

Abbas Afkhami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

350
papers

11,691
citations

55
h-index

89
g-index

360
ext. papers

12,956
ext. citations

5
avg. IF

6.98
L-index

#	Paper	IF	Citations
350	Miniaturized bioelectrochemical devices 2022 , 89-108		
349	Wearable Potentiometric Sensor Based on NaMnO for Non-invasive Monitoring of Sodium Ions in Sweat.. <i>Analytical Chemistry</i> , 2022 ,	7.8	5
348	Smartphone-enabled miniaturized analytical devices 2022 , 285-306		
347	Separation miniaturized instruments 2022 , 41-62		0
346	Miniaturization An introduction to miniaturized analytical devices 2022 , 3-16		0
345	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	4.4	0
344	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	4.8	2
343	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	5.1	
342	Application of FeO@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	3.2	0
341	Simultaneous determination of BoNT/A and /E using an electrochemical sandwich immunoassay based on the nanomagnetic immunosensing platform.. <i>Chemosphere</i> , 2022 , 298, 134358	8.4	2
340	QSAR analysis on a large and diverse set of potent phosphoinositide 3-kinase gamma (PI3K) inhibitors using MLR and ANN methods.. <i>Scientific Reports</i> , 2022 , 12, 6090	4.9	1
339	Facile synthesis of magnetic melamine-based covalent organic framework for removal of Amido Black 10B. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	0
338	Self-assembled graphene-based microfibers with eclectic optical properties. <i>Scientific Reports</i> , 2021 , 11, 5451	4.9	
337	A new approach for simultaneous calculation of pIC50 and logP through QSAR/QSPR modeling on anthracycline derivatives: a comparable study. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 2785-2800		1
336	Electrochemically controlled solid phase microextraction based on nanostructured polypyrrole film for selective extraction of sunset yellow in food samples. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 3127	2	4
335	Application of magnetic ion imprinted polymers for simultaneous quantification of Al and Be ions using the mean centering of ratio spectra method. <i>Talanta</i> , 2021 , 225, 122003	6.2	1
334	Magnetic Nanomaterials in Microfluidic Sensors for Virus Detection: A Review. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4307-4328	5.6	5

333	Short-term effect of multi-pollutant air quality indexes and PM on cardiovascular hospitalization in Hamadan, Iran: a time-series analysis. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 53653-53667	5.1	4
332	Computational study on subfamilies of piperidine derivatives: QSAR modelling, model external verification, the inter-subset similarity determination, and structure-based drug designing. <i>SAR and QSAR in Environmental Research</i> , 2021 , 32, 433-462	3.5	3
331	Application of magnetic nanomaterials in electroanalytical methods: A review. <i>Talanta</i> , 2021 , 225, 1219742	4.2	17
330	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	1.9	5
329	Application of magnetic nanomaterials in plasmonic sensors 2021 , 249-267		1
328	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	3.2	1
327	Application of magnetic nanomaterials in magnetic field sensors 2021 , 327-345		
326	Spectroelectrochemical and electrochromic behavior of poly(methylene blue) and poly(thionine)-modified multi-walled carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 1217-1229	2.6	3
325	Target -responsive host-guest binding-driven dual-sensing readout for enhanced electrochemical chiral analysis. <i>Analyst, The</i> , 2021 , 146, 4865-4872	5	0
324	Graphene oxide nanoribbons/polypyrrole nanocomposite film: Controlled release of leucovorin by electrical stimulation. <i>Electrochimica Acta</i> , 2021 , 370, 137806	6.7	5
323	Phase distribution and risk assessment of PAHs in ambient air of Hamadan, Iran. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 209, 111807	7	14
322	Crystal violet-modified HKUST-1 framework with improved hydrostability as an efficient adsorbent for direct solid-phase microextraction. <i>Mikrochimica Acta</i> , 2021 , 188, 305	5.8	4
321	Development of modified polymer dot as stimuli-sensitive and Ga radio-carrier, for investigation of in vitro drug delivery, in vivo imaging and drug release kinetic. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 203, 114217	3.5	2
320	Electropolymerization as an electrochemical preconcentration approach for the determination of melamine in milk samples. <i>Electrochimica Acta</i> , 2021 , 390, 138897	6.7	3
319	Developed electrochemical sensors for the determination of beta-blockers: A comprehensive review. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 899, 115666	4.1	1
318	Synthesize and application of magnetic molecularly imprinted polymers (mag-MIPs) to extract 1-Aminopyrene from the human urine sample. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106253	6.8	2
317	Flexible electrospun nanofibrous film integrated with fluorescent carbon dots for smartphone-based detection and cellular imaging application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 260, 119944	4.4	2
316	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	8.5	5

