

Abdollah Salimi

List of Publications by Citations

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203
papers

9,036
citations

56
h-index

83
g-index

206
ext. papers

9,974
ext. citations

6.1
avg, IF

6.89
L-index

#	Paper	IF	Citations
203	Fe ₃ O ₄ magnetic nanoparticles/reduced graphene oxide nanosheets as a novel electrochemical and bioelectrochemical sensing platform. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 1-8	11.8	410
202	Nanomolar detection of hydrogen peroxide on glassy carbon electrode modified with electrodeposited cobalt oxide nanoparticles. <i>Analytica Chimica Acta</i> , 2007 , 594, 24-31	6.6	256
201	Glucose biosensor prepared by glucose oxidase encapsulated sol-gel and carbon-nanotube-modified basal plane pyrolytic graphite electrode. <i>Analytical Biochemistry</i> , 2004 , 333, 49-56	3.1	232
200	Immobilization of glucose oxidase on electrodeposited nickel oxide nanoparticles: direct electron transfer and electrocatalytic activity. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 3146-53	11.8	208
199	Ultrasensitive electrochemical immunosensor for PSA biomarker detection in prostate cancer cells using gold nanoparticles/PAMAM dendrimer loaded with enzyme linked aptamer as integrated triple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 915-23	11.8	180
198	A highly sensitive prostate-specific antigen immunosensor based on gold nanoparticles/PAMAM dendrimer loaded on MWCNTS/chitosan/ionic liquid nanocomposite. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 20-8	11.8	169
197	Electrochemical detection of trace amount of arsenic(III) at glassy carbon electrode modified with cobalt oxide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 246-254	8.5	166
196	Catalytic oxidation of thiols at preheated glassy carbon electrode modified with abrasive immobilization of multiwall carbon nanotubes: applications to amperometric detection of thiocytosine, l-cysteine and glutathione. <i>Talanta</i> , 2005 , 66, 967-75	6.2	129
195	An amplified comparative fluorescence resonance energy transfer immunosensing of CA125 tumor marker and ovarian cancer cells using green and economic carbon dots for bio-applications in labeling, imaging and sensing. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 308-316	11.8	126
194	Abrasive immobilization of carbon nanotubes on a basal plane pyrolytic graphite electrode: application to the detection of epinephrine. <i>Analyst, The</i> , 2004 , 129, 225-8	5	124
193	Enhancement of the analytical properties and catalytic activity of a nickel hexacyanoferrate modified carbon ceramic electrode prepared by two-step sol-gel technique: application to amperometric detection of hydrazine and hydroxyl amine. <i>Talanta</i> , 2004 , 63, 475-83	6.2	124
192	Direct voltammetry and electrocatalytic properties of hemoglobin immobilized on a glassy carbon electrode modified with nickel oxide nanoparticles. <i>Electrochemistry Communications</i> , 2006 , 8, 1499-1508	5.1	123
191	Non-enzymatic glucose detection free of ascorbic acid interference using nickel powder and nafion sol-gel dispersed renewable carbon ceramic electrode. <i>Electrochemistry Communications</i> , 2005 , 7, 879-887	5.1	122
190	Highly sensitive immunosensing of prostate-specific antigen based on ionic liquid-carbon nanotubes modified electrode: application as cancer biomarker for prostate biopsies. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 439-46	11.8	121
189	Direct electrochemistry and electrocatalytic activity of catalase immobilized onto electrodeposited nano-scale islands of nickel oxide. <i>Biophysical Chemistry</i> , 2007 , 125, 540-8	3.5	119
188	Renewable sol-gel carbon ceramic electrodes modified with a Ru-complex for the amperometric detection of l-cysteine and glutathione. <i>Talanta</i> , 2003 , 60, 205-14	6.2	118
187	Low potential detection of NADH based on Fe ₃ O ₄ nanoparticles/multiwalled carbon nanotubes composite: fabrication of integrated dehydrogenase-based lactate biosensor. <i>Biosensors and Bioelectronics</i> , 2012 , 33, 60-8	11.8	116

