Mohammad Mazloum-Ardakani

List of Publications by Year in Descending Order

227 papers	6,183 citations	46 h-index	66 g-index
232 ext. papers	6,803 ext. citations	4.8 avg, IF	6.21 L-index

#	Paper	IF	Citations
227	Optical cytosensors for the detection of circulating tumour cells.. *Journal of Materials Chemistry B*, **2022**,	7.3	1
226	Boosted 2D graphene nanosheets by organic-inorganic hybrid cross-linker for an efficient and stable supercapacitor. *International Journal of Hydrogen Energy*, **2022**, 47, 9864-9864	6.7	1
225	MXene-based cytosensor for the detection of HER2-positive cancer cells using CoFeO@Ag magnetic nanohybrids conjugated to the HB5 aptamer. *Biosensors and Bioelectronics*, **2022**, 195, 113626	11.8	12
224	A green protocol for the electrochemical synthesis of a fluorescent dye with antibacterial activity from imipramine oxidation.. *Scientific Reports*, **2022**, 12, 4921	4.9	0
223	Indium based metal-organic framework/carbon nanotubes composite as a template for In2O3 porous hexagonal prisms/carbon nanotubes hybrid structure and their application as promising super-capacitive electrodes. *Journal of Energy Storage*, **2022**, 51, 104238	7.8	0
222	Design of a nanocytosensor for isolation and electrochemical detection of folate-overexpressed circulating tumor cells. *Sensors and Actuators B: Chemical*, **2022**, 131873	8.5	0
221	In situ monitoring of gating approach on mesoporous silica nanoparticles thin-film generated by the EASA method for electrochemical detection of insulin. *Biosensors and Bioelectronics*, **2021**, 180, 113124	11.8	5
220	CoFe2O4@methyl cellulose core-shell nanostructure and their hybrids with functionalized graphene aerogel for high performance asymmetric supercapacitor. *International Journal of Hydrogen Energy*, **2021**, 46, 3984-3995	6.7	9
219	Nanofibers modified through carbon and nitrogen co-doping and phase transformation for application in pseudocapacitors. *International Journal of Energy Research*, **2021**, 45, 2343-2352	4.5	0
218	A green and template-free electropolymerization of imipramine. The decoration of sponge-like polymer film with gold nanoparticles. *Journal of Electroanalytical Chemistry*, **2021**, 894, 115340	4.1	2
217	Arginine-functionalized graphene oxide for green and high-performance symmetric supercapacitors. *International Journal of Hydrogen Energy*, **2021**, 46, 30219-30229	6.7	3
216	Vesicular release dynamics are altered by the interaction between the chemical cargo and vesicle membrane lipids. *Chemical Science*, **2021**, 12, 10273-10278	9.4	1
215	Electrocatalytic degradation of dibenzoazepine drugs by fluorine doped □PbO2 electrode: New insight into the electrochemical oxidation and mineralization mechanisms. *Journal of Electroanalytical Chemistry*, **2020**, 862, 114037	4.1	11
214	A Sensing Platform Using Ag/Pt Core-shell Nanostructures Supported on Multiwalled Carbon Nanotubes to Detect Hydroxyurea. *Electroanalysis*, **2020**, 32, 2137-2145	3	4
213	Detection of Dexamethasone Sodium Phosphate in Blood Plasma: Application of Hematite in Electrochemical Sensors. *Electroanalysis*, **2020**, 32, 1148-1154	3	2
212	Enhancement of photovoltaic performance using a□hovel photocathode based on poly(3,4-ethylenedioxythiophene)/Ag□uO nanocomposite in dye-sensitized solar cells **2020**, 23, 105-115		0
211	Enhance the performance of iron oxide nanoparticles in supercapacitor applications through internal contact of □Fe2O3@CeO2 core-shell. *Journal of Alloys and Compounds*, **2020**, 819, 152949	5.7	19

210	Electrochemical and theoretical study of novel functional porous graphene aerogel-supported Sm2O3 nanoparticles for supercapacitor applications. *Journal of Solid State Electrochemistry*, **2020**, 24, 571-582	2.6	9
209	Electrochemical cytosensors for detection of breast cancer cells. *Biosensors and Bioelectronics*, **2020**, 151, 111984	11.8	39
208	Application of bifunctional photoanode materials in DSSCs: A review. *Renewable and Sustainable Energy Reviews*, **2020**, 134, 110249	16.2	13
207	Application of a natural antioxidant as an efficient strategy to decrease the oxidation in Sn-based perovskites. *Journal of Alloys and Compounds*, **2020**, 846, 156351	5.7	4
206	Advances in aptasensor technology. *Advances in Clinical Chemistry*, **2020**, 99, 237-279	5.8	10
205	Novel Fe2O3@CeO2 Coreshell-based Electrochemical Nanosensor for the Voltammetric Determination of Norepinephrine. *Electroanalysis*, **2020**, 32, 455-461	3	7
204	Metal oxide-based gas sensors for detection of exhaled breath markers. *Medical Devices & Sensors*, **2020**, 4, e10161	1.6	9
203	Latest Trends in Electrochemical Sensors for Neurotransmitters: A Review. *Sensors*, **2019**, 19,	3.8	49
202	Synthesis and application of Fe3O4@nanocellulose/TiCl as a nanofiller for high performance of quasisolid-based dye-sensitized solar cells. *International Journal of Energy Research*, **2019**, 43, 4483-4494	4.5	10
201	Synthesis of a porous interconnected nitrogen-doped graphene aerogel matrix incorporated with ytterbium oxide nanoparticles and its application in superior symmetric supercapacitors. *Electrochimica Acta*, **2019**, 306, 480-488	6.7	25
200	Improving the effective photovoltaic performance in dye-sensitized solar cells using an azobenzenecarboxylic acid-based system. *Heliyon*, **2019**, 5, e01444	3.6	9
199	Typically used nanomaterials-based noncarbon materials in the fabrication of biosensors **2019**, 99-133		4
198	A distinguished cancer-screening package containing a DNA sensor and an aptasensor for early and certain detection of acute lymphoblastic leukemia. *Clinica Chimica Acta*, **2019**, 497, 41-47	6.2	14
197	Designing and optimization of an electrochemical substitute for the MTT (3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide) cell viability assay. *Scientific Reports*, **2019**, 9, 14966	4.9	5
196	Fabrication of a high-performance hybrid supercapacitor using a modified graphene aerogel/cerium oxide nanoparticle composite. *Journal of Energy Storage*, **2019**, 26, 100998	7.8	9
195	Fabrication of an ultrasensitive and selective electrochemical aptasensor to detect carcinoembryonic antigen by using a new nanocomposite. *Biosensors and Bioelectronics*, **2019**, 129, 1-6	11.8	36
194	Synthesis of 2-amino-4-(4-(methylamino)phenyl)-6-phenylnicotinonitrile as a new additive for the passivation of the TiO2 surface and retarding recombination in dye-sensitized solar cells. *Electrochimica Acta*, **2018**, 266, 452-459	6.7	11
193	Investigation of Methanol Behavior at the Designed Electrochemical Sensor based on Ni(II) Complex and Graphene Nanosheets. *Journal of the Chinese Chemical Society*, **2018**, 65, 603-612	1.5	7

