

Abdollah Salimi

List of Publications by Year in Descending Order

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

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	Carbon dots hybrid for dual fluorescent detection of microRNA-21 integrated bioimaging of MCF-7 using a microfluidic platform.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 73	9.4	2
202	Graphdiyne nanosheet as a novel sensing platform for self-enhanced electrochemiluminescence of MOF enriched ruthenium (II) in the presence of dual co-reactants for detection of tumor marker. <i>Biosensors and Bioelectronics</i> , 2022 , 195, 113657	11.8	8
201	Development of three-dimensional semi-solid hydrogel matrices for ratiometric fluorescence sensing of Amyloid β peptide and imaging in SH-SY5 cells: Improvement of point of care diagnosis of Alzheimer's disease biomarker.. <i>Biosensors and Bioelectronics</i> , 2021 , 199, 113895	11.8	2
200	A Chelation-enhanced Fluorescence Assay using Thiourea Capped Carbonaceous Fluorescent Nanoparticles for As (III) Detection in Water Samples. <i>Journal of Fluorescence</i> , 2021 , 1	2.4	0
199	Bipolar electrochemistry as a powerful technique for rapid synthesis of ultrathin graphdiyne nanosheets: Improvement of photoelectrocatalytic activity toward both hydrogen and oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 12906-12914	6.7	4
198	Ultrasensitive molecularly imprinted fluorescence sensor for simultaneous determination of CA125 and CA15-3 in human serum and OVCAR-3 and MCF-7 cells lines using Cd and Ni nanoclusters as new emitters. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 4049-4061	4.4	5
197	CuO/Cu-MOF nanocomposite for highly sensitive detection of nitric oxide released from living cells using an electrochemical microfluidic device. <i>Mikrochimica Acta</i> , 2021 , 188, 240	5.8	7
196	Ratiometric fluorescence resonance energy transfer aptasensor for highly sensitive and selective detection of <i>Acinetobacter baumannii</i> bacteria in urine sample using carbon dots as optical nanoprobles. <i>Talanta</i> , 2021 , 221, 121619	6.2	12
195	A 3D hydrogel based on chitosan and carbon dots for sensitive fluorescence detection of microRNA-21 in breast cancer cells. <i>Talanta</i> , 2021 , 224, 121895	6.2	21
194	Multienzymes activity of metals and metal oxide nanomaterials: applications from biotechnology to medicine and environmental engineering. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 26	9.4	21
193	Hierarchical Co(OH) ₂ /FeOOH/WO ₃ ternary nanoflowers as a dual-function enzyme with pH-switchable peroxidase and catalase mimic activities for cancer cell detection and enhanced photodynamic therapy. <i>Chemical Engineering Journal</i> , 2021 , 417, 129134	14.7	12
192	Ultrasensitive fluorescence immunosensor based on mesoporous silica and magnetic nanoparticles: Capture and release strategy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 257, 119749	4.4	0
191	Construction of a ternary nano-architecture based graphene oxide sheets, toward electrocatalytic determination of tumor-associated anti-p53 autoantibodies in human serum. <i>Talanta</i> , 2021 , 230, 122276	6.2	2
190	Graphdiyne/graphene quantum dots for development of FRET ratiometric fluorescent assay toward sensitive detection of miRNA in human serum and bioimaging of living cancer cells. <i>Journal of Luminescence</i> , 2021 , 239, 118371	3.8	6
189	Intrinsic Enzyme-like Activities of Cerium Oxide Nanocomposite and Its Application for Extracellular HO Detection Using an Electrochemical Microfluidic Device. <i>ACS Omega</i> , 2020 , 5, 11883-11894	3.9	20
188	CuO nanorods as a laccase mimicking enzyme for highly sensitive colorimetric and electrochemical dual biosensor: Application in living cell epinephrine analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 195, 111228	6	17
187	Transport Properties of a Molybdenum Disulfide and Carbon Dot Nanohybrid Transistor and Its Applications as a Hg ²⁺ Aptasensor. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 635-645	4	8