186	Simultaneous determination of ascorbic acid, uric acid and neurotransmitters with a carbon ceramic electrode prepared by sol-gel technique. <i>Talanta</i> , 2006 , 70, 823-32	6.2	114
185	Amperometric and voltammetric detection of hydrazine using glassy carbon electrodes modified with carbon nanotubes and catechol derivatives. <i>Talanta</i> , 2008 , 75, 147-56	6.2	112
184	Label-free electrochemical IgE aptasensor based on covalent attachment of aptamer onto multiwalled carbon nanotubes/ionic liquid/chitosan nanocomposite modified electrode. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 218-25	11.8	108
183	Direct electrochemistry and electrocatalytic activity of catalase incorporated onto multiwall carbon nanotubes-modified glassy carbon electrode. <i>Analytical Biochemistry</i> , 2005 , 344, 16-24	3.1	105
182	Efficient amine functionalization of graphene oxide through the Bucherer reaction: an extraordinary metal-free electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2015 , 5, 59874-59880	2.7	104
181	Au nanoparticles/PAMAM dendrimer functionalized wired ethyleneamine-viologen as highly efficient interface for ultra-sensitive Hefetoprotein electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 389-96	11.8	96
180	Immobilization of hemoglobin on electrodeposited cobalt-oxide nanoparticles: direct voltammetry and electrocatalytic activity. <i>Biophysical Chemistry</i> , 2007 , 130, 122-31	3.5	95
179	Amplified fluorescent sensing of DNA using luminescent carbon dots and AuNPs/GO as a sensing platform: A novel coupling of FRET and DNA hybridization for homogeneous HIV-1 gene detection at femtomolar level. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 773-780	11.8	94
178	Graphene nanosheets modified glassy carbon electrode for simultaneous detection of heroine, morphine and noscapine. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 205-11	11.8	93
177	Ultrasensitive electrochemiluminescence immunoassay for simultaneous determination of CA125 and CA15-3 tumor markers based on PAMAM-sulfanilic acid-Ru(bpy) and PAMAM-CdTe@CdS nanocomposite. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 353-360	11.8	91
176	Amperometric detection of nitrite, iodate and periodate at glassy carbon electrode modified with catalase and multi-wall carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2007 , 123, 530-537	8.5	88
175	Modification of glassy carbon electrode with multi-walled carbon nanotubes and iron(III)-porphyrin film: Application to chlorate, bromate and iodate detection. <i>Electrochimica Acta</i> , 2007 , 52, 6097-6105	6.7	86
174	A molecularly imprinted electrochemiluminescence sensor for ultrasensitive HIV-1 gene detection using EuS nanocrystals as luminophore. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 332-339	11.8	85
173	Amperometric Detection of Morphine at Preheated Glassy Carbon Electrode Modified with Multiwall Carbon Nanotubes. <i>Electroanalysis</i> , 2005 , 17, 873-879	3	82
172	Ultrasensitive flexible FET-type aptasensor for CA 125 cancer marker detection based on carboxylated multiwalled carbon nanotubes immobilized onto reduced graphene oxide film. <i>Analytica Chimica Acta</i> , 2018 , 1000, 273-282	6.6	82
171	Electrocatalytic Reduction of Dioxygen at the Surface of Glassy Carbon Electrodes Modified by Some Anthraquinone Substituted Podands. <i>Electroanalysis</i> , 1999 , 11, 114-119	3	79
170	Switchable electrochemiluminescence aptasensor coupled with resonance energy transfer for selective attomolar detection of Hg via CdTe@CdS/dendrimer probe and Au nanoparticle quencher. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 328-335	11.8	79
169	An ultrasensitive detection of miRNA-155 in breast cancer via direct hybridization assay using two-dimensional molybdenum disulfide field-effect transistor biosensor. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 6-13	11.8	77