192	Carbon Nanoparticles in High-Performance Perovskite Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1702719	21.8	59
191	A new composite consisting of electrosynthesized conducting polymers, graphene sheets and biosynthesized gold nanoparticles for biosensing acute lymphoblastic leukemia. *Bioelectrochemistry*, **2018**, 121, 38-45	5.6	28
190	Self-assembled monolayers of organosulfur derivative on gold nanoparticles as electrochemical sensor for determination of isoprenaline. *Journal of the Iranian Chemical Society*, **2018**, 15, 1061-1068	2	5
189	Nickel nitride nanoparticles as efficient electrocatalyst for effective electro-oxidation of ethanol and methanol in alkaline media. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2018**, 229, 201-205	3.1	22
188	Greener, Nonhalogenated Solvent Systems for Highly Efficient Perovskite Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1800177	21.8	80
187	Enhanced performance of label-free electrochemical immunosensor for carbohydrate antigen 15-3 based on catalytic activity of cobalt sulfide/graphene nanocomposite. *Sensors and Actuators B: Chemical*, **2018**, 255, 580-587	8.5	46
186	Reducing Surface Recombination by a Poly(4-vinylpyridine) Interlayer in Perovskite Solar Cells with High Open-Circuit Voltage and Efficiency. *ACS Omega*, **2018**, 3, 5038-5043	3.9	29
185	Simultaneous Determination of Ascorbic Acid, Uric Acid and Tryptophan by Novel Carbon Nanotube Paste Electrode. *Iranian Journal of Pharmaceutical Research*, **2018**, 17, 851-863	1.1	2
184	Recent advancements in compact layer development for perovskite solar cells. *Heliyon*, **2018**, 4, e00912	3.6	14
183	Epinephrine electrochemical sensor based on a carbon paste electrode modified with hydroquinone derivative and graphene oxide nano-sheets: Simultaneous determination of epinephrine, acetaminophen and dopamine. *Measurement: Journal of the International Measurement Confederation*, **2017**, 101, 183-189	4.6	48
182	A study of electrochemical behavior of quinazolin derivatives as novel additives and their specific effects on the performance of dye-sensitized solar cells. *Ionics*, **2017**, 23, 1591-1599	2.7	5
181	Detection of aflD gene in contaminated pistachio with Aspergillus flavus by DNA based electrochemical biosensor. *International Journal of Food Properties*, **2017**, 20, S119-S130	3	5
180	High-performance electrochemical sensor based on electrodeposited iron oxide nanoparticle: catecholamine as analytical probe. *Journal of the Iranian Chemical Society*, **2017**, 14, 1659-1664	2	7
179	A new electrochemical biosensor based on telomeric G-quadruplex DNA: In silico and experimental study of dihydropyridine derivatives potential effect on telomerase inhibition. *Journal of Electroanalytical Chemistry*, **2017**, 796, 24-32	4.1	11
178	Graphene sheet for improving the electrocatalytic activity of a benzofuran derivative modified electrode for determination of epinephrine in the presence of serotonin. *Journal of Analytical Chemistry*, **2017**, 72, 689-698	1.1	4
177	Thiosemicarbazide derivative-functionalized carbon nanotube for simultaneous determination of isoprenaline and piroxicam. *Journal of Analytical Science and Technology*, **2017**, 8,	3.4	3
176	Different Electrocatalytic Response Related to the Morphological Structure of TiO2 Nanomaterial: Hydroquinone as an Analytical Probe. *Electroanalysis*, **2017**, 29, 231-237	3	6
175	Electrochemical determination of diazepam in real samples based on fullerene-functionalized carbon nanotubes/ionic liquid nanocomposite. *Sensors and Actuators B: Chemical*, **2017**, 240, 125-131	8.5	65

