

Mohammad Mazloum-Ardakani

List of Publications by Year in descending order

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231
papers

7,828
citations

38738

50
h-index

76898

74
g-index

232
all docs

232
docs citations

232
times ranked

6726
citing authors

#	ARTICLE	IF	CITATIONS
1	Screen-printed electrodes for biosensing: a review (2008–2013). <i>Mikrochimica Acta</i> , 2014, 181, 865-891.	5.0	387
2	Electrochemical properties of a tetrabromo-p-benzoquinone modified carbon paste electrode. Application to the simultaneous determination of ascorbic acid, dopamine and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2005, 577, 25-33.	3.8	239
3	New strategy for simultaneous and selective voltammetric determination of norepinephrine, acetaminophen and folic acid using ZrO ₂ nanoparticles-modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 243-249.	7.8	203
4	Novel 2,2'-[1,2-ethanediylbis(nitriloethylidene)]-bis-hydroquinone double-wall carbon nanotube paste electrode for simultaneous determination of epinephrine, uric acid and folic acid. <i>Biosensors and Bioelectronics</i> , 2008, 24, 362-368.	10.1	202
5	Voltammetric studies of an oracet blue modified glassy carbon electrode and its application for the simultaneous determination of dopamine, ascorbic acid and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2006, 589, 60-69.	3.8	167
6	Electrochemical and catalytic investigations of dopamine and uric acid by modified carbon nanotube paste electrode. <i>Bioelectrochemistry</i> , 2009, 75, 1-8.	4.6	143
7	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. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 885-888.	2.9	124
8	Greener, Nonhalogenated Solvent Systems for Highly Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800177.	19.5	106
9	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. <i>Electrochimica Acta</i> , 2011, 56, 9113-9120.	5.2	101
10	Latest Trends in Electrochemical Sensors for Neurotransmitters: A Review. <i>Sensors</i> , 2019, 19, 2037.	3.8	92
11	Mercury selective membrane electrodes using 2-mercaptobenzimidazole, 2-mercaptobenzothiazole, and hexathiacyclooctadecane carriers. <i>Sensors and Actuators B: Chemical</i> , 2000, 63, 80-85.	7.8	90
12	Norepinephrine-modified glassy carbon electrode for the simultaneous determination of ascorbic acid and uric acid. <i>Electrochimica Acta</i> , 2005, 50, 3495-3502.	5.2	89
13	Electrocatalytic characteristics of uric acid oxidation at graphite-zeolite-modified electrode doped with iron (III). <i>Journal of Electroanalytical Chemistry</i> , 2006, 586, 31-38.	3.8	89
14	A highly sensitive nanostructure-based electrochemical sensor for electrocatalytic determination of norepinephrine in the presence of acetaminophen and tryptophan. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2102-2106.	10.1	88
15	Novel nanostructure electrochemical sensor for electrocatalytic determination of norepinephrine in the presence of high concentrations of acetaminophene and folic acid. <i>Applied Catalysis A: General</i> , 2010, 378, 195-201.	4.3	87
16	Electrocatalytic oxidation and voltammetric determination of levodopa in the presence of carbidopa at the surface of a nanostructure based electrochemical sensor. <i>Biosensors and Bioelectronics</i> , 2012, 35, 75-81.	10.1	82
17	Electrochemical characterization of 2,2'-[1,2-ethanediylbis(nitriloethylidene)]-bis-hydroquinone-carbon nanotube paste electrode and its application to simultaneous voltammetric determination of ascorbic acid and uric acid. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 353-363.	2.5	80
18	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. <i>Analyst</i> , 2011, 136, 1965.	3.5	80