315	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	4.7	6
314	Smart nanocarriers in glucose transporters-targeted delivery of anticancer drugs 2020 , 251-269		
313	Stimuli-sensitive drug delivery systems 2020 , 37-59		3
312	Lab in a Tube: Point-of-Care Detection of. <i>Analytical Chemistry</i> , 2020 , 92, 4209-4216	7.8	28
311	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	1.9	4
310	Magnetic molecularly imprinted electrospun nanofibers for selective extraction of nilotinib from human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 1629-1637	4.4	10
309	Nanomaterial-based adsorbents for wastewater treatment 2020 , 467-485		2
308	Ratiometric bioassay and visualization of dopamine βhydroxylase in brain cells utilizing a nanohybrid fluorescence probe. <i>Analytica Chimica Acta</i> , 2020 , 1105, 187-196	6.6	6
307	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	2	3
306	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	2	43
305	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	0.9	
304	NiZnFeO nanoparticles-decorated poly (vinyl alcohol) nanofiber as resonance light scattering probe for determination of sunitinib in serum samples. <i>Talanta</i> , 2020 , 218, 121190	6.2	3
303	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	2.6	16
302	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	9.5	33
301	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	4.5	5
300	Ultrasound-assisted dispersive liquid antisolvent precipitation for extraction of polar organic compounds in water. <i>Analytica Chimica Acta</i> , 2020 , 1135, 91-98	6.6	2
299	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	7.8	23
298	Absorbance-based Spectroelectrochemical Sensor for Determination of Ampyra Based on Electrochemical Preconcentration. <i>Sensors and Actuators B: Chemical</i> , 2020 , 324, 128723	8.5	5

297	Betulin and its derivatives as novel compounds with different pharmacological effects. <i>Biotechnology Advances</i> , 2020 , 38, 107409	17.8	73
296	Electrochemical biosensors for the detection of lung cancer biomarkers: A review. <i>Talanta</i> , 2020 , 206, 120251	6.2	122
295	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	3.9	7
294	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	4.4	27
293	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	2	4
292	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	8.3	36
291	The principles of bipolar electrochemistry and its electroanalysis applications. <i>Current Opinion in Electrochemistry</i> , 2019 , 17, 30-37	7.2	24
290	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	6.2	70
289	Enhanced Visual Wireless Electrochemiluminescence Immunosensing of Prostate-Specific Antigen Based on the Luminol Loaded into MIL-53(Fe)-NH Accelerator and Hydrogen Evolution Reaction Mediation. <i>Analytical Chemistry</i> , 2019 , 91, 6383-6390	7.8	48
288	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	4.1	10
287	ZnS quantum dots surface-loaded with zinc(II) ions as a viable fluorescent probe for glutathione. <i>Mikrochimica Acta</i> , 2019 , 186, 205	5.8	13
286	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	3	13
285	High-performance electrochemical enzyme sensor for organophosphate pesticide detection using modified metal-organic framework sensing platforms. <i>Bioelectrochemistry</i> , 2019 , 130, 107348	5.6	45
284	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	2.4	1
283	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	2	3
282	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	3.1	15
281	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	4.8	39
280	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	2	7

