

Abbas Afkhami

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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	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
349	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
348	Handling of Rayleigh and Raman scatter for PARAFAC modeling of fluorescence data using interpolation. <i>Journal of Chemometrics</i> , 2006 , 20, 99-105	1.6	344
347	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
346	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
345	HEAVY METALS REMOVAL FROM AQUEOUS SOLUTIONS USING TiO ₂ , MgO, AND Al ₂ O ₃ NANOPARTICLES. <i>Chemical Engineering Communications</i> , 2013 , 200, 448-470	2.2	167
344	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
343	Surface decoration of multi-walled carbon nanotubes modified carbon paste electrode with gold nanoparticles for electro-oxidation and sensitive determination of nitrite. <i>Biosensors and Bioelectronics</i> , 2014 , 51, 379-85	11.8	154
342	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
341	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
340	Simultaneous determination of tyrosine, acetaminophen and ascorbic acid using gold nanoparticles/multiwalled carbon nanotube/glassy carbon electrode by differential pulse voltammetric method. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 451-460	8.5	133
339	Simultaneous electrochemical determination of heavy metals using a triphenylphosphine/MWCNTs composite carbon ionic liquid electrode. <i>Sensors and Actuators B: Chemical</i> , 2013 , 186, 451-460	8.5	133
338	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
337	Mean centering of ratio spectra as a new spectrophotometric method for the analysis of binary and ternary mixtures. <i>Talanta</i> , 2005 , 66, 712-20	6.2	123
336	Electrochemical biosensors for the detection of lung cancer biomarkers: A review. <i>Talanta</i> , 2020 , 206, 120251	6.2	122
335	Preconcentration and spectrophotometric determination of low concentrations of malachite green and leuco-malachite green in water samples by high performance solid phase extraction using maghemite nanoparticles. <i>Talanta</i> , 2010 , 82, 785-9	6.2	117
334	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

333	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
332	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	6.6	108
331	Fabrication of a new electrochemical sensor based on a new nano-molecularly imprinted polymer for highly selective and sensitive determination of tramadol in human urine samples. <i>Biosensors and Bioelectronics</i> , 2013 , 44, 34-40	11.8	107
330	Preparation of NiFeO ₂ /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
329	Investigation of removal of Cr(VI), Mo(VI), W(VI), V(IV), and V(V) oxy-ions from industrial waste-waters by adsorption and electrosorption at high-area carbon cloth. <i>Journal of Colloid and Interface Science</i> , 2002 , 251, 248-55	9.3	103
328	Facile simultaneous electrochemical determination of codeine and acetaminophen in pharmaceutical samples and biological fluids by graphene/CoFe ₂ O ₄ nanocomposite modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 203, 909-918	8.5	101
327	The effect of acid treatment of carbon cloth on the adsorption of nitrite and nitrate ions. <i>Journal of Hazardous Materials</i> , 2007 , 144, 427-31	12.8	97
326	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
325	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
324	Construction of a modified carbon paste electrode for the highly selective simultaneous electrochemical determination of trace amounts of mercury(II) and cadmium(II). <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 542-548	8.5	89
323	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
322	Construction of a chemically modified electrode for the selective determination of nitrite and nitrate ions based on a new nanocomposite. <i>Electrochimica Acta</i> , 2012 , 66, 255-264	6.7	87
321	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
320	Spectrophotometric determination of trace amounts of uranium(VI) in water samples after mixed micelle-mediated extraction. <i>Talanta</i> , 2007 , 71, 610-4	6.2	85
319	Flame atomic absorption spectrometric determination of trace quantities of cadmium in water samples after cloud point extraction in Triton X-114 without added chelating agents. <i>Journal of Hazardous Materials</i> , 2006 , 138, 269-72	12.8	82
318	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
317	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
316	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