168	Boron doped diamond electrode modified with iridium oxide for amperometric detection of ultra trace amounts of arsenic(III). <i>Analyst, The</i> , 2004 , 129, 9	5	76
167	Highly sensitive bioaffinity electrochemiluminescence sensors: Recent advances and future directions. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111530	11.8	72
166	A highly sensitive electrochemical immunosensor for hepatitis B virus surface antigen detection based on Hemin/G-quadruplex horseradish peroxidase-mimicking DNAzyme-signal amplification. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 184-192	11.8	71
165	Picomolar detection of insulin at renewable nickel powder-doped carbon composite electrode. <i>Analytical Chemistry</i> , 2007 , 79, 7431-8	7.8	67
164	Highly sensitive sensor for picomolar detection of insulin at physiological pH, using GC electrode modified with guanine and electrodeposited nickel oxide nanoparticles. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 798-804	11.8	66
163	Current advances of carbon dots based biosensors for tumor marker detection, cancer cells analysis and bioimaging. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 115, 83-99	14.6	64
162	Manganese oxide nanoflakes/multi-walled carbon nanotubes/chitosan nanocomposite modified glassy carbon electrode as a novel electrochemical sensor for chromium (III) detection. <i>Electrochimica Acta</i> , 2015 , 156, 207-215	6.7	63
161	Fabrication of electrochemical theophylline sensor based on manganese oxide nanoparticles/ionic liquid/chitosan nanocomposite modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2013 , 108, 707-716	6.7	63
160	One dimensional CdS nanowire@TiO ₂ nanoparticles core-shell as high performance photocatalyst for fast degradation of dye pollutants under visible and sunlight irradiation. <i>Journal of Colloid and Interface Science</i> , 2016 , 479, 43-54	9.3	62
159	Electrochemical properties and electrocatalytic activity of FAD immobilized onto cobalt oxide nanoparticles: Application to nitrite detection. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 619-620, 31-38	4.1	62
158	A FRET immunosensor for sensitive detection of CA 15-3 tumor marker in human serum sample and breast cancer cells using antibody functionalized luminescent carbon-dots and AuNPs-dendrimer aptamer as donor-acceptor pair. <i>Analytical Biochemistry</i> , 2018 , 557, 18-26	3.1	61
157	Fabrication of a highly sensitive adenosine aptasensor based on covalent attachment of aptamer onto chitosan-carbon nanotubes-ionic liquid nanocomposite. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 100-7	11.8	61
156	Simultaneous Determination of Ranitidine and Metronidazole at Glassy Carbon Electrode Modified with Single Wall Carbon Nanotubes. <i>Electroanalysis</i> , 2007 , 19, 1668-1676	3	61
155	One-pot hydrothermal synthesis of zirconium dioxide nanoparticles decorated reduced graphene oxide composite as high performance electrochemical sensing and biosensing platform. <i>Electrochimica Acta</i> , 2014 , 143, 196-206	6.7	58
154	Electrooxidation of insulin at silicon carbide nanoparticles modified glassy carbon electrode. <i>Electrochemistry Communications</i> , 2009 , 11, 1116-1119	5.1	57
153	Functionalized fluorescent carbon nanostructures for targeted imaging of cancer cells: a review. <i>Mikrochimica Acta</i> , 2019 , 186, 231	5.8	56
152	Highly selective and sensitive adenosine aptasensor based on platinum nanoparticles as catalytical label for amplified detection of biorecognition events through H ₂ O ₂ reduction. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 355-62	11.8	56
151	Shape-dependent electron transfer kinetics and catalytic activity of NiO nanoparticles immobilized onto DNA modified electrode: fabrication of highly sensitive enzymeless glucose sensor. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 313-9	11.8	56