279	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	4.1	35
278	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	4.4	6
277	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	3.6	29
276	Ag nanoparticles for determination of bisphenol A by resonance light-scattering technique. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 1527-1534	2	5
275	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	11.8	54
274	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	2.8	12
273	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	6.2	16
272	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	2	3
271	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	2.7	19
270	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	1.4	3
269	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	8.5	23
268	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	3.8	22
267	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	5.8	19
266	Preparation and characterization of Fe ₃ O ₄ 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	8.9	5
265	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	3.2	10
264	New portable smartphone-based PDMS microfluidic kit for the simultaneous colorimetric detection of arsenic and mercury.. <i>RSC Advances</i> , 2018 , 8, 27091-27100	3.7	33
263	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	3.4	47
262	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	6.6	58

261	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	8.5	43
260	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	6.2	37
259	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	3.6	42
258	Voltammetric determination of 4-nitrophenol using a glassy carbon electrode modified with a gold-ZnO-SiO nanostructure. <i>Mikrochimica Acta</i> , 2018 , 185, 296	5.8	40
257	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	9.3	29
256	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	3.6	25
255	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	8.5	39
254	Total sulfur determination in liquid fuels by ICP-OES after oxidation-extraction desulfurization using magnetic graphene oxide. <i>Fuel</i> , 2017 , 210, 507-513	7.1	13
253	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	6.6	59
252	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	6	2
251	Photoluminescence investigation of MPAZnS QDs interaction with selenite ion. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 2475-2483	2	4
250	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	6.7	6
249	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	3.2	27
248	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	4.4	8
247	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	6.6	25
246	Determination of D-phenylglycine in the presence of its L-enantiomer using a turn-on fluorescent nano-chemosensor. <i>Talanta</i> , 2017 , 162, 547-551	6.2	3
245	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	11.8	80
244	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	8.5	45

243	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	2.7	31
242	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	11.8	89
241	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	1.9	4
240	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,	3.8	19
239	Cloud point-magnetic dispersive solid phase extraction for the spectrofluorometric determination of citalopram. <i>Journal of Molecular Liquids</i> , 2017 , 241, 43-48	6	9
238	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	2	18
237	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	3.6	23
236	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	8.3	92
235	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	3.7	8
234	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	3	26
233	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	3.7	37
232	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	3.6	53
231	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	2	1
230	ZnO/rGO nanocomposite/carbon paste electrode for determination of terazosin in human serum samples. <i>RSC Advances</i> , 2016 , 6, 2552-2558	3.7	8
229	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, 637-43	8.3	30
228	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, 2577-86	4.4	36
227	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	3.9	13
226	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	8.5	13

225	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	8.3	28
224	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, 122-8	6.2	30
223	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	3.7	12
222	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	8.5	20
221	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	6.8	6
220	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	2	19
219	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	4.3	24
218	Simultaneous and sensitive determination of melatonin and dopamine with Fe ₃ O ₄ nanoparticle-decorated reduced graphene oxide modified electrode. <i>RSC Advances</i> , 2015 , 5, 21659-21669	3.7	70
217	A new chiral electrochemical sensor for the enantioselective recognition of naproxen enantiomers using L-cysteine self-assembled over gold nanoparticles on a gold electrode. <i>RSC Advances</i> , 2015 , 5, 58609-58615	3.7	31
216	A novel electrochemical sensor based on magneto Au nanoparticles/carbon paste electrode for voltammetric determination of acetaminophen in real samples. <i>Materials Science and Engineering C</i> , 2015 , 57, 205-14	8.3	38
215	Solid phase extraction and spectrofluorometric determination of leached bisphenol A from some polycarbonate products under simulated use conditions using surface molecularly imprinted magnetite nanospheres. <i>Analytical Methods</i> , 2015 , 7, 6299-6306	3.2	10
214	Gold nanoparticles deposited on fluorine-doped tin oxide surface as an effective platform for fabricating a highly sensitive and specific digoxin aptasensor. <i>RSC Advances</i> , 2015 , 5, 58491-58498	3.7	36
213	Preconcentration and spectrofluorometric determination of l-tryptophan in the presence of d-tryptophan using a chiral magnetic nanoselector. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 681-687	8.5	16
212	Effectiveness of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ for the removal and preconcentration of Cr(VI), Mo(VI), V(V) and W(VI) oxyanions from water and wastewater samples. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 2007-2013	2	12
211	Electrochemical Sensor for Dapsone Using Molecularly Imprinted Polypyrrole Membrane as a Recognition Element. <i>Journal of the Electrochemical Society</i> , 2015 , 162, B109-B113	3.9	13
210	A novel sensor for sensitive determination of atropine based on a Co ₃ O ₄ -reduced graphene oxide modified carbon paste electrode. <i>New Journal of Chemistry</i> , 2015 , 39, 3875-3881	3.6	54
209	Electrochemical determination of levodopa in the presence of ascorbic acid by polyglycine/ZnO nanoparticles/multi-walled carbon nanotubes-modified carbon paste electrode. <i>Ionics</i> , 2015 , 21, 2937-2947	3.7	37
208	Synthesis of antibacterial and magnetic nanocomposites by decorating graphene oxide surface with metal nanoparticles. <i>RSC Advances</i> , 2015 , 5, 76442-76450	3.7	37