315	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
314	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>Analyt, The</i> , 2013 , 138, 4542-9	5	75
313	Mean centering of ratio kinetic profiles as a novel spectrophotometric method for the simultaneous kinetic analysis of binary mixtures. <i>Analytica Chimica Acta</i> , 2004 , 526, 211-218	6.6	75
312	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
311	Betulin and its derivatives as novel compounds with different pharmacological effects. <i>Biotechnology Advances</i> , 2020 , 38, 107409	17.8	73
310	Separation, preconcentration and determination of silver ion from water samples using silica gel modified with 2,4,6-trimorpholino-1,3,5-triazin. <i>Journal of Hazardous Materials</i> , 2006 , 128, 67-72	12.8	72
309	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
308	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
307	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	8.3	70
306	New Schiff base-carbon nanotube/silica/nic liquid as a high performance sensing material of a potentiometric sensor for nanomolar determination of cerium(III) ions. <i>Sensors and Actuators B: Chemical</i> , 2012 , 174, 237-244	8.5	68
305	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
304	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
303	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
302	Micell-mediated extraction for the spectrophotometric determination of nitrite in water and biological samples based on its reaction with p-nitroaniline in the presence of diphenylamine. <i>Analytical Biochemistry</i> , 2005 , 336, 295-9	3.1	60
301	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
300	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
299	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
298	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

297	Effect of the impregnation of carbon cloth with ethylenediaminetetraacetic acid on its adsorption capacity for the adsorption of several metal ions. <i>Journal of Hazardous Materials</i> , 2008 , 150, 408-12	12.8	57
296	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
295	Successive ratio-derivative spectra as a new spectrophotometric method for the analysis of ternary mixtures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 61, 869-77	4.4	55
294	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
293	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
292	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	10.3	54
291	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
290	Indirect Kinetic Spectrophotometric Determination of Resorcinol, Catechol, and Hydroquinone. <i>Journal of Analytical Chemistry</i> , 2001 , 56, 429-432	1.1	53
289	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
288	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
287	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
286	Kinetic study of the oxidation of some catecholamines by digital simulation of cyclic voltammograms. <i>International Journal of Chemical Kinetics</i> , 2005 , 37, 17-24	1.4	51
285	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
284	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
283	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
282	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
281	A novel spectrophotometric method for the simultaneous kinetic analysis of ternary mixtures by mean centering of ratio kinetic profiles. <i>Talanta</i> , 2006 , 68, 1148-55	6.2	47
280	Simultaneous spectrophotometric determination of hydrazine and phenylhydrazine based on their condensation reactions with different aromatic aldehydes in micellar media using H-point standard addition method. <i>Talanta</i> , 2004 , 62, 559-65	6.2	47

279	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
278	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
277	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
276	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
275	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	11.8	45
274	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 ³		45
273	Second-order advantage applied to simultaneous spectrofluorimetric determination of paracetamol and mefenamic acid in urine samples. <i>Analytica Chimica Acta</i> , 2009 , 645, 25-9	6.6	45
272	Simultaneous determination of Co ²⁺ , Ni ²⁺ , Cu ²⁺ and Zn ²⁺ ions in foodstuffs and vegetables with a new Schiff base using artificial neural networks. <i>Talanta</i> , 2009 , 77, 995-1001	6.2	45
271	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
270	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
269	Molecularly imprinted polymer coated magnetite nanoparticles as an efficient mefenamic acid resonance light scattering nanosensor. <i>Analytica Chimica Acta</i> , 2014 , 852, 250-6	6.6	43
268	Adsorption and electrosorption of nitrate and nitrite on high-area carbon cloth: an approach to purification of water and waste-water samples. <i>Carbon</i> , 2003 , 41, 1320-1322	10.4	42
267	Novel potentiometric sensor for the determination of Cd ²⁺ based on a new nano-composite. <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 578-591	1.8	40
266	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
265	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
264	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
263	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	7.6	39
262	A new nano-composite modified carbon paste electrode as a high performance potentiometric sensor for nanomolar Tl(I) determination. <i>Journal of Molecular Liquids</i> , 2014 , 197, 52-57	6	39