174	Influence of Nitrogen Doping on the Electrocatalytic Effect of TiO2Nanofibers. *Journal of the Electrochemical Society*, **2017**, 164, H903-H907	3.9	2
173	Enhanced electro-oxidation of urea based on nickel nanoparticle decorated reduced graphene oxide/PEDOT:PSS composite. *Scientia Iranica*, **2017**, 24, 1678-1685	1.5	2
172	Comparison of impedimetric detection of DNA hybridization on the various biosensors based on modified glassy carbon electrodes with PANHS and nanomaterials of RGO and MWCNTs. *Talanta*, **2016**, 147, 621-7	6.2	57
171	Detection of the M268T Angiotensinogen A3B2 mutation gene based on screen-printed electrodes modified with a nanocomposite: application to human genomic samples. *Mikrochimica Acta*, **2016**, 183, 219-227	5.8	8
170	Investigation of Electrochemical Oxidation of Methanol at a Carbon Paste Electrode Modified with Ni(II)-BS Complex and Reduced Graphene Oxide Nano Sheets. *Electroanalysis*, **2016**, 28, 2985-2992	3	12
169	A Ruthenium Complex/Carbon Nanotube Based Electrode as the First Electrochemical Sensor for Simultaneous Sensing of D-Penicillamine, 6-Thioguanine and Catecholamines. *Electroanalysis*, **2016**, 28, 1370-1376	3	9
168	Nano composite system based on fullerene-functionalized carbon nanotubes for simultaneous determination of levodopa and acetaminophen. *Measurement: Journal of the International Measurement Confederation*, **2016**, 91, 162-167	4.6	23
167	Development of a Carbon Paste Electrode Modified with Reduced Graphene Oxide and an Imidazole Derivative for Simultaneous Determination of Biological Species of N-acetyl-L-cysteine, Uric Acid and Dopamine. *Electroanalysis*, **2016**, 28, 1625-1633	3	12
166	A Sensitive Electrochemical Aptasensor for TNF-Based on Bimetallic Ag@Pt Core-Shell Nanoparticle Functionalized Graphene Nanostructures as Labels for Signal Amplification. *Journal of the Electrochemical Society*, **2016**, 163, B119-B124	3.9	20
165	Development of an electrode modified on the basis of carbon nanoparticles and reduced graphene oxide for simultaneous determination of isoproterenol, uric acid and tryptophan in real samples. *Journal of Electroanalytical Chemistry*, **2016**, 760, 151-157	4.1	13
164	Surface passivation of titanium dioxide via an electropolymerization method to improve the performance of dye-sensitized solar cells. *RSC Advances*, **2016**, 6, 12537-12543	3.7	6
163	An aptasensor for tetracycline using a glassy carbon modified with nanosheets of graphene oxide. *Mikrochimica Acta*, **2016**, 183, 1797-1804	5.8	37
162	Application of graphene oxide nanosheets as probe oligonucleotide immobilization platform for DNA sensing. *Journal of the Iranian Chemical Society*, **2016**, 13, 2135-2142	2	4
161	Enhanced activity for non-enzymatic glucose oxidation on nickel nanostructure supported on PEDOT:PSS. *Journal of Electroanalytical Chemistry*, **2016**, 775, 116-120	4.1	21
160	A comparative investigation for prostate cancer detection using two electrochemical biosensors based on various nanomaterials and the linker of thioglycolic acid. *Journal of Electroanalytical Chemistry*, **2016**, 778, 23-31	4.1	11
159	Synthesis and electrocatalytic effect of Ag@Pt core-shell nanoparticles supported on reduced graphene oxide for sensitive and simple label-free electrochemical aptasensor. *Biosensors and Bioelectronics*, **2015**, 74, 30-6	11.8	53
158	Simultaneous determination of hydrazine and hydroxylamine based on fullerene-functionalized carbon nanotubes/ionic liquid nanocomposite. *Sensors and Actuators B: Chemical*, **2015**, 214, 132-137	8.5	43
157	Label-free electrochemical immunosensor for detection of tumor necrosis factor based on fullerene-functionalized carbon nanotubes/ionic liquid. *Journal of Electroanalytical Chemistry*, **2015**, 757, 58-64	4.1	65

156	Electrocatalytic Properties of Vanadyl Complex in Graphite Nanocomposite and its Enhanced Electrochemical Catalysis Properties for Levodopa Oxidation. *Journal of Inorganic and Organometallic Polymers and Materials*, **2015**, 25, 1576-1581	3.2	5
155	Enhanced performance of dye-sensitized solar cells with dual-function coadsorbent: reducing the surface concentration of dye-iodine complexes concomitant with attenuated charge recombination. *Physical Chemistry Chemical Physics*, **2015**, 17, 22985-90	3.6	18
154	A nanocomposite electrocatalyst for the electro-oxidation of isoproterenol and its application as a sensor. *Chinese Journal of Catalysis*, **2015**, 36, 1273-1279	11.3	2
153	Highly-sensitive label-free immunosensor for tumor necrosis factor-α based on Ag@Pt core–shell nanoparticles supported on MWCNTs as an efficient electrocatalyst nanocomposite. *RSC Advances*, **2015**, 5, 70781-70786	3.7	22
152	Fabrication of modified glassy carbon electrode using graphene quantum dot, gold nanoparticles and 4-(((4-mercaptophenyl)imino)methyl) benzene-1,2-diol by self-assembly method and investigation of their electrocatalytic activities. *Journal of Electroanalytical Chemistry*, **2015**, 738, 113-122	4.1	43
151	A self-assembled monolayer on gold nanoparticles modified electrode for simultaneous determination of isoproterenol and uric acid. *Measurement: Journal of the International Measurement Confederation*, **2015**, 62, 88-96	4.6	16
150	Electrochemical determination of captopril in the presence of acetaminophen, tryptophan, folic acid, and l-cysteine at the surface of modified carbon nanotube paste electrode. *Ionics*, **2015**, 21, 239-250	2.7	13
149	Electrochemical deposition of gold nanoparticles on reduced graphene oxide modified glassy carbon electrode for simultaneous determination of levodopa, uric acid and folic acid. *Journal of Electroanalytical Chemistry*, **2015**, 736, 22-29	4.1	59
148	Characterization of new molecular self-assembled monolayers on gold electrode by QCM, EIS, SEM and CV techniques: application for electrocatalytic determination of dopamine in the presence of acetaminophen. *Journal of the Iranian Chemical Society*, **2015**, 12, 677-685	2	4
147	Comparison of impedimetric detection of DNA hybridization on chemically and electrochemically functionalized multi-wall carbon nanotubes modified electrode. *Sensors and Actuators B: Chemical*, **2015**, 207, 673-682	8.5	32
146	Ultrasensitive Electrochemical Immunosensor for Detection of Tumor Necrosis Factor-α Based on Functionalized MWCNT-Gold Nanoparticle/Ionic Liquid Nanocomposite. *Electroanalysis*, **2015**, 27, 2518-2526	3	30
145	A Highly Sensitive Sensor Based on Reduced Graphene Oxide, Carbon Nanotube and a Co(II) Complex Modified Carbon Paste Electrode: Simultaneous Determination of Isoprenaline, Captopril and Tryptophan. *Electroanalysis*, **2015**, 27, 2792-2799	3	10
144	Quantum-dot biosensor for hybridization and detection of R3500Q mutation of apolipoprotein B-100 gene. *Biosensors and Bioelectronics*, **2015**, 72, 362-9	11.8	9
143	Ultrasensitive DNA sensor based on gold nanoparticles/reduced graphene oxide/glassy carbon electrode. *Analytical Biochemistry*, **2015**, 484, 24-30	3.1	57
142	A highly sensitive and selective electrochemical DNA biosensor to diagnose breast cancer. *Journal of Electroanalytical Chemistry*, **2015**, 750, 57-64	4.1	62
141	Construction of a nanocomposite sensor by the modification of a carbon-paste electrode with reduced graphene oxide and a hydroquinone derivative: simultaneous determination of glutathione and penicillamine. *Analytical Methods*, **2015**, 7, 5538-5544	3.2	5
140	Simple and label-free detection of DNA hybridization on a modified graphene nanosheets electrode. *Talanta*, **2015**, 137, 80-6	6.2	32
139	Electrochemical investigation of graphene/nanoporous carbon black for supercapacitors. *Materials Science in Semiconductor Processing*, **2015**, 33, 89-93	4.3	7

