

Jahan-Bakhsh Raof

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.

244
papers

5,874
citations

42
h-index

60
g-index

248
ext. papers

6,391
ext. citations

4.6
avg, IF

6.28
L-index

#	Paper	IF	Citations
244	Designing a novel DNA-based electrochemical biosensor to determine of Ba ions both selectively and sensitively.. <i>Analytical Biochemistry</i> , 2022 , 642, 114563	3.1	1
243	Determination of Propranolol at a Carbon Paste Electrode Modified with Magnetite/Graphene Oxide in Combination with Presence of Sodium Dodecyl Sulfate. <i>Russian Journal of Electrochemistry</i> , 2022 , 58, 184-191	1.2	
242	A review on the recent achievements on coronaviruses recognition using electrochemical detection methods.. <i>Microchemical Journal</i> , 2022 , 107322	4.8	2
241	Template-directed synthesis of three-dimensional metal organic framework 199-derived highly porous copper nano-foam fiber for solid-phase microextraction of some antibiotics prior to their quