitive electrochemical sensor for rapid and selective determination of venlafaxine in biological fluids using carbon paste electrode modified with molecularly imprinted polymer-coated magnetite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 243-251.	1.2	26
132	Efficient solid phase extraction of codeine from human urine samples using a novel magnetic molecularly imprinted nanoadsorbent and its spectrofluorometric determination. <i>New Journal of Chemistry</i> , 2016, 40, 122-129.	1.4	27
133	Gold nanoparticle/multi-walled carbon nanotube modified glassy carbon electrode as a sensitive voltammetric sensor for the determination of diclofenac sodium. <i>Materials Science and Engineering C</i> , 2016, 59, 168-176.	3.8	115
134	Simultaneous electrochemical sensing of thallium, lead and mercury using a novel ionic liquid/graphene modified electrode. <i>Analytica Chimica Acta</i> , 2015, 870, 56-66.	2.6	144
135	Spectrofluorometric and Molecular Modeling Studies on Binding of Nitrite Ion with Bovine Hemoglobin: Effect of Nitrite Ion on Amino Acid Residues. <i>Journal of Applied Spectroscopy</i> , 2015, 82, 322-328.	0.3	0
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137	Construction a magneto carbon paste electrode using synthesized molecularly imprinted magnetic nanospheres for selective and sensitive determination of mefenamic acid in some real samples. <i>Biosensors and Bioelectronics</i> , 2015, 68, 712-718.	5.3	49
138	A new nano-composite potentiometric sensor containing an Hg ²⁺ -ion imprinted polymer for the trace determination of mercury ions in different matrices. <i>Journal of Molecular Liquids</i> , 2015, 204, 227-235.	2.3	77
139	A simple cyanide sensing probe based on Ag/Fe ₃ O ₄ nanoparticles. <i>RSC Advances</i> , 2015, 5, 15886-15891.	1.7	15
140	Chiral magnetic nanospheres resonance light scattering properties studies for selective determination of naproxen and phenylglycine enantiomers. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 439-445.	4.0	24
141	Selective extraction and sensitive determination of mercury (II) ions by flame atomic absorption spectrometry after preconcentration on an ion-imprinted polymer-coated maghemite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1235-1243.	1.2	24
142	Modified ZnO nanoparticles with new modifiers for the removal of heavy metals in water. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1645-1661.	2.1	29
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157	Heavy metals removal from aqueous solutions by Al ₂ O ₃ nanoparticles modified with natural and chemical modifiers. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 85-102.	2.1	70
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159	New synthetic mercaptoethylamino homopolymer-modified maghemite nanoparticles for effective removal of some heavy metal ions from aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1160-1166.	2.9	60
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162	Solid phase extraction of doxorubicin using molecularly imprinted polymer coated magnetite nanospheres prior to its spectrofluorometric determination. <i>New Journal of Chemistry</i> , 2015, 39, 163-171.	1.4	47

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166	Facile stripping voltammetric determination of haloperidol using a high performance magnetite/carbon nanotube paste electrode in pharmaceutical and biological samples. <i>Materials Science and Engineering C</i> , 2014, 37, 264-270.	3.8	70
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173	Synthesis of gold nanoparticles using pH-sensitive hydrogel and its application for colorimetric determination of acetaminophen, ascorbic acid and folic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 517-524.	2.3	45
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176	Simultaneous determination of mycophenolate mofetil and its active metabolite, mycophenolic acid, by differential pulse voltammetry using multi-walled carbon nanotubes modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2014, 42, 38-45.	3.8	26
177	Electro-oxidation and voltammetric determination of oxymetholone in the presence of mestanolone using glassy carbon electrode modified with carbon nanotubes. <i>Talanta</i> , 2014, 121, 1-8.	2.9	21
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185	Molecularly imprinted polymer coated magnetite nanoparticles as an efficient mefenamic acid resonance light scattering nanosensor. <i>Analytica Chimica Acta</i> , 2014, 852, 250-256.	2.6	45
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198	Highly sensitive simultaneous electrochemical determination of trace amounts of Pb(II) and Cd(II) using a carbon paste electrode modified with multi-walled carbon nanotubes and a newly synthesized Schiff base. <i>Electrochimica Acta</i> , 2013, 89, 377-386.	2.6	98