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19	A highly sensitive and selective electrochemical DNA biosensor to diagnose breast cancer. <i>Journal of Electroanalytical Chemistry</i> , 2015, 750, 57-64.	3.8	77
20	Electrocatalytic oxidation and nanomolar determination of guanine at the surface of a molybdenum (VI) complexed TiO ₂ nanoparticle modified carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2008, 624, 73-78.	3.8	76
21	Electrochemical sensor for simultaneous determination of norepinephrine, paracetamol and folic acid by a nanostructured mesoporous material. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 380-386.	7.8	76
22	Simple and label-free electrochemical impedance Amelogenin gene hybridization biosensing based on reduced graphene oxide. <i>Biosensors and Bioelectronics</i> , 2014, 58, 145-152.	10.1	76
23	Electrochemical Behavior of Ascorbic Acid at a 2,2'-[3,6-Dioxo-1,8-octanediy]bis(nitriloethylidene)-bis-hydroquinone Carbon Paste Electrode. <i>Analytical Sciences</i> , 2008, 24, 1039-1044.	1.6	75
24	Label free MUC1 aptasensors based on electrodeposition of gold nanoparticles on screen printed electrodes. <i>Electrochemistry Communications</i> , 2013, 33, 127-130.	4.7	75
25	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. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 101, 183-189.	5.0	75
26	Electrochemical determination of diazepam in real samples based on fullerene-functionalized carbon nanotubes/ionic liquid nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 125-131.	7.8	74
27	Carbon Nanoparticles in High Performance Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702719.	19.5	74
28	Selective voltammetric determination of d-penicillamine in the presence of tryptophan at a modified carbon paste electrode incorporating TiO ₂ nanoparticles and quinizarine. <i>Journal of Electroanalytical Chemistry</i> , 2010, 644, 1-6.	3.8	73
29	Simultaneous determination of epinephrine and acetaminophen concentrations using a novel carbon paste electrode prepared with 2,2'-[1,2 butanediyl]bis(nitriloethylidene)-bis-hydroquinone and TiO ₂ nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 82-87.	5.0	73
30	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. <i>Journal of Electroanalytical Chemistry</i> , 2011, 651, 243-249.	3.8	72
31	Label-free electrochemical immunosensor for detection of tumor necrosis factor α based on fullerene-functionalized carbon nanotubes/ionic liquid. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 58-64.	3.8	71
32	Electrochemical deposition of gold nanoparticles on reduced graphene oxide modified glassy carbon electrode for simultaneous determination of levodopa, uric acid and folic acid. <i>Journal of Electroanalytical Chemistry</i> , 2015, 736, 22-29.	3.8	70
33	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. <i>Talanta</i> , 2016, 147, 621-627.	5.5	69
34	Electrochemical cytosensors for detection of breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111984.	10.1	69
35	An electrochemical study of benzofuran derivative in modified electrode-based CNT/ionic liquids for determining nanomolar concentrations of hydrazine. <i>Electrochimica Acta</i> , 2013, 103, 77-84.	5.2	68
36	Ultrasensitive DNA sensor based on gold nanoparticles/reduced graphene oxide/glassy carbon electrode. <i>Analytical Biochemistry</i> , 2015, 484, 24-30.	2.4	68

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37	Electrocatalytic oxidation of hydroxylamine at a rutin multi-wall carbon nanotubes modified glassy carbon electrode: Improvement of the catalytic activity. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 641-647.	7.8	65
38	Electrochemical immunoassay based on aptamer-protein interaction and functionalized polymer for cancer biomarker detection. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 119-124.	3.8	65
39	Enhanced performance of label-free electrochemical immunosensor for carbohydrate antigen 15-3 based on catalytic activity of cobalt sulfide/graphene nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 580-587.	7.8	65
40	Electrocatalytic hydrazine oxidation on quinizarine modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2007, 52, 6118-6124.	5.2	64
41	Synthesis and electrocatalytic effect of Ag@Pt core-shell nanoparticles supported on reduced graphene oxide for sensitive and simple label-free electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2015, 74, 30-36.	10.1	63
42	Electrochemical properties and electrocatalytic activity of hematoxylin modified carbon paste electrode toward the oxidation of reduced nicotinamide adenine dinucleotide (NADH). <i>Sensors and Actuators B: Chemical</i> , 2006, 120, 288-294.	7.8	60
43	CA...125 Immunosensor Based on Poly-Anthranilic Acid Modified Screen-Printed Electrodes. <i>Electroanalysis</i> , 2013, 25, 269-277.	2.9	58
44	High sensitive sensor based on functionalized carbon nanotube/ionic liquid nanocomposite for simultaneous determination of norepinephrine and serotonin. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 17-23.	3.8	58
45	Fabrication of an ultrasensitive and selective electrochemical aptasensor to detect carcinoembryonic antigen by using a new nanocomposite. <i>Biosensors and Bioelectronics</i> , 2019, 129, 1-6.	10.1	56
46	Highly selective lead(II) coated-wire electrode based on a new Schiff base. <i>Sensors and Actuators B: Chemical</i> , 2003, 96, 441-445.	7.8	55
47	Fabrication of modified TiO ₂ nanoparticle carbon paste electrode for simultaneous determination of dopamine, uric acid, and l-cysteine. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1433-1440.	2.5	55
48	Electropolymerization of Thin Film Conducting Polymer and Its Application for Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid. <i>Electroanalysis</i> , 2011, 23, 2822-2831.	2.9	53
49	High performance electrochemical sensor based on fullerene-functionalized carbon nanotubes/ionic liquid: Determination of some catecholamines. <i>Electrochemistry Communications</i> , 2014, 42, 9-12.	4.7	53
50	Enhance the performance of iron oxide nanoparticles in supercapacitor applications through internal contact of $\text{Fe}_2\text{O}_3/\text{CeO}_2$ core-shell. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152949.	5.5	53
51	Selective thiocyanate poly(vinyl chloride) membrane based on a 1,8-dibenzyl-1,3,6,8,10,13-hexaazacyclotetradecane-Ni(II) perchlorate. <i>Analytica Chimica Acta</i> , 2002, 462, 25-30.	5.4	52
52	Nano composite system based on coumarin derivative-titanium dioxide nanoparticles and ionic liquid: Determination of levodopa and carbidopa in human serum and pharmaceutical formulations. <i>Analytica Chimica Acta</i> , 2013, 798, 25-32.	5.4	52
53	Simultaneous determination of hydrazine and hydroxylamine based on fullerene-functionalized carbon nanotubes/ionic liquid nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 132-137.	7.8	52
54	Electrocatalytic determination of hydroxylamine with alizarin red S as a homogenous mediator on the glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 52-59.	7.8	50