207	Enantioselective solid phase extraction prior to spectrofluorometric determination: a procedure for the determination of naproxen enantiomers in the presence of each other. <i>RSC Advances</i> , 2015 , 5, 5450-5457	3.7	11
206	Determination of human albumin in serum and urine samples by constant-energy synchronous fluorescence method. <i>Luminescence</i> , 2015 , 30, 576-82	2.5	9
205	Reducing leachability and bioavailability of soil heavy metals using modified and bare Al ₂ O ₃ and ZnO nanoparticles. <i>Environmental Earth Sciences</i> , 2015 , 73, 4347-4371	2.9	15
204	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	4.3	57
203	Magnetic nickel zinc ferrite nanocomposite as an efficient adsorbent for the removal of organic dyes from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 920-924	6.3	55
202	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	6.3	51
201	Spectrofluorometric determination of venlafaxine in biological samples after selective extraction on the superparamagnetic surface molecularly imprinted nanoparticles. <i>Analytical Methods</i> , 2015 , 7, 428-435	3.2	19
200	New nano-composite potentiometric sensor composed of graphene nanosheets/thionine/molecular wire for nanomolar detection of silver ion in various real samples. <i>Talanta</i> , 2015 , 131, 548-55	6.2	73
199	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, 163-174	3.6	39
198	Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanocomposite modified carbon paste electrode for highly sensitive and selective simultaneous electrochemical determination of trace amounts of mercury (II) and cadmium (II). <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 257-265	2	18
197	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	6.6	114
196	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	0.7	
195	Electrochemical determination of fluvoxamine on mercury nanoparticle multi-walled carbon nanotube modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 259-266	8.5	14
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193	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	6	67
192	A simple cyanide sensing probe based on Ag/Fe ₃ O ₄ nanoparticles. <i>RSC Advances</i> , 2015 , 5, 15886-15891	3.7	9
191	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	8.5	19
190	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, 264-70	8.3	63