138	Carbon nanotube electrochemical sensor based on and benzofuran derivative as a mediator for the determination of levodopa, acetaminophen, and tryptophan. *Ionics*, **2015**, 21, 1741-1749	2.7	22
137	Nanomolar detection limit for determination of norepinephrine in the presence of acetaminophen and tryptophan using carbon nanotube-based electrochemical sensor. *Ionics*, **2014**, 20, 431-437	2.7	7
136	Two kinds of electrochemical immunoassays for the tumor necrosis factor-α in human serum using screen-printed graphite electrodes modified with poly(anthranilic acid). *Mikrochimica Acta*, **2014**, 181, 917-924	5.8	25
135	High performance electrochemical sensor based on fullerene-functionalized carbon nanotubes/ionic liquid: Determination of some catecholamines. *Electrochemistry Communications*, **2014**, 42, 9-12	5.1	46
134	Simultaneous determination of the concentrations of isoproterenol, uric acid, and folic acid in solution using a novel nanostructure- based electrochemical sensor. *Chinese Journal of Catalysis*, **2014**, 35, 565-572	11.3	12
133	Simple and label-free electrochemical impedance Amelogenin gene hybridization biosensing based on reduced graphene oxide. *Biosensors and Bioelectronics*, **2014**, 58, 145-52	11.8	68
132	Simultaneous Determination of Isoproterenol, Acetaminophen and Folic Acid Using a Novel Nanostructure-Based Electrochemical Sensor. *Electroanalysis*, **2014**, 26, 275-284	3	23
131	Electrocatalysis of dopamine in the presence of uric acid and folic acid on modified carbon nanotube paste electrode. *Chinese Journal of Catalysis*, **2014**, 35, 201-209	11.3	20
130	Electrochemical and catalytic investigations of epinephrine, acetaminophen and folic acid at the surface of titanium dioxide nanoparticle-modified carbon paste electrode. *Ionics*, **2014**, 20, 1757-1765	2.7	12
129	A chemically modified electrode with hydroquinone derivative based on carbon nanoparticles for simultaneous determination of isoproterenol, uric acid, folic acid and tryptophan. *Analytical Methods*, **2014**, 6, 4462-4468	3.2	16
128	Application of graphene to modified ionic liquid graphite composite and its enhanced electrochemical catalysis properties for levodopa oxidation. *Sensors and Actuators B: Chemical*, **2014**, 204, 282-288	8.5	29
127	Thiocyanate ion selective electrode based on bis(N-3-methylphenyl salicylidenaminato)copper(II) ionophore. *Chinese Chemical Letters*, **2014**, 25, 1639-1642	8.1	15
126	Screen-printed electrodes for biosensing: a review (2008–2013). *Mikrochimica Acta*, **2014**, 181, 865-891	5.8	298
125	Electrochemical detection of the MT-ND6 gene and its enzymatic digestion: application in human genomic sample. *Analytical Biochemistry*, **2014**, 455, 60-4	3.1	4
124	Electrochemical immunoassay based on aptamer–protein interaction and functionalized polymer for cancer biomarker detection. *Journal of Electroanalytical Chemistry*, **2014**, 717-718, 119-124	4.1	55
123	High sensitive sensor based on functionalized carbon nanotube/ionic liquid nanocomposite for simultaneous determination of norepinephrine and serotonin. *Journal of Electroanalytical Chemistry*, **2014**, 717-718, 17-23	4.1	48
122	Preparation of Cu (II) imprinted polymer electrode and its application for potentiometric and voltammetric determination of Cu (II). *Journal of the Iranian Chemical Society*, **2014**, 11, 257-262	2	9
121	Electrocatalytic properties of functionalized carbon nanotubes with titanium dioxide and benzofuran derivative/ionic liquid for simultaneous determination of isoproterenol and serotonin. *Electrochimica Acta*, **2014**, 130, 634-641	6.7	29