150	Fabrication of a Sensitive Cholesterol Biosensor Based on Cobalt-oxide Nanostructures Electrodeposited onto Glassy Carbon Electrode. <i>Electroanalysis</i> , 2009 , 21, 2693-2700	3	56
149	Renewable Surface Sol-gel Derived Carbon Ceramic Electrode Modified with Copper Complex and Its Application as an Amperometric Sensor for Bromate Detection. <i>Electroanalysis</i> , 2004 , 16, 1984-1991	3	56
148	Ultrasonic effects on the electro-reduction of oxygen at a glassy carbon anthraquinone-modified electrode. The Koutecky-Levich equation applied to insonated electro-catalytic reactions. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3988-3993	3.6	56
147	Electrocatalytic activity of nickel oxide nanoparticles as mediatorless system for NADH and ethanol sensing at physiological pH solution. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 260-6	11.8	54
146	Mimicking peroxidase-like activity of Co ₃ O ₄ -CeO ₂ nanosheets integrated paper-based analytical devices for detection of glucose with smartphone. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 44-52	8.5	53
145	Electrocatalytic oxidation of NADH at electrogenerated NAD ⁺ oxidation product immobilized onto multiwalled carbon nanotubes/ionic liquid nanocomposite: application to ethanol biosensing. <i>Talanta</i> , 2012 , 90, 91-8	6.2	52
144	Development of DNA electrochemical biosensor based on immobilization of ssDNA on the surface of nickel oxide nanoparticles modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2011 , 30, 188-96	11.8	52
143	Amperometric detection of hydrogen peroxide at nano-nickel oxide/thionine and celestine blue nanocomposite-modified glassy carbon electrodes. <i>Electrochimica Acta</i> , 2009 , 54, 6312-6321	6.7	52
142	SiC nanoparticles-modified glassy carbon electrodes for simultaneous determination of purine and pyrimidine DNA bases. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3864-9	11.8	51
141	Nickel nanoclusters as a novel emitter for molecularly imprinted electrochemiluminescence based sensor toward nanomolar detection of creatinine. <i>Biosensors and Bioelectronics</i> , 2018 , 107, 272-279	11.8	50
140	Sonoelectroanalysis: investigation of bismuth-film-modified glassy carbon electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 277-82	4.4	50
139	Mimicking peroxidase activity of Co(OH)CO-CeO nanocomposite for smartphone based detection of tumor marker using paper-based microfluidic immunodevice. <i>Talanta</i> , 2018 , 189, 100-110	6.2	48
138	Sol-gel derived carbon ceramic composite electrode containing a ruthenium complex for amperometric detection of insulin at physiological pH. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 542, 39-49	4.1	48
137	Electrocatalysis of O ₂ Reduction at Glassy Carbon Electrodes Modified with Adsorbed 1,4-Dihydroxy-9,10-anthraquinone Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 1999 , 72, 2121-2127	5.1	48
136	Amperometric Detection of Dopamine in the Presence of Ascorbic Acid Using a Nafion Coated Glassy Carbon Electrode Modified with Catechin Hydrate as a Natural Antioxidant. <i>Mikrochimica Acta</i> , 2004 , 144, 161-169	5.8	47
135	Oxovanadium(IV) complexes as homogeneous catalysts for aerobic epoxidation of olefins. <i>Applied Catalysis A: General</i> , 2005 , 278, 263-267	5.1	47
134	A novel non-enzymatic hydrogen peroxide sensor based on single walled carbon nanotubes/manganese complex modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2011 , 56, 3387-3394	6.7	45
133	Highly sensitive electrocatalytic detection of nitrite based on SiC nanoparticles/amine terminated ionic liquid modified glassy carbon electrode integrated with flow injection analysis. <i>Sensors and Actuators B: Chemical</i> , 2014 , 205, 136-142	8.5	43