189	A sensitive electrochemical sensor for rapid determination of methadone in biological fluids using carbon paste electrode modified with gold nanofilm. <i>Talanta</i> , 2014 , 128, 203-10	6.2	28
188	Removal and preconcentration of lead(II), cadmium(II) and chromium(III) ions from wastewater samples using surface functionalized magnetite nanoparticles. <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 489-498	2	15
187	A new nano-composite electrode as a copper (II) selective potentiometric sensor. <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 1373-1380	2	12
186	Improvement in performance of a hyoscine butylbromide potentiometric sensor using a new nanocomposite carbon paste: a comparison study with polymeric membrane sensor. <i>Ionics</i> , 2014 , 20, 1145-1154	2.7	24
185	Novel Sensor Fabrication for the Determination of Nanomolar Concentrations of Hg ²⁺ in Some Foods and Water Samples Based on Multi-walled Carbon Nanotubes/Ionic Liquid and a New Schiff Base. <i>Food Analytical Methods</i> , 2014 , 7, 1204-1212	3.4	11
184	Highly sensitive and selective determination of thiocyanate using gold nanoparticles surface decorated multi-walled carbon nanotubes modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 467-474	8.5	28
183	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	5.1	35
182	Construction and Application of an Electrochemical Sensor for Simultaneous Determination of Cd(II), Cu(II) and Hg(II) in Water and Foodstuff Samples. <i>Electroanalysis</i> , 2014 , 26, 786-795	3	24
181	Preparation of NiFe ₂ O ₄ /graphene nanocomposite and its application as a modifier for the fabrication of an electrochemical sensor for the simultaneous determination of tramadol and acetaminophen. <i>Analytica Chimica Acta</i> , 2014 , 831, 50-9	6.6	105
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179	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	6.2	20
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177	A new potentiometric sensor based on a high-performance composite for nanomolar determination of mercury (II) in environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2014 , 94, 901-915	1.8	10
176	Competitive ⁷ Li NMR study of the stoichiometry, stability and thermodynamic data for the complexation of Li ⁺ , Mn ²⁺ , Zn ²⁺ and Cd ²⁺ ions with two asymmetrical branched pentadentate (N5) amines containing pyridine moiety in ionic liquid/acetonitrile mixtures. <i>Journal of Molecular Structure</i> , 2014 , 1075, 525-533	3.4	5
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172	Synthesis of Fe ₂ O ₃ /TiO ₂ nanocomposite and its application in removal of dyes from water samples by adsorption and degradation processes. <i>RSC Advances</i> , 2014 , 4, 44841-44847	3.7	26

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170	Spectroscopic and molecular docking techniques study of the interaction between oxymetholone and human serum albumin. <i>Journal of Luminescence</i> , 2014 , 155, 218-225	3.8	45
169	Construction of a carbon ionic liquid paste electrode based on multi-walled carbon nanotubes-synthesized Schiff base composite for trace electrochemical detection of cadmium. <i>Materials Science and Engineering C</i> , 2014 , 35, 8-14	8.3	59
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167	Investigation of the Interaction between Nitrite Ion and Bovine Serum Albumin Using Spectroscopic and Molecular Docking Techniques. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 1223-1230 ¹	1.5	1230 ¹
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160	Simple in situ functionalizing magnetite nanoparticles by reactive blue-19 and their application to the effective removal of Pb ²⁺ ions from water samples. <i>Chemosphere</i> , 2013 , 90, 542-7	8.4	45
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157	Synthesis, characterization, and application of a triazene-based polysulfone as a dye adsorbent. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3439-3446	2.9	6
156	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	6.7	77
155	Fabrication and application of a new modified electrochemical sensor using nano-silica and a newly synthesized Schiff base for simultaneous determination of Cd ²⁺ , Cu ²⁺ and Hg ²⁺ ions in water and some foodstuff samples. <i>Analytica Chimica Acta</i> , 2013 , 771, 21-30	6.6	109
154	Superparamagnetic surface molecularly imprinted nanoparticles for sensitive solid-phase extraction of tramadol from urine samples. <i>Talanta</i> , 2013 , 105, 255-61	6.2	66