120	Oxidized multiwalled carbon nanotubes for improving the electrocatalytic activity of a Schiff base modified electrode in determination of isoprenaline. *Journal of Electroanalytical Chemistry*, **2013**, 705, 75-80	4.1	23
119	Carbon nanotubes and (4-((E)-(2-methyl-4-nitrophenylimino) methyl) benzene-1,2-diol) modified glassy carbon electrode as a new electrocatalyst for oxidation of levodopa. *Catalysis Science and Technology*, **2013**, 3, 2634	5.5	1
118	Selective and Simultaneous Voltammetric Determination of Glutathione, Uric Acid and Penicillamine by a Modified Carbon Nanotube Paste Electrode. *Electroanalysis*, **2013**, 25, 2021-2029	3	31
117	An electrochemical sensor based on carbon nanotubes and a new Schiff base for selective determination of dopamine in the presence of uric acid, folic acid, and acetaminophen. *Ionics*, **2013**, 19, 1663-1671	2.7	6
116	Nano composite system based on coumarin derivative-titanium dioxide nanoparticles and ionic liquid: determination of levodopa and carbidopa in human serum and pharmaceutical formulations. *Analytica Chimica Acta*, **2013**, 798, 25-32	6.6	45
115	Electrochemical behavior of dopamine at a [1,1?-binaphthalene]-4,4?-diol-modified carbon nanotube paste electrode and the simultaneous determination of dopamine, folic acid and uric acid. *Analytical Methods*, **2013**, 5, 6982	3.2	8
114	Application of Co(II) complex multi-wall carbon nanotube modified carbon paste electrodes for electrocatalytic determination of hydroxylamine. *Analytical Methods*, **2013**, 5, 6649	3.2	19
113	Sex determination based on amelogenin DNA by modified electrode with gold nanoparticle. *Analytical Biochemistry*, **2013**, 443, 132-8	3.1	24
112	MCM/ZrO2 nanoparticles modified electrode for simultaneous and selective voltammetric determination of epinephrine and acetaminophen. *Journal of the Iranian Chemical Society*, **2013**, 10, 1-5	2	14
111	Fabrication of an electrochemical sensor based on nanostructured polyaniline doped with tungstophosphoric acid for simultaneous determination of low concentrations of norepinephrine, acetaminophen and folic acid. *Journal of Molecular Liquids*, **2013**, 178, 63-69	6	26
110	CA 125 Immunosensor Based on Poly-Anthranilic Acid Modified Screen-Printed Electrodes. *Electroanalysis*, **2013**, 25, 269-277	3	49
109	An electrochemical study of benzofuran derivative in modified electrode-based CNT/ionic liquids for determining nanomolar concentrations of hydrazine. *Electrochimica Acta*, **2013**, 103, 77-84	6.7	55
108	Label free MUC1 aptasensors based on electrodeposition of gold nanoparticles on screen printed electrodes. *Electrochemistry Communications*, **2013**, 33, 127-130	5.1	59
107	Electrocatalytic oxidation and voltammetric determination of levodopa in the presence of carbidopa at the surface of a nanostructure based electrochemical sensor. *Biosensors and Bioelectronics*, **2012**, 35, 75-81	11.8	65
106	Simultaneous determination of iodate and periodate by kinetic spectrophotometric method using principal component artificial neural network. *Journal of Analytical Chemistry*, **2012**, 67, 661-668	1.1	6
105	Detection of amplified SRY gene by a novel electrochemical biosensor based on gold nanoparticles. *Scientia Iranica*, **2012**, 19, 913-918	1.5	7
104	Impedimetric and potentiometric investigation of a sulfate anion-selective electrode: experiment and simulation. *Analytical Chemistry*, **2012**, 84, 2614-21	7.8	11
103	Application of nanosized MCM-41 to fabrication of a nanostructured electrochemical sensor for the simultaneous determination of levodopa and carbidopa. *Analyst, The*, **2012**, 137, 1950-5	5	37

102	Electrochemical Study of Catechol Derivatives in the Presence of Diketones: Synthesis of Benzofuran Derivatives. *Journal of the Electrochemical Society*, **2012**, 159, H912-H917	3.9	17
101	Determination of lead (II) ion by highly selective and sensitive lead (II) membrane electrode based on 2-(((E)-2-((E)-1-(2-hydroxyphenyl) methyliden)hydrazono)metyl)phenol. *International Journal of Environmental Analytical Chemistry*, **2012**, 92, 1638-1649	1.8	6
100	Simultaneous determination of captopril, acetaminophen and tryptophan at a modified electrode based on carbon nanotubes. *Journal of Electroanalytical Chemistry*, **2012**, 686, 12-18	4.1	40
99	Carbon nanoparticles and a new derivative of hydroquinone for modification of a carbon paste electrode for simultaneous determination of epinephrine and acetaminophen. *Analytical Methods*, **2012**, 4, 2127	3.2	33
98	Solid phase extraction of trace amounts of silver (I) using dithizone-immobilized alumina-coated magnetite nanoparticles prior to determination by flame atomic absorption spectrometry. *International Journal of Environmental Analytical Chemistry*, **2012**, 92, 1325-1340	1.8	21
97	Electrochemical sensor for simultaneous determination of norepinephrine, paracetamol and folic acid by a nanostructured mesoporous material. *Sensors and Actuators B: Chemical*, **2012**, 171-172, 380-386	8.5	64
96	Simultaneous determination of levodopa and carbidopa by a novel nanostructure modified carbon paste electrode. *Journal of the Iranian Chemical Society*, **2012**, 9, 27-34	2	18
95	Solid phase extraction of trace amounts of Pb(II) in opium, heroin, lipstick, plants and water samples using modified magnetite nanoparticles prior to its atomic absorption determination. *Journal of the Iranian Chemical Society*, **2012**, 9, 171-180	2	14
94	Digestion of restriction enzyme for the detection of single-base mismatch in DNA. *Analytical Biochemistry*, **2012**, 421, 125-9	3.1	5
93	Homogeneous and nanomolar detection of hydrazine by indigocarmine as a mediator at the surface of TiO2 nanoparticles modified carbon paste electrode. *Chinese Chemical Letters*, **2012**, 23, 213-216	8.1	9
92	Nanomolar determination of Pb (II) ions by selective templated electrode. *Journal of the Serbian Chemical Society*, **2012**, 77, 899-910	0.9	6
91	Nanomolar concentrations determination of hydrazine by a modified carbon paste electrode incorporating TiO2 nanoparticles. *Nanoscale*, **2011**, 3, 1683-9	7.7	28
90	Simultaneous and selective voltammetric determination of , and at a nanoparticles modified paste electrode. *Analytical Methods*, **2011**, 3, 673-677	3.2	34
89	Application of H-Point standard addition method and multivariate calibration methods to the simultaneous kinetic-potentiometric determination of permanganate and dichromate. *Journal of the Iranian Chemical Society*, **2011**, 8, 449-461	2	3
88	Highly selective and sensitive membrane salicylate electrode based on complex of (1,8-diamino-3,6-dioxaoctane) nickel(II). *Journal of the Brazilian Chemical Society*, **2011**, 22, 30-37	1.5	4
87	Carbon Nanotubes in Electrochemical Sensors **2011**,		8
86	Determination of silver(I) by flame atomic absorption spectrometry after separation/preconcentration using modified magnetite nanoparticles. *Scientia Iranica*, **2011**, 18, 790-796	1.5	43
85	Simultaneous determination of levodopa, carbidopa and tryptophan using nanostructured electrochemical sensor based on novel hydroquinone and carbon nanotubes: Application to the analysis of some real samples. *Electrochimica Acta*, **2011**, 56, 9113-9120	6.7	87