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55	Determination of silver(I) by flame atomic absorption spectrometry after separation/preconcentration using modified magnetite nanoparticles. <i>Scientia Iranica</i> , 2011, 18, 790-796.	0.4	50
56	Electrochemical evaluation of coumestan modified carbon paste electrode: Study on its application as a NADH biosensor in presence of uric acid. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 610-617.	7.8	49
57	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. <i>Journal of Electroanalytical Chemistry</i> , 2015, 738, 113-122.	3.8	49
58	MXene-based cytosensor for the detection of HER2-positive cancer cells using CoFe ₂ O ₄ @Ag magnetic nanohybrids conjugated to the HB5 aptamer. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113626.	10.1	47
59	An aptasensor for tetracycline using a glassy carbon modified with nanosheets of graphene oxide. <i>Mikrochimica Acta</i> , 2016, 183, 1797-1804.	5.0	46
60	Simultaneous determination of captopril, acetaminophen and tryptophan at a modified electrode based on carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 686, 12-18.	3.8	44
61	Lead ion-selective electrode prepared by sol-gel and PVC membrane techniques. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 438-445.	7.8	42
62	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. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 971-979.	2.5	42
63	Pentacyclooctaza as a neutral carrier in coated-wire ion-selective electrode for nickel(II). <i>Sensors and Actuators B: Chemical</i> , 2002, 82, 259-264.	7.8	41
64	Simultaneous and selective voltammetric determination of epinephrine, acetaminophen and folic acid at a ZrO ₂ nanoparticles modified carbon paste electrode. <i>Analytical Methods</i> , 2011, 3, 673.	2.7	40
65	Application of nanosized MCM-41 to fabrication of a nanostructured electrochemical sensor for the simultaneous determination of levodopa and carbidopa. <i>Analyst</i> , 2012, 137, 1950.	3.5	39
66	Comparison of impedimetric detection of DNA hybridization on chemically and electrochemically functionalized multi-wall carbon nanotubes modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 673-682.	7.8	39
67	A new composite consisting of electrosynthesized conducting polymers, graphene sheets and biosynthesized gold nanoparticles for biosensing acute lymphoblastic leukemia. <i>Bioelectrochemistry</i> , 2018, 121, 38-45.	4.6	39
68	Simple and label-free detection of DNA hybridization on a modified graphene nanosheets electrode. <i>Talanta</i> , 2015, 137, 80-86.	5.5	38
69	Reducing Surface Recombination by a Poly(4-vinylpyridine) Interlayer in Perovskite Solar Cells with High Open-Circuit Voltage and Efficiency. <i>ACS Omega</i> , 2018, 3, 5038-5043.	3.5	38
70	Nickel nitride nanoparticles as efficient electrocatalyst for effective electro-oxidation of ethanol and methanol in alkaline media. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 229, 201-205.	3.5	37
71	Electrocatalytic degradation of dibenzoazepine drugs by fluorine doped β -PbO ₂ electrode: New insight into the electrochemical oxidation and mineralization mechanisms. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114037.	3.8	37
72	Electrocatalytic properties of functionalized carbon nanotubes with titanium dioxide and benzofuran derivative/ionic liquid for simultaneous determination of isoproterenol and serotonin. <i>Electrochimica Acta</i> , 2014, 130, 634-641.	5.2	36