153	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	6.7	48
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146	Preconcentration of trace amounts of formaldehyde from water, biological and food samples using an efficient nanosized solid phase, and its determination by a novel kinetic method. <i>Mikrochimica Acta</i> , 2012 , 176, 217-227	5.8	28
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142	Removal of heavy metals from aqueous solutions using Fe ₃ O ₄ , ZnO, and CuO nanoparticles 2012 , 171-188		11
141	Application of Modified Silica Coated Magnetite Nanoparticles for Removal of Iodine from Water Samples. <i>Nano-Micro Letters</i> , 2012 , 4, 57-63	19.5	87
140	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	6.2	265
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138	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	7
137	Adsorption and kinetic studies of seven different organic dyes onto magnetite nanoparticles loaded tea waste and removal of them from wastewater samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 99, 102-9	4.4	139
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135	Novel sensor fabrication for the determination of nanomolar concentrations of Ce ³⁺ in aqueous solutions. <i>Analytical Methods</i> , 2012 , 4, 1753	3.2	28
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133	Kinetic Determination of Trace Amounts of Nitrite Using an Optical Chemical Sensor. <i>Clean - Soil, Air, Water</i> , 2012 , 40, 619-623	1.6	1
132	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	1.5	10
131	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	2.3	137
130	Simultaneous spectrophotometric determination of Cu(II), Co(II) and Ni(II) using ratio spectra-continuous wavelet transformation in some food and environmental samples. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 1312-1319	1.5	9
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128	Synthesis of calcium peroxide nanoparticles as an innovative reagent for in situ chemical oxidation. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1437-40	12.8	94
127	Removal of some cationic dyes from aqueous solutions using magnetic-modified multi-walled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2011 , 196, 109-14	12.8	282
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125	Flame atomic absorption spectrometric determination of trace amounts of Pb(II) and Cr(III) in biological, food and environmental samples after preconcentration by modified nano-alumina. <i>Mikrochimica Acta</i> , 2011 , 172, 125-136	5.8	78
124	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	5.8	52
123	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		81
122	Spectrophotometric Determination of Cationic Surfactants Based on Their Effect on the Complexes of Chrome Azurol S with Be ²⁺ and Al ³⁺ Cations. <i>Clean - Soil, Air, Water</i> , 2011 , 39, 171-176	1.6	9
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115	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	12.8	477
114	Kinetic study of charge transfer complexes of ICl ₃ with DB18C6 and DC18C6 in some nonaqueous solvents. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010 , 67, 127-132		2
113	Simultaneous removal of heavy-metal ions in wastewater samples using nano-alumina modified with 2,4-dinitrophenylhydrazine. <i>Journal of Hazardous Materials</i> , 2010 , 181, 836-44	12.8	381
112	Modified maghemite nanoparticles as an efficient adsorbent for removing some cationic dyes from aqueous solution. <i>Desalination</i> , 2010 , 263, 240-248	10.3	160
111	Simultaneous spectrophotometric determination of binary mixtures of surfactants using continuous wavelet transformation. <i>Journal of Hazardous Materials</i> , 2009 , 166, 770-5	12.8	14
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109	Removal, preconcentration and determination of Mo(VI) from water and wastewater samples using maghemite nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 346, 52-57	5.1	125
108	Mo(VI) and W(VI) removal from water samples by acid-treated high area carbon cloth. <i>Desalination</i> , 2009 , 243, 258-264	10.3	48
107	Spectrophotometric determination of acidity and tautomeric constants and hydrogen bonding strength for a new Schiff base using hard modeling and multivariate curve resolution alternative least squares methods. <i>Analytica Chimica Acta</i> , 2009 , 634, 180-5	6.6	19
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105	Investigation of oxidation and tautomerization of a recently synthesized Schiff base in micellar media using multivariate curve resolution alternative least squares and rank annihilation factor analysis methods. <i>Analytica Chimica Acta</i> , 2009 , 647, 189-94	6.6	7
104	Cloud Point Extraction and Spectrophotometric Determination of Sulfide in Water Samples using Ethylene Blue Formation Reaction. <i>Separation Science and Technology</i> , 2009 , 44, 983-994	2.5	7
103	Simultaneous kinetic spectrophotometric determination of Cu(II), Co(II) and Ni(II) using partial least squares (PLS) regression. <i>Open Chemistry</i> , 2009 , 7, 375-381	1.6	2
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100	Simultaneous spectrofluorimetric determination of levodopa and propranolol in urine using feed-forward neural networks assisted by principal component analysis. <i>Talanta</i> , 2009 , 78, 1051-5	6.2	40

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92	Micelle-mediated extraction and spectrophotometric determination of ammonia in water samples utilizing indophenol dye formation. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 1546-1552	1.5	22
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90	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, 144-51	6.6	11
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88	Recent applications of kinetic methods in multi-component analysis. <i>Journal of the Iranian Chemical Society</i> , 2008 , 5, 352-366	2	13
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84	A novel cyanide sensing phase based on immobilization of methyl violet on a triacetylcellulose membrane. <i>Sensors and Actuators B: Chemical</i> , 2007 , 122, 437-441	8.5	52
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