132	Ultrasensitive electrochemiluminescence immunosensor for determination of hepatitis B virus surface antigen using CdTe@CdS-PAMAM dendrimer as luminescent labels and Fe ₃ O ₄ nanoparticles as magnetic beads. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 551-560	8.5	42
131	Immobilization of [Cu(bpy) ₂]Br ₂ complex onto a glassy carbon electrode modified with alpha-SiMo ₁₂ O ₄₀ (4-) and single walled carbon nanotubes: application to nanomolar detection of hydrogen peroxide and bromate. <i>Analytica Chimica Acta</i> , 2009 , 635, 63-70	6.6	41
130	Renewable-surface sol-gel derived carbon ceramic electrode fabricated by [Ru(bpy)(tpy)Cl]PF ₆ and its application as an amperometric sensor for sulfide and sulfur oxoanions. <i>Analyst, The</i> , 2002 , 127, 1649-56	5.56	40
129	Carbon Nanotubes-Ionic Liquid and Chlorpromazine Modified Electrode for Determination of NADH and Fabrication of Ethanol Biosensor. <i>Electroanalysis</i> , 2010 , 22, 1707-1716	3	39
128	Electrosorption of Os(III)-complex at single-wall carbon nanotubes immobilized on a glassy carbon electrode: application to nanomolar detection of bromate, periodate and iodate. <i>Analytica Chimica Acta</i> , 2008 , 618, 43-53	6.6	39
127	Highly sensitive electrochemical aptasensor for immunoglobulin E detection based on sandwich assay using enzyme-linked aptamer. <i>Analytical Biochemistry</i> , 2014 , 466, 89-97	3.1	38
126	DNA/nickel oxide nanoparticles/osmium(III)-complex modified electrode toward selective oxidation of l-cysteine and simultaneous detection of l-cysteine and homocysteine. <i>Bioelectrochemistry</i> , 2012 , 86, 9-21	5.6	38
125	Fabrication of Glucose Biosensor Based on Encapsulation of Glucose-Oxidase on Sol-Gel Composite at the Surface of Glassy Carbon Electrode Modified with Carbon Nanotubes and Celestine Blue. <i>Electroanalysis</i> , 2008 , 20, 1788-1797	3	38
124	CuO/WO nanoparticles decorated graphene oxide nanosheets with enhanced peroxidase-like activity for electrochemical cancer cell detection and targeted therapeutics. <i>Materials Science and Engineering C</i> , 2019 , 99, 1374-1383	8.3	37
123	Layer by layer assembly of glucose oxidase and thiourea onto glassy carbon electrode: Fabrication of glucose biosensor. <i>Electrochimica Acta</i> , 2011 , 56, 6097-6105	6.7	37
122	Electrocatalytic Reduction of H ₂ O ₂ and Oxygen on the Surface of Thionin Incorporated onto MWCNTs Modified Glassy Carbon Electrode: Application to Glucose Detection. <i>Electroanalysis</i> , 2007 , 19, 1100-1108	3	37
121	Electrocatalytic Oxidation of Sulfur Containing Amino Acids at Renewable Ni-Powder Doped Carbon Ceramic Electrode: Application to Amperometric Detection L-Cystine, L-Cysteine and L-Methionine. <i>Electroanalysis</i> , 2006 , 18, 2129-2136	3	37
120	Preparation and electrocatalytic oxidation properties of a nickel pentacyanonitrosylferrate modified carbon composite electrode by two-step sol-gel technique: improvement of the catalytic activity. <i>Electrochimica Acta</i> , 2004 , 49, 413-422	6.7	37
119	Modification of carbon ceramic electrode prepared with sol-gel technique by a thin film of chlorogenic acid: application to amperometric detection of NADH. <i>Talanta</i> , 2005 , 65, 888-94	6.2	36
118	Micromolar determination of sulfur oxoanions and sulfide at a renewable sol-gel carbon ceramic electrode modified with nickel powder. <i>Electrochimica Acta</i> , 2006 , 51, 1952-1959	6.7	36
117	Adsorption and Reactivity of Chlorogenic Acid at a Hydrophobic Carbon Ceramic Composite Electrode: Application for the Amperometric Detection of Hydrazine. <i>Electroanalysis</i> , 2004 , 16, 1964-1971	3.7	36
116	Graphene oxide/CuFe ₂ O ₄ nanocomposite as a novel scaffold for the immobilization of laccase and its application as a recyclable nanobiocatalyst for the green synthesis of arylsulfonfyl benzenediols. <i>Biochemical Engineering Journal</i> , 2018 , 133, 1-11	4.2	35
115	Electrodeposition of guanine oxidation product onto zinc oxide nanoparticles: Application to nanomolar detection of l-cysteine. <i>Sensors and Actuators B: Chemical</i> , 2009 , 135, 632-641	8.5	34