186	An eco-friendly MIP-solid surface fluorescence immunosensor for detection of CA 19-9 tumor marker using Ni nanocluster as an emitter labels. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 2283-2291	4	2
185	Hemin/G-Quadruplex Horseradish Peroxidase-Mimicking DNAzyme: Principle and Biosensing Application. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2020 , 170, 85-106	1.7	14
184	A self-enhanced ECL-RET immunosensor for the detection of CA19-9 antigen based on Ru(bpy)(phen-NH) - Amine-rich nitrogen-doped carbon nanodots as probe and graphene oxide grafted hyperbranched aromatic polyamide as platform. <i>Analytica Chimica Acta</i> , 2020 , 1132, 55-65	6.6	13
183	Immunoreaction-triggered diagnostic device using reduced graphene oxide/CuO NPs/chitosan ternary nanocomposite, toward enhanced electrochemical detection of albumin. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 877, 114642	4.1	6
182	Polymer nanocomposite film for dual colorimetric and fluorescent ascorbic acid detection integrated single-cell bioimaging with droplet microfluidic platform. <i>Dyes and Pigments</i> , 2020 , 173, 107875	4.6	12
181	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
180	A Novel Immunosensing Method Based on the Capture and Enzymatic Release of Sandwich-Type Covalently Conjugated Thionine-Gold Nanoparticles as a New Fluorescence Label Used for Ultrasensitive Detection of Hepatitis B Virus Surface Antigen. <i>ACS Omega</i> , 2019 , 4, 15323-15336	3.9	5
179	Ratiometric enhanced fluorometric determination and imaging of intracellular microRNA-155 by using carbon dots, gold nanoparticles and rhodamine B for signal amplification. <i>Mikrochimica Acta</i> , 2019 , 186, 469	5.8	9
178	Electrochemical Derivatization of Acetaminophen for Indirect Determination of Eflornithine Using ECD Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2019 , 31, 1719-1727	3	3
177	Magnetic nanoparticles supported Cu ²⁺ and Ce ³⁺ complexes: toward the chemical and electrochemical oxidation of alcohol and sulfide derivatives. <i>Research on Chemical Intermediates</i> , 2019 , 45, 4517-4530	2.8	3
176	Amine-functionalized graphene as an effective electrochemical platform toward easily miRNA hybridization detection. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 143, 191-198	4.6	17
175	DNA-functionalized dye-loaded carbon dots: ultrabright FRET platform for ratiometric detection of Hg(II) in serum samples and cell microenvironment. <i>Ionics</i> , 2019 , 25, 4469-4479	2.7	6
174	Dual-emission carbon dots as biocompatible nanocarrier for in vitro/in vivo cell microenvironment ratiometric pH sensing in broad range. <i>Journal of the Iranian Chemical Society</i> , 2019 , 16, 2081-2092	2	2
173	Functionalized fluorescent carbon nanostructures for targeted imaging of cancer cells: a review. <i>Mikrochimica Acta</i> , 2019 , 186, 231	5.8	56
172	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
171	Preparation of modified glassy carbon electrode by the use of titanium oxide, copper and palladium nanoparticles and its application for the electrocatalytic and photoelectrocatalytic reduction of hydrogen peroxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 5212-5221	2.1	7
170	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
169	Electrochemical atomic layer deposition of cadmium telluride for Pt decoration: Application as novel photoelectrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 321, 134651	6.7	0