84	Electrocatalytic determination of chlorpromazine drug using Alizarin Red S as a mediator on the glassy carbon electrode. *Russian Journal of Electrochemistry*, **2011**, 47, 34-41	1.2	13
83	Simultaneous determination of epinephrine and uric acid at a gold electrode modified by a 2-(2,3-dihydroxy phenyl)-1, 3-dithiane self-assembled monolayer. *Journal of Electroanalytical Chemistry*, **2011**, 651, 243-249	4.1	57
82	Electropolymerization of Thin Film Conducting Polymer and Its Application for Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid. *Electroanalysis*, **2011**, 23, 2822-2831	3	49
81	Electrocatalytic determination of epinephrine and uric acid using a novel hydroquinone modified carbon paste electrode. *Chinese Chemical Letters*, **2011**, 22, 705-708	8.1	13
80	Iodide-selective polymeric membrane electrode based on copper(II) bis(N-2-bromophenylsalicyldenaminato) complex. *Chinese Chemical Letters*, **2011**, 22, 1087-1090	8.1	7
79	A highly sensitive nanostructure-based electrochemical sensor for electrocatalytic determination of norepinephrine in the presence of acetaminophen and tryptophan. *Biosensors and Bioelectronics*, **2011**, 26, 2102-6	11.8	78
78	Application of 2-(3,4-dihydroxyphenyl)-1,3-dithialone self-assembled monolayer on gold electrode as a nanosensor for electrocatalytic determination of dopamine and uric acid. *Analyst, The*, **2011**, 136, 1965-70	5	57
77	Electrocatalysis of epinephrine by TiO2 nanoparticles and 2,2?-[1,7-hepthandiylbis(nitriloethylidyne)]-bis-hydroquinone modified carbon paste electrode. *Analytical Methods*, **2011**, 3, 2328	3.2	9
76	Application of principal component-wavelet neural network in spectrophotometric determination of acidity constants of 4-(2-thiazolylazo)-resorcinol. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 1380-5	4.4	13
75	Fabrication and characterization of molybdenum(VI)complex-TiO2 nanoparticles modified electrode for the electrocatalytic determination of L-cysteine. *Journal of the Serbian Chemical Society*, **2011**, 76, 575-589	0.9	3
74	Preparation and electrochemical application of rutin biosensor for differential pulse voltammetric determination of NADH in the presence of acetaminophen. *Journal of the Serbian Chemical Society*, **2010**, 75, 1421-1434	0.9	1
73	Voltammetric determination of hydroxylamine at the surface of a quinizarine/TiO2 nanoparticles-modified carbon paste electrode. *Analytical Methods*, **2010**, 2, 1764	3.2	21
72	2,2?-(1,3-Propanediylbisnitriloethylidine)bis-hydroquinone/TiO2 nanoparticles modified carbon paste electrode for selective determination of dopamine in the presence of uric acid and tryptophan. *Analytical Methods*, **2010**, 2, 1078	3.2	9
71	Determination of Ascorbic Acid in the Presence of Uric Acid and Folic Acid by a Nanostructured Electrochemical Sensor Based on a TiO2 Nanoparticle Carbon Paste Electrode. *Analytical Letters*, **2010**, 43, 2618-2630	2.2	5
70	Electrocatalytic oxidation of dopamine on 2,2?-[3,6-dioxa-1,8-octanediylbis(nitriloethylidyne)]-bis-hydroquinone modified carbon paste electrode. *Analytical Methods*, **2010**, 2, 149-153	3.2	16
69	Selective determination of cysteine in the presence of tryptophan by carbon paste electrode modified with quinizarine. *Journal of the Iranian Chemical Society*, **2010**, 7, 251-259	2	19
68	Nanomolar determination of hydrazine by TiO2 nanoparticles modified carbon paste electrode. *Journal of Solid State Electrochemistry*, **2010**, 14, 2285-2292	2.6	21
67	Electrocatalytic oxidation of hydrazine with alizarin red S as a homogenous mediator on the glassy carbon electrode. *Science China Chemistry*, **2010**, 53, 1195-1201	7.9	7

66	Selective voltammetric determination of d-penicillamine in the presence of tryptophan at a modified carbon paste electrode incorporating TiO2 nanoparticles and quinizarine. *Journal of Electroanalytical Chemistry*, **2010**, 644, 1-6	4.1	55
65	New strategy for simultaneous and selective voltammetric determination of norepinephrine, acetaminophen and folic acid using ZrO2 nanoparticles-modified carbon paste electrode. *Sensors and Actuators B: Chemical*, **2010**, 151, 243-249	8.5	177
64	Novel nanostructure electrochemical sensor for electrocatalytic determination of norepinephrine in the presence of high concentrations of acetaminophene and folic acid. *Applied Catalysis A: General*, **2010**, 378, 195-201	5.1	76
63	Spectrophotometric determination of acidity constants of 4-(2?Ethiazolylazo)- resorcinol (TAR) in waterBorganic mixtures. *Chinese Chemical Letters*, **2010**, 21, 725-729	8.1	4
62	Electrochemical determination of vitamin C in the presence of uric acid by a novel TiO2 nanoparticles modified carbon paste electrode. *Chinese Chemical Letters*, **2010**, 21, 1471-1474	8.1	27
61	Simultaneous determination of epinephrine and acetaminophen concentrations using a novel carbon paste electrode prepared with 2,2R[1,2 butanediylbis(nitriloethylidyne)]-bis-hydroquinone and TiO(2) nanoparticles. *Colloids and Surfaces B: Biointerfaces*, **2010**, 76, 82-7	6	63
60	Subnanomolar Determination of Indium by Adsorptive Stripping Differential Pulse Voltammetry Using Factorial Design for Optimization. *Analytical Letters*, **2009**, 42, 2430-2443	2.2	12
59	Spectrophotometric determination of the acidity constants of calcon in water and mixed water-organic solvents. *Journal of the Serbian Chemical Society*, **2009**, 74, 159-169	0.9	
58	Electrochemical characterization of 2, 2?-[1, 2-ethanediylbis (nitriloethylidyne)]-bis-hydroquinone-carbon nanotube paste electrode and its application to simultaneous voltammetric determination of ascorbic acid and uric acid. *Journal of Solid State Electrochemistry*, **2009**, 13, 353-363	2.6	53
57	Fabrication of modified TiO2 nanoparticle carbon paste electrode for simultaneous determination of dopamine, uric acid, and l-cysteine. *Journal of Solid State Electrochemistry*, **2009**, 13, 1433-1440	2.6	45
56	Electrocatalytic oxidation of ascorbic acid at a 2,2?-(1,8-octanediylbisnitriloethylidine)-bis-hydroquinone modified carbon paste electrode. *Journal of Applied Electrochemistry*, **2009**, 39, 1117-1124	2.6	9
55	Electrochemical and catalytic investigations of dopamine and uric acid by modified carbon nanotube paste electrode. *Bioelectrochemistry*, **2009**, 75, 1-8	5.6	122
54	Individual and simultaneous determinations of phenothiazine drugs using PCR, PLS and (OSC)-PLS multivariate calibration methods. *Journal of the Serbian Chemical Society*, **2008**, 73, 233-247	0.9	10
53	Application of H-point standard addition method and partial least squares to the simultaneous kinetic-potentiometric determination of hydrazine and phenylhydrazine. *Analytical Sciences*, **2008**, 24, 261-6	1.7	7
52	Electrochemical behavior of ascorbic acid at a 2,2R[3,6-Dioxa-1,8-octanediylbis(nitriloethylidyne)]-bis-hydroquinone carbon paste electrode. *Analytical Sciences*, **2008**, 24, 1039-44	1.7	54
51	Solid phase extraction of copper (II) by sorption on octadecyl silica membrane disk modified with a new Schiff base and determination with atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2008**, 63, 885-888	3.1	102
50	Flame atomic absorption spectrometric determination of g amounts of Fe (III) ions after solid phase extraction using modified octadecyl silica membrane disks. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2008**, 63, 889-892	3.1	23
49	Electrocatalytic determination of hydroxylamine with alizarin red S as a homogenous mediator on the glassy carbon electrode. *Sensors and Actuators B: Chemical*, **2008**, 132, 52-59	8.5	44