114	Electrochemical properties of modified carbon paste electrodes containing some amino derivatives of 9,10-anthraquinone. <i>Journal of Solid State Electrochemistry</i> , 2001 , 5, 68-73	2.6	34
113	Covalent attachment of thionine onto gold electrode modified with cadmium sulfide nanoparticles: Improvement of electrocatalytic and photoelectrocatalytic reduction of hydrogen peroxide. <i>Electrochimica Acta</i> , 2013 , 95, 60-70	6.7	33
112	Electrocatalytic properties of [Ru(bpy)(tpy)Cl]PF ₆ at carbon ceramic electrode modified with nafion sol-gel composite: application to amperometric detection of L-cysteine. <i>Analytica Chimica Acta</i> , 2005 , 534, 335-342	6.6	33
111	Graphene-supported pyrene-functionalized amino-carbon nanotube: a novel hybrid architecture of laccase immobilization as effective bioelectrocatalyst for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7623-7630	13	32
110	Fabrication of an Electrochemical L-Cysteine Sensor Based on Graphene Nanosheets Decorated Manganese Oxide Nanocomposite Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2013 , 25, 2201-2210	10	32
109	Amperometric detection of insulin at renewable sol-gel derived carbon ceramic electrode modified with nickel powder and potassium octacyanomolybdate(IV). <i>Biosensors and Bioelectronics</i> , 2006 , 22, 220-226	11.8	32
108	Ni-hemin metal-organic framework with highly efficient peroxidase catalytic activity: toward colorimetric cancer cell detection and targeted therapeutics. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 93	9.4	32
107	Electrocatalytic activity of cobaloxime complexes adsorbed on glassy carbon electrodes toward the reduction of dioxygen. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 517, 37-44	4.1	31
106	Enhanced visible light driven photoelectrocatalytic oxidation of ethanol at reduced graphene oxide/CdS nanowires decorated with Pt nanoparticles. <i>Catalysis Science and Technology</i> , 2016 , 6, 3485-3496	5.5	30
105	Fluorometric determination of microRNA-155 in cancer cells based on carbon dots and MnO ₂ nanosheets as a donor-acceptor pair. <i>Mikrochimica Acta</i> , 2018 , 185, 372	5.8	30
104	Cobalt oxide nanostructure-modified glassy carbon electrode as a highly sensitive flow injection amperometric sensor for the picomolar detection of insulin. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1239-1246	2.6	29
103	Immobilization of glucose oxidase onto a novel platform based on modified TiO ₂ and graphene oxide, direct electrochemistry, catalytic and photocatalytic activity. <i>Materials Science and Engineering C</i> , 2017 , 73, 417-424	8.3	28
102	Magnetoimmunosensor for simultaneous electrochemical detection of carcinoembryonic antigen and Etoprotein using multifunctionalized Au nanotags. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 811, 8-15	4.1	28
101	Direct electron transfer and electrocatalytic properties of immobilized hemoglobin onto glassy carbon electrode modified with ionic-liquid/titanium-nitride nanoparticles: Application to nitrite detection. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 625-633	8.5	28
100	Electrochemical and Photoelectrochemical Sensing of Dihydrnicotinamide Adenine Dinucleotide and Glucose Based on Noncovalently Functionalized Reduced Graphene Oxide-Cadmium Sulfide Quantum Dots/Poly-Nile Blue Nanocomposite. <i>Electroanalysis</i> , 2014 , 26, 1782-1793	3	28
99	Amperometric detection of hydrogen peroxide at nano-ruthenium oxide/riboflavin nanocomposite-modified glassy carbon electrodes. <i>Electrochimica Acta</i> , 2013 , 113, 134-140	6.7	27
98	Development of a New Label-free, Indicator-free Strategy toward Ultrasensitive Electrochemical DNA Biosensing Based on Fe ₃ O ₄ Nanoparticles/Reduced Graphene Oxide Composite. <i>Electroanalysis</i> , 2017 , 29, 409-414	3	27
97	Layer by layer assembly of catalase and amine-terminated ionic liquid onto titanium nitride nanoparticles modified glassy carbon electrode: study of direct voltammetry and bioelectrocatalytic activity. <i>Analytica Chimica Acta</i> , 2012 , 753, 32-41	6.6	27