168	Enzyme-based electrochemical biosensors 2019 , 167-211		6
167	Highly sensitive bioaffinity electrochemiluminescence sensors: Recent advances and future directions. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111530	11.8	72
166	A strategy for visual optical determination of glucose based on a smartphone device using fluorescent boron-doped carbon nanoparticles as a light-up probe. <i>Mikrochimica Acta</i> , 2019 , 187, 14	5.8	8
165	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
164	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
163	Specific anion effects on copper surface through electrochemical treatment: Enhanced photoelectrochemical CO ₂ reduction activity of derived nanostructures induced by chaotropic anions. <i>Applied Surface Science</i> , 2018 , 440, 897-906	6.7	4
162	Nickel-cysteine nanoparticles: Synthesis, characterization and application for direct electron transfer studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 165, 135-143	6	2
161	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
160	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
159	Dual Amplified Electrochemical Immunosensor for Hepatitis B Virus Surface Antigen Detection Using Hemin/G-Quadruplex Immobilized onto Fe ₃ O ₄ -AuNPs or (Hemin-Amino-rGO-Au) Nanohybrid. <i>Electroanalysis</i> , 2018 , 30, 402-414	3	17
158	Magnetoimmunosensor for simultaneous electrochemical detection of carcinoembryonic antigen and α -fetoprotein using multifunctionalized Au nanotags. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 811, 8-15	4.1	28
157	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 arylsulfonyl benzenediols. <i>Biochemical Engineering Journal</i> , 2018 , 133, 1-11	4.2	35
156	The development of radio frequency magnetron sputtered p-type nickel oxide thin film field-effect transistor device combined with nucleic acid probe for ultrasensitive label-free HIV-1 gene detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 266, 178-186	8.5	19
155	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
154	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
153	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
152	Fluorometric determination of microRNA-155 in cancer cells based on carbon dots and MnO nanosheets as a donor-acceptor pair. <i>Mikrochimica Acta</i> , 2018 , 185, 372	5.8	30
151	Ultrasensitive and highly selective FRET aptasensor for Hg ²⁺ measurement in fish samples using carbon dots/AuNPs as donor/acceptor platform. <i>New Journal of Chemistry</i> , 2018 , 42, 16027-16035	3.6	18

150	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
149	Solid surface fluorescence immunosensor for ultrasensitive detection of hepatitis B virus surface antigen using PAMAM/CdTe@CdS QDs nanoclusters. <i>Methods and Applications in Fluorescence</i> , 2018 , 6, 035013	3.1	5
148	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
147	Light-Driven Photocatalytic Hydrogen Evolution on Spindle-like MoS _x Nanostructures Grown on Poly-Salicylic Acid Synthesized through Bipolar Electrochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9784-9792	8.3	10
146	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
145	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
144	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
143	Ultrasensitive Bioaffinity Electrochemical Sensors: Advances and New Perspectives. <i>Electroanalysis</i> , 2018 , 30, 2803-2840	3	19
142	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
141	Direct Enzymatic Glucose/O Biofuel Cell based on Poly-Thiophene Carboxylic Acid alongside Gold Nanostructures Substrates Derived through Bipolar Electrochemistry. <i>Scientific Reports</i> , 2018 , 8, 15103	4.9	11
140	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
139	Experimental and theoretical studies on electrocatalytic oxidation of arsenic (III) and iron (II) using chlorpromazine: Electrochemical and mechanistic study by digital simulation in liquid phase. <i>Journal of Molecular Liquids</i> , 2017 , 233, 100-105	6	3
138	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
137	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
136	Facile Synthesis of Ultra-wide Two Dimensional Bi ₂ S ₃ Nanosheets: Characterizations, Properties and Applications in Hydrogen Peroxide Sensing and Hydrogen Storage. <i>Electroanalysis</i> , 2017 , 29, 2027-2035	2.35	12
135	Sulfur doped-copper oxide nanoclusters synthesized through a facile electroplating process assisted by thiourea for selective photoelectrocatalytic reduction of CO. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 241-252	9.3	18
134	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
133	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