48	Electrocatalytic oxidation and nanomolar determination of guanine at the surface of a molybdenum (VI) complex TiO2 nanoparticle modified carbon paste electrode. *Journal of Electroanalytical Chemistry*, **2008**, 624, 73-78	4.1	58
47	Novel 2,2R[1,2-ethanediylbis(nitriloethylidyne)]-bis-hydroquinone double-wall carbon nanotube paste electrode for simultaneous determination of epinephrine, uric acid and folic acid. *Biosensors and Bioelectronics*, **2008**, 24, 362-8	11.8	172
46	The complex (2,3;6,7;10,11;14,15-tetraphenyl-4,9,13,16-tetraoxo-1,5,8,12-tetraazacyclohexadecane) copper(II) as a carrier for a salicylate-sensitive poly(vinylchloride) membrane electrode. *Russian Journal of Electrochemistry*, **2008**, 44, 1065-1072	1.2	1
45	Accumulation and voltammetric determination of cobalt at zeolite-modified electrodes. *Journal of Analytical Chemistry*, **2008**, 63, 184-191	1.1	9
44	Potentiometric coated wire electrode for salicylate based on zinc(II) acetylacetonate. *Journal of the Brazilian Chemical Society*, **2007**, 18, 782-788	1.5	6
43	Electrocatalytic Reduction of Dioxygen on the Surface of Glassy Carbon Electrodes Modified with Cobalt Porphyrin Complexes. *Electroanalysis*, **2007**, 19, 2258-2263	3	9
42	Estimation of homogeneous rate constants of reaction of electrochemically generated ortho-benzoquinones with 1,3-indandione. *International Journal of Chemical Kinetics*, **2007**, 39, 605-613	1.4	3
41	Electrocatalytic hydrazine oxidation on quinizarine modified glassy carbon electrode. *Electrochimica Acta*, **2007**, 52, 6118-6124	6.7	53
40	Electrocatalytic oxidation of hydroxylamine at a rutin multi-wall carbon nanotubes modified glassy carbon electrode: Improvement of the catalytic activity. *Sensors and Actuators B: Chemical*, **2007**, 126, 641-647	8.5	52
39	Electrocatalytic reduction of oxygen on the surface of glassy carbon electrodes modified with plumbagin. *Mikrochimica Acta*, **2007**, 159, 165-173	5.8	8
38	Electrochemical behavior of electrodeposited rutin film on a multi-wall carbon nanotubes modified glassy carbon electrode. Improvement of the electrochemical reversibility and its application as a hydrazine sensor. *Journal of Solid State Electrochemistry*, **2007**, 11, 971-979	2.6	38
37	Electrocatalytic oxidation of cysteine by quinizarine at glassy carbon electrode. *Sensors and Actuators B: Chemical*, **2007**, 123, 763-768	8.5	25
36	Simultaneous Kinetic-Spectrophotometric Determination of Hydrazine and its Derivatives by Partial Least Squares and Principle Component Regression Methods. *Journal of the Chinese Chemical Society*, **2007**, 54, 15-21	1.5	5
35	Potentiometric determination of monohydrogen arsenate by zeolite-modified carbon-paste electrode. *International Journal of Environmental Analytical Chemistry*, **2007**, 87, 285-294	1.8	5
34	Electrochemical properties and electrocatalytic activity of hematoxylin modified carbon paste electrode toward the oxidation of reduced nicotinamide adenine dinucleotide (NADH). *Sensors and Actuators B: Chemical*, **2006**, 120, 288-294	8.5	54
33	Highly selective oxalate-membrane electrode based on 2,2R[1,4-butandiyle bis(nitrilo propylidine)]bis-1-naphtholato copper(II). *Biosensors and Bioelectronics*, **2006**, 21, 1156-62	11.8	13
32	Chemical Composition of the Essential Oil from Aerial Parts, Leaves, Flowers and Roots of Artemisia persica Boiss. from Iran. *Journal of Essential Oil Research*, **2006**, 18, 544-547	2.3	10
31	Spectrophotometric Determination of Acidity Constants of Alizarine Red S in Mixed Aqueous Organic Solvents. *Journal of Chemical & Engineering Data*, **2006**, 51, 1530-1535	2.8	17