96	Complexes with carbonate as a tridentate ligand: Synthesis and characterization of sandwich-type polyoxometallates [(A-AsW ₉ O ₃₄) ₂ (MOH ₂) ₃ (CO ₃) ₁₁ [(M=Y(III), Yb(III) and Sm(III))]. <i>Polyhedron</i> , 2008 , 27, 1303-1309	2.7	27
95	Preparation and characterization of laccases immobilized on magnetic nanoparticles and their application as a recyclable nanobiocatalyst for the aerobic oxidation of alcohols in the presence of TEMPO. <i>RSC Advances</i> , 2016 , 6, 26709-26718	3.7	26
94	Fabrication of high performance bioanode based on fruitful association of dendrimer and carbon nanotube used for design O ₂ /glucose membrane-less biofuel cell with improved bilirubine oxidase biocathode. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 186-93	11.8	26
93	Electrocatalytic reduction of dioxygen on a glassy carbon electrode modified with adsorbed cobaloxime complex. <i>Analytical Sciences</i> , 2001 , 17, 1165-70	1.7	26
92	Simultaneous biosensing of CA125 and CA15-3 tumor markers and imaging of OVCAR-3 and MCF-7 cells lines via bi-color FRET phenomenon using dual blue-green luminescent carbon dots with single excitation wavelength. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 617-628	7.9	26
91	Zeptomolar detection of Hg ²⁺ based on label-free electrochemical aptasensor: One step closer to the dream of single atom detection. <i>Electrochemistry Communications</i> , 2017 , 78, 21-25	5.1	25
90	FAD-based glucose dehydrogenase immobilized on thionine/AuNPs frameworks grafted on amino-CNTs: Development of high power glucose biofuel cell and biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 815, 105-113	4.1	25
89	Synthesis of Iridium Oxide Nanotubes by Electrodeposition into Polycarbonate Template: Fabrication of Chromium(III) and Arsenic(III) Electrochemical Sensor. <i>Electroanalysis</i> , 2011 , 23, 2429-2437		25
88	Amplified fluorescence resonance energy transfer sensing of prostate specific antigen based on aggregation of CdTe QDs/antibody and aptamer decorated of AuNPs-PAMAM dendrimer. <i>Journal of Luminescence</i> , 2018 , 204, 368-374	3.8	24
87	Electrochemical and Photoelectrochemical Sensing of NADH and Ethanol Based on Immobilization of Electrogenerated Chlorpromazine Sulfoxide onto Graphene-CdS Quantum Dot/Ionic Liquid Nanocomposite. <i>Electroanalysis</i> , 2014 , 26, 530-540	3	24
86	Potential-resolved electrochemiluminescence immunoassay for simultaneous determination of CEA and AFP tumor markers using dendritic nanoclusters and Fe ₃ O ₄ @SiO ₂ nanoparticles. <i>Mikrochimica Acta</i> , 2017 , 184, 3613-3623	5.8	24
85	Fabrication of a Highly Sensitive Glucose Biosensor Based on Immobilization of Osmium Complex and Glucose Oxidase onto Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2009 , 21, 909-917	3	24
84	Electroless Deposition of Thionin onto Glassy Carbon Electrode Modified with Single Wall and Multiwall Carbon Nanotubes: Improvement of the Electrochemical Reversibility and Stability. <i>Electroanalysis</i> , 2006 , 18, 703-711	3	24
83	Facile one-pot synthesis of platinum nanoparticles decorated nitrogen-graphene with high electrocatalytic performance for oxygen reduction and anodic fuels oxidation. <i>Journal of Power Sources</i> , 2015 , 277, 268-276	8.9	23
82	Controlling of morphology and electrocatalytic properties of cobalt oxide nanostructures prepared by potentiodynamic deposition method. <i>Applied Surface Science</i> , 2013 , 276, 512-520	6.7	23
81	Sensitive Superoxide Biosensor Based on Silicon Carbide Nanoparticles. <i>Electroanalysis</i> , 2010 , 22, 1599-1606		22
80	Polymer dots as a novel probe for fluorescence sensing of dopamine and imaging in single living cell using droplet microfluidic platform. <i>Analytica Chimica Acta</i> , 2019 , 1091, 40-49	6.6	21
79	Novel voltammetric and impedimetric sensor for femtomolar determination of lysozyme based on metal-chelate affinity immobilized onto gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 270-6	11.8	21

78	Modification of Glassy Carbon Electrode With Single-Walled Carbon Nanotubes and Silicomolybdate: Application to Sb(III) Detection. <i>Electroanalysis</i> , 2008 , 20, 2509-2517	3	21
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