132	Guanine/Ionic Liquid Derived Ordered Mesoporous Carbon Decorated with AuNPs as Efficient NADH Biosensor and Suitable Platform for Enzymes Immobilization and Biofuel Cell Design. <i>Electroanalysis</i> , 2017 , 29, 2646-2655	3	9
131	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
130	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
129	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
128	Label-free attomolar detection of lactate based on radio frequency sputtered of nickel oxide thin film field effect transistor. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 733-740	11.8	19
127	Photoelectrocatalytic enzymeless detection of glucose at reduced graphene oxide/CdS nanocomposite decorated with finny ball CoOx nanostructures. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 783, 233-241	4.1	5
126	Anodic platinum dissolution, entrapping by amine functionalized-reduced graphene oxide: a simple approach to derive the uniform distribution of platinum nanoparticles with efficient electrocatalytic activity for durable hydrogen evolution and ethanol oxidation. <i>Electrochimica Acta</i> , 2016 , 211, 322-330	6.7	19
125	Bimetallic Fe ₁₅ Pt ₈₅ nanoparticles as an effective anodic electrocatalyst for non-enzymatic glucose/oxygen biofuel cell. <i>Electrochimica Acta</i> , 2016 , 208, 325-333	6.7	16
124	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
123	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
122	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
121	Manganese Oxide Nanoparticles/Reduced Graphene Oxide as Novel Electrochemical Platform for Immobilization of FAD and its Application as Highly Sensitive Persulfate Sensor. <i>Electroanalysis</i> , 2016 , 28, 493-502	3	4
120	Highly sensitive and ultra-selective amperometric nitrite sensor using cyclometalated Rh(III)-complex/CNTs modified glassy carbon electrode integrated with flow injection analysis. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 107-119	8.5	19
119	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
118	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
117	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
116	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
115	High performance glucose/O ₂ compartment-less biofuel cell using DNA/CNTs as platform for immobilizing bilirubin oxidase as novel biocathode and integrated NH ₂ -CNTs/dendrimer/glucose dehydrogenase/nile blue as bioanode. <i>Electrochimica Acta</i> , 2015 , 185, 90-100	6.7	19

114	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
113	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
112	Nickel-phendione complex covalently attached onto carbon nanotube/cross linked glucose dehydrogenase as bioanode for glucose/oxygen compartment-less biofuel cell. <i>Journal of Power Sources</i> , 2015 , 282, 586-595	8.9	16
111	Electrochemical pretreatment of amino-carbon nanotubes on graphene support as a novel platform for bilirubin oxidase with improved bioelectrocatalytic activity towards oxygen reduction. <i>Chemistry - A European Journal</i> , 2015 , 21, 4949-53	4.8	17
110	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
109	Au nanoparticles/PAMAM dendrimer functionalized wired ethyleneamine-viologen as highly efficient interface for ultra-sensitive α -fetoprotein electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 389-96	11.8	96
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	A High Performance Electrochemical Biosensing Platform for Glucose Detection and IgE Aptasensing Based on Fe ₃ O ₄ /Reduced Graphene Oxide Nanocomposite. <i>Electroanalysis</i> , 2014 , 26, 129-138	11.8	15
100	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
99	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
98	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
97	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	11.8	32

96	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
95	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
94	Hydrogen peroxide sensor based on riboflavin immobilized at the nickel oxide nanoparticle-modified glassy carbon electrode. <i>Journal of Applied Electrochemistry</i> , 2013 , 43, 1175-1183	2.6	20
93	Highly sensitive amperometric sensor for micromolar detection of trichloroacetic acid based on multiwalled carbon nanotubes and Fe(II)-phthalocyanine modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2013 , 33, 1720-6	8.3	15
92	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
91	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
90	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
89	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
88	N-hydroxysuccinimide-mediated photoelectrooxidation of aliphatic alcohols based on cadmium telluride nanoparticles decorated graphene nanosheets. <i>Electrochimica Acta</i> , 2013 , 105, 230-238	6.7	15
87	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
86	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
85	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
84	Graphene nanosheets modified glassy carbon electrode for simultaneous detection of heroine, morphine and noscipine. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 205-11	11.8	93
83	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
82	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
81	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
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67	Glucose Biosensor Based on Silicon Nitride Nanoparticles. <i>Electroanalysis</i> , 2010 , 22, 2434-2442	3	5
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