30	Thiocyanate ion-selective PVC membrane electrode based on N,NRethylene-bis(4-methylsalicylidineiminato)nickel(II). *Analytical Sciences*, **2006**, 22, 1221-6	1.7	12
29	Sulfate-selective electrode based on a complex of copper. *Analytical Sciences*, **2006**, 22, 673-8	1.7	2
28	Bis(2-hydroxyacetophenone)ethylenediimine as a neutral carrier in a coated-wire membrane electrode for lead(II). *Analytical Sciences*, **2006**, 22, 865-70	1.7	14
27	Electrochemical evaluation of coumestan modified carbon paste electrode: Study on its application as a NADH biosensor in presence of uric acid. *Sensors and Actuators B: Chemical*, **2006**, 114, 610-617	8.5	41
26	Electrocatalytic characteristics of uric acid oxidation at graphite–zeolite-modified electrode doped with iron (III). *Journal of Electroanalytical Chemistry*, **2006**, 586, 31-38	4.1	85
25	Voltammetric studies of an oracet blue modified glassy carbon electrode and its application for the simultaneous determination of dopamine, ascorbic acid and uric acid. *Journal of Electroanalytical Chemistry*, **2006**, 589, 60-69	4.1	148
24	Highly selective thiocyanate membrane electrode based on butane-2,3-dione bis(salicylhydrazonato)zinc(II) complex. *Talanta*, **2005**, 66, 837-43	6.2	32
23	Lead ion-selective electrode prepared by sol–gel and PVC membrane techniques. *Sensors and Actuators B: Chemical*, **2005**, 107, 438-445	8.5	37
22	Electrochemical properties of a tetrabromo-p-benzoquinone modified carbon paste electrode. Application to the simultaneous determination of ascorbic acid, dopamine and uric acid. *Journal of Electroanalytical Chemistry*, **2005**, 577, 25-33	4.1	208
21	Norepinephrine-modified glassy carbon electrode for the simultaneous determination of ascorbic acid and uric acid. *Electrochimica Acta*, **2005**, 50, 3495-3502	6.7	78
20	Salicylate poly(vinyl chloride) membrane electrode based on (2-[(E)-2-(4-nitrophenyl) hydrazono]-1-phenyl-2-(2-quinolyl)-1-ethanone) Cu(II). *Analytical Biochemistry*, **2005**, 341, 259-66	3.1	10
19	Perchlorate-selective membrane electrode based on a new complex of uranil. *Analytical and Bioanalytical Chemistry*, **2005**, 381, 1186-92	4.4	17
18	Novel Coated-Wire Membrane Sensor Based on Bis(Acetylacetonato) Cadmium(II) for the Determination of Chromate Ions. *Mikrochimica Acta*, **2005**, 150, 67-72	5.8	12
17	Iodide-selective membrane electrode based on salophen complex of cobalt (III). *Journal of the Brazilian Chemical Society*, **2005**, 16, 571-577	1.5	19
16	Lead-Selective Poly(vinyl chloride) Membrane Electrode Based on 1-Phenyl-2-(2-quinolyl)-1,2-dioxo-2-(4-bromo) phenylhydrazone. *Bulletin of the Korean Chemical Society*, **2005**, 26, 51-56	1.2	17
15	A copper ion-selective electrode with high selectivity prepared by sol-gel and coated wire techniques. *Analytical and Bioanalytical Chemistry*, **2004**, 378, 1659-65	4.4	24
14	A highly selective nitrate electrode based on a tetramethyl cyclotetra-decanato-nickel(II) complex. *Journal of Electroanalytical Chemistry*, **2004**, 568, 1-6	4.1	16
13	Selective nitrate poly(vinylchloride) membrane electrode based on bis(2-hydroxyacetophenone)ethylenediimine vanadyl (IV). *Sensors and Actuators B: Chemical*, **2004**, 101, 302-307	8.5	14

12	Novel selective thiocyanate PVC membrane electrode based on new Schiff base complex of 2.2-[(1,3-dimethyl-1,3-propanediylidene)dinitrilo]bis-benzenethiolato cadmium(II). *New Journal of Chemistry*, **2004**, 28, 595	3.6	11
11	Potentiometric determination of silver(I) by selective membrane electrode based on derivative of porphyrin. *Analytical Sciences*, **2004**, 20, 1667-72	1.7	24
10	Coated wire silver-ion selective electrode based on a N,NRbis(2-thienylmethylene)-1,2-diaminobenzene. *Analytical Sciences*, **2004**, 20, 815-9	1.7	8
9	Silver(I)-selective coated-wire electrode based on an octahydroxycalix[4]arene derivative. *Analytical Sciences*, **2003**, 19, 1187-90	1.7	10
8	Optimization of gas chromatography using short glass capillary column with mass spectrometry for identification and evaluation of commercial heavy alkylbenzene structures. *Analytical and Bioanalytical Chemistry*, **2003**, 375, 1212-20	4.4	3
7	Highly selective lead(II) coated-wire electrode based on a new Schiff base. *Sensors and Actuators B: Chemical*, **2003**, 96, 441-445	8.5	48
6	Highly selective copper membrane electrode using C-p-nitrophenyl-N-phenylnitrone. *New Journal of Chemistry*, **2003**, 27, 1140	3.6	2
5	Silver-Selective Coated-Wire Electrode Based on Resorc[4]arene Neutral Carrier. *Electroanalysis*, **2002**, 14, 376-381	3	19
4	Coated-wire copper(II)-selective electrode based on phenylglyoxal-alpha-monoxime ionophore. *Analytical and Bioanalytical Chemistry*, **2002**, 372, 718-22	4.4	19
3	Pentacyclooctaaza as a neutral carrier in coated-wire ion-selective electrode for nickel(II). *Sensors and Actuators B: Chemical*, **2002**, 82, 259-264	8.5	35
2	Selective thiocyanate poly(vinyl chloride) membrane based on a 1,8-dibenzyl-1,3,6,8,10,13-hexaazacyclotetradecaneNi(II) perchlorate. *Analytica Chimica Acta*, **2002**, 462, 25-30	6.6	46
1	Mercury selective membrane electrodes using 2-mercaptobenzimidazole, 2-mercaptobenzothiazole, and hexathiacyclooctadecane carriers. *Sensors and Actuators B: Chemical*, **2000**, 63, 80-85	8.5	82