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73	Metal oxide-based gas sensors for the detection of exhaled breath markers. <i>Medical Devices & Sensors</i> , 2021, 4, e10161.	2.7	36
74	Selective and Simultaneous Voltammetric Determination of Glutathione, Uric Acid and Penicillamine by a Modified Carbon Nanotube Paste Electrode. <i>Electroanalysis</i> , 2013, 25, 2021-2029.	2.9	35
75	Highly selective thiocyanate membrane electrode based on butane-2,3-dione bis(salicylhydrazonato)zinc(II) complex. <i>Talanta</i> , 2005, 66, 837-843.	5.5	34
76	Carbon nanoparticles and a new derivative of hydroquinone for modification of a carbon paste electrode for simultaneous determination of epinephrine and acetaminophen. <i>Analytical Methods</i> , 2012, 4, 2127.	2.7	34
77	Nanomolar concentrations determination of hydrazine by a modified carbon paste electrode incorporating TiO ₂ nanoparticles. <i>Nanoscale</i> , 2011, 3, 1683.	5.6	33
78	Ultrasensitive Electrochemical Immunosensor for Detection of Tumor Necrosis Factor- α Based on Functionalized MWCNT-Gold Nanoparticle/Ionic Liquid Nanocomposite. <i>Electroanalysis</i> , 2015, 27, 2518-2526.	2.9	33
79	Synthesis of a porous interconnected nitrogen-doped graphene aerogel matrix incorporated with ytterbium oxide nanoparticles and its application in superior symmetric supercapacitors. <i>Electrochimica Acta</i> , 2019, 306, 480-488.	5.2	33
80	Electrochemical determination of vitamin C in the presence of uric acid by a novel TiO ₂ nanoparticles modified carbon paste electrode. <i>Chinese Chemical Letters</i> , 2010, 21, 1471-1474.	9.0	32
81	Application of bifunctional photoanode materials in DSSCs: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110249.	16.4	32
82	Application of graphene to modified ionic liquid graphite composite and its enhanced electrochemical catalysis properties for levodopa oxidation. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 282-288.	7.8	31
83	Advances in aptasensor technology. <i>Advances in Clinical Chemistry</i> , 2020, 99, 237-279.	3.7	31
84	A copper ion-selective electrode with high selectivity prepared by sol-gel and coated wire techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1659-1665.	3.7	30
85	Nanomolar determination of hydrazine by TiO ₂ nanoparticles modified carbon paste electrode. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 2285-2292.	2.5	30
86	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. <i>Journal of Molecular Liquids</i> , 2013, 178, 63-69.	4.9	29
87	Two kinds of electrochemical immunoassays for the tumor necrosis factor- α in human serum using screen-printed graphite electrodes modified with poly(anthranilic acid). <i>Mikrochimica Acta</i> , 2014, 181, 917-924.	5.0	29
88	Voltammetric determination of hydroxylamine at the surface of a quinizarine/TiO ₂ nanoparticles-modified carbon paste electrode. <i>Analytical Methods</i> , 2010, 2, 1764.	2.7	28
89	Oxidized multiwalled carbon nanotubes for improving the electrocatalytic activity of a Schiff base modified electrode in determination of isoprenaline. <i>Journal of Electroanalytical Chemistry</i> , 2013, 705, 75-80.	3.8	28
90	Simultaneous Determination of Isoproterenol, Acetaminophen and Folic Acid Using a Novel Nanostructure-Based Electrochemical Sensor. <i>Electroanalysis</i> , 2014, 26, 275-284.	2.9	28