261	Spectrophotometric determination of beryllium in water samples after micelle-mediated extraction preconcentration. <i>Talanta</i> , 2007 , 71, 1103-9	6.2	39
260	Kinetic-spectrophotometric determination of selenium in natural water after preconcentration of elemental selenium on activated carbon. <i>Talanta</i> , 2002 , 58, 311-7	6.2	39
259	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
258	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
257	Effect of treatment of carbon cloth with sodium hydroxide solution on its adsorption capacity for the adsorption of some cations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 304, 36-40	5.1	38
256	Simultaneous kinetic spectrophotometric determination of cyanide and thiocyanate using the partial least squares (PLS) regression. <i>Talanta</i> , 2007 , 71, 893-9	6.2	38
255	Micelle-mediated extraction for simultaneous spectrophotometric determination of aluminum and beryllium using mean centering of ratio spectra. <i>Talanta</i> , 2007 , 72, 408-14	6.2	38
254	Highly selective determination of trace quantities of mercury in water samples after preconcentration by the cloud-point extraction method. <i>International Journal of Environmental Analytical Chemistry</i> , 2006 , 86, 1165-1173	1.8	38
253	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
252	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
251	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
250	Adsorption of some cationic and anionic dyes on magnetite nanoparticles-modified activated carbon from aqueous solutions: equilibrium and kinetics study. <i>Journal of the Iranian Chemical Society</i> , 2013 , 10, 481-489	2	37
249	Spectrophotometric determination of periodate, iodate and bromate mixtures based on their reaction with iodide. <i>Analytical Sciences</i> , 2001 , 17, 1199-202	1.7	37
248	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
247	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
246	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
245	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
244	An efficient electrochemical synthesis of diamino-o-benzoquinone: mechanistic and kinetic evaluation of the reaction of azide ion with o-benzoquinone. <i>Chemical Communications</i> , 2007 , 162-4	5.8	36

243	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
242	Indirect kinetic spectrophotometric determination of hydroxylamine based on its reaction with iodate. <i>Analytical Sciences</i> , 2006 , 22, 329-31	1.7	35
241	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
240	Spectrophotometric determination of conditional acidity constant as a function of β -cyclodextrin concentration for some organic acids using rank annihilation factor analysis. <i>Analytica Chimica Acta</i> , 2006 , 569, 267-274	6.6	34
239	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
238	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	8.5	33
237	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
236	Improvement in the performance of a Pb ²⁺ + selective potentiometric sensor using modified core/shell SiO ₂ /Fe ₃ O ₄ nano-structure. <i>Journal of Molecular Liquids</i> , 2014 , 199, 108-114	6	32
235	Solid phase extraction flame atomic absorption spectrometric determination of ultra-trace beryllium. <i>Analytica Chimica Acta</i> , 2001 , 437, 17-22	6.6	32
234	Synthesis of morpholinated and 8-hydroxyquinolinated silica gel and their application to water softening. <i>Green Chemistry</i> , 2002 , 4, 611-614	10	32
233	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
232	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
231	Artificial neural networks for determination of enantiomeric composition of alpha-phenylglycine using UV spectra of cyclodextrin host-guest complexes: comparison of feed-forward and radial basis function networks. <i>Talanta</i> , 2008 , 75, 91-8	6.2	31
230	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
229	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
228	A selective sensor for nanolevel detection of lead (II) in hazardous wastes using ionic-liquid/Schiff base/MWCNTs/nanosilica as a highly sensitive composite. <i>Ionics</i> , 2012 , 18, 881-889	2.7	30
227	Spectrophotometric determination of hydroxylamine and nitrite in mixture in water and biological samples after micelle-mediated extraction. <i>Analytical Biochemistry</i> , 2005 , 347, 162-4	3.1	30
226	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

225	A novel and high performance enzyme-less sensing layer for electrochemical detection of methyl parathion based on BSA templated AuAg bimetallic nanoclusters. <i>New Journal of Chemistry</i> , 2018 , 42, 7213-7222	3.6	29
224	Cloud point extraction spectrophotometric determination of trace quantities of bismuth in urine. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 797-802	1.5	29
223	Lab in a Tube: Point-of-Care Detection of. <i>Analytical Chemistry</i> , 2020 , 92, 4209-4216	7.8	28
222	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
221	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
220	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
219	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
218	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
217	Spectrophotometric determination of bismuth in water samples after preconcentration of its thiourea-bromide ternary complex on activated carbon. <i>Talanta</i> , 2003 , 60, 831-8	6.2	28
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