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200	Superparamagnetic surface molecularly imprinted nanoparticles for sensitive solid-phase extraction of tramadol from urine samples. <i>Talanta</i> , 2013, 105, 255-261.	2.9	73
201	Gold nanoparticles modified carbon paste electrode as an efficient electrochemical sensor for rapid and sensitive determination of cefixime in urine and pharmaceutical samples. <i>Electrochimica Acta</i> , 2013, 103, 125-133.	2.6	60
202	Selective solid-phase extraction of naproxen drug from human urine samples using molecularly imprinted polymer-coated magnetic multi-walled carbon nanotubes prior to its spectrofluorometric determination. <i>Analyst</i> , The, 2013, 138, 4542.	1.7	84
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206	A Potentiometric Sensor for Cd ²⁺ Based on Carbon Nanotube Paste Electrode Constructed from Room Temperature Ionic Liquid, Ionophore and Silica Nanoparticles. <i>Electroanalysis</i> , 2012, 24, 2176-2185.	1.5	54
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210	Application of Modified Silica Coated Magnetite Nanoparticles for Removal of Iodine from Water Samples. <i>Nano-Micro Letters</i> , 2012, 4, 57-63.	14.4	97
211	Preparation and characterization of magnetic nanocomposite of Schiff base/silica/magnetite as a preconcentration phase for the trace determination of heavy metal ions in water, food and biological samples using atomic absorption spectrometry. <i>Talanta</i> , 2012, 97, 87-95.	2.9	312
212	Simultaneous trace-levels determination of Hg(II) and Pb(II) ions in various samples using a modified carbon paste electrode based on multi-walled carbon nanotubes and a new synthesized Schiff base. <i>Analytica Chimica Acta</i> , 2012, 746, 98-106.	2.6	123
213	Development of diffusive solid phase microextraction method for sampling of epichlorohydrin in air. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1365-1377.	1.8	9
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215	Multiwalled carbon nanotube paste electrode as an easy, inexpensive and highly selective sensor for voltammetric determination of Risperidone. <i>Analytical Methods</i> , 2012, 4, 1415.	1.3	32
216	Novel sensor fabrication for the determination of nanomolar concentrations of Ce ³⁺ in aqueous solutions. <i>Analytical Methods</i> , 2012, 4, 1753.	1.3	29

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218	Kinetic Determination of Trace Amounts of Nitrite Using an Optical Chemical Sensor. <i>Clean - Soil, Air, Water</i> , 2012, 40, 619-623.	0.7	1
219	Removal, preconcentration and spectrophotometric determination of U(VI) from water samples using modified maghemite nanoparticles. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 292, 597-602.	0.7	13
220	Removal of heavy metals from aqueous solutions using Fe ₃ O ₄ , ZnO, and CuO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	163
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222	Development of a cost-effective technique to remove the arsenic contamination from aqueous solutions by calcium peroxide nanoparticles. <i>Separation and Purification Technology</i> , 2012, 95, 10-15.	3.9	89
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227	Removal of some cationic dyes from aqueous solutions using magnetic-modified multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2011, 196, 109-114.	6.5	339
228	Alumina nanoparticles grafted with functional groups as a new adsorbent in efficient removal of formaldehyde from water samples. <i>Desalination</i> , 2011, 281, 151-158.	4.0	59
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230	Chemically modified alumina nanoparticles for selective solid phase extraction and preconcentration of trace amounts of Cd(II). <i>Mikrochimica Acta</i> , 2011, 175, 69-77.	2.5	58
231	Salicylic acid functionalized silica-coated magnetite nanoparticles for solid phase extraction and preconcentration of some heavy metal ions from various real samples. <i>Chemistry Central Journal</i> , 2011, 5, 41.	2.6	85
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237	Adsorptive removal of Congo red, a carcinogenic textile dye, from aqueous solutions by maghemite nanoparticles. <i>Journal of Hazardous Materials</i> , 2010, 174, 398-403.	6.5	565
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243	Simultaneous spectrophotometric determination of binary mixtures of surfactants using continuous wavelet transformation. <i>Journal of Hazardous Materials</i> , 2009, 166, 770-775.	6.5	16
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254	Simultaneous spectrofluorimetric determination of levodopa and propranolol in urine using feed-forward neural networks assisted by principal component analysis. <i>Talanta</i> , 2009, 78, 1051-1055.	2.9	49
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258	A new strategy for solving matrix effect in multivariate calibration standard addition data using combination of H-point curve isolation and H-point standard addition methods. <i>Analytica Chimica Acta</i> , 2008, 613, 144-151.	2.6	14
259	Simultaneous determination of calcium, magnesium and zinc in different foodstuffs and pharmaceutical samples with continuous wavelet transforms. <i>Food Chemistry</i> , 2008, 109, 660-669.	4.2	45
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