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91	Selective determination of cysteine in the presence of tryptophan by carbon paste electrode modified with quinizarine. <i>Journal of the Iranian Chemical Society</i> , 2010, 7, 251-259.	2.2	27
92	Enhanced activity for non-enzymatic glucose oxidation on nickel nanostructure supported on PEDOT:PSS. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 116-120.	3.8	27
93	Nano composite system based on fullerene-functionalized carbon nanotubes for simultaneous determination of levodopa and acetaminophen. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 91, 162-167.	5.0	27
94	Potentiometric Determination of Silver(I) by Selective Membrane Electrode Based on Derivative of Porphyrin. <i>Analytical Sciences</i> , 2004, 20, 1667-1672.	1.6	26
95	Electrocatalytic oxidation of cysteine by quinizarine at glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 763-768.	7.8	26
96	Flame atomic absorption spectrometric determination of $1/4$ g amounts of Fe (III) ions after solid phase extraction using modified octadecyl silica membrane disks. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 889-892.	2.9	26
97	Sex determination based on amelogenin DNA by modified electrode with gold nanoparticle. <i>Analytical Biochemistry</i> , 2013, 443, 132-138.	2.4	25
98	Carbon nanotube electrochemical sensor based on and benzofuran derivative as a mediator for the determination of levodopa, acetaminophen, and tryptophan. <i>Ionics</i> , 2015, 21, 1741-1749.	2.4	25
99	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. <i>RSC Advances</i> , 2015, 5, 70781-70786.	3.6	24
100	A self-assembled monolayer on gold nanoparticles modified electrode for simultaneous determination of isoproterenol and uric acid. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 62, 88-96.	5.0	24
101	Coated-wire copper(II)-selective electrode based on phenylglyoxal- α -monoxime ionophore. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 718-722.	3.7	23
102	Solid phase extraction of trace amounts of silver (I) using dithizone-immobilized alumina-coated magnetite nanoparticles prior to determination by flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1325-1340.	3.3	23
103	Enhanced performance of dye-sensitized solar cells with dual-function coadsorbent: reducing the surface concentration of dye-iodine complexes concomitant with attenuated charge recombination. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22985-22990.	2.8	23
104	Arginine-functionalized graphene oxide for green and high-performance symmetric supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30219-30229.	7.1	23
105	Silver-Selective Coated-Wire Electrode Based on Resorc[4]arene Neutral Carrier. <i>Electroanalysis</i> , 2002, 14, 376-381.	2.9	22
106	Perchlorate-selective membrane electrode based on a new complex of uranyl. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1186-1192.	3.7	22
107	Iodide-selective membrane electrode based on salophen complex of cobalt (III). <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 571-577.	0.6	22
108	Application of Co(II) complex multi-wall carbon nanotube modified carbon paste electrodes for electrocatalytic determination of hydroxylamine. <i>Analytical Methods</i> , 2013, 5, 6649.	2.7	22

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109	A Sensitive Electrochemical Aptasensor for TNF- α 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.	2.9	22
110	Fabrication of a high-performance hybrid supercapacitor using a modified graphene aerogel/cerium oxide nanoparticle composite. Journal of Energy Storage, 2019, 26, 100998.	8.1	22
111	Simultaneous determination of levodopa and carbidopa by a novel nanostructure modified carbon paste electrode. Journal of the Iranian Chemical Society, 2012, 9, 27-34.	2.2	21
112	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.	10.1	21
113	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.	1.9	21
114	Spectrophotometric Determination of Acidity Constants of Alizarine Red S in Mixed Aqueous-Organic Solvents. Journal of Chemical & Engineering Data, 2006, 51, 1530-1535.	1.9	20
115	Electrocatalytic oxidation of dopamine on 2,2 α -[3,6-dioxo-1,8-octanediy]bis(nitriloethylidene)-bis-hydroquinone modified carbon paste electrode. Analytical Methods, 2010, 2, 149-153.	2.7	20
116	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.	14.0	20
117	Recent advancements in compact layer development for perovskite solar cells. Heliyon, 2018, 4, e00912.	3.2	20
118	Improving the effective photovoltaic performance in dye-sensitized solar cells using an azobenzenecarboxylic acid-based system. Heliyon, 2019, 5, e01444.	3.2	20
119	A highly selective nitrate electrode based on a tetramethyl cyclotetra-decanato-nickel(II) complex. Journal of Electroanalytical Chemistry, 2004, 568, 1-6.	3.8	19
120	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.	2.2	19
121	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.	2.7	19
122	Thiocyanate ion selective electrode based on bis(N-3-methylphenyl salicylidenaminato)copper(II) ionophore. Chinese Chemical Letters, 2014, 25, 1639-1642.	9.0	19
123	CoFe ₂ O ₄ @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.	7.1	19
124	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.	2.8	18
125	Highly selective oxalate-membrane electrode based on 2,2 α -[1,4-butandiyle bis(nitrilo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	10.1	18
126	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.	0.9	18

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127	Investigation of Electrochemical Oxidation of Methanol at a Carbon Paste Electrode Modified with Ni(II)-BS Complex and Reduced Graphene Oxide Nano Sheets. <i>Electroanalysis</i> , 2016, 28, 2985-2992.	2.9	18
128	Development of a Carbon Paste Electrode Modified with Reduced Graphene Oxide and an Imidazole Derivative for Simultaneous Determination of N-Acetylcysteine, Uric Acid and Dopamine. <i>Electroanalysis</i> , 2016, 28, 1625-1633.	2.9	18
129	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. <i>Journal of Electroanalytical Chemistry</i> , 2016, 760, 151-157.	3.8	18
130	Selective nitrate poly(vinylchloride) membrane electrode based on bis(2-hydroxyacetophenone)ethylenediimine vanadyl (IV). <i>Sensors and Actuators B: Chemical</i> , 2004, 101, 302-307.	7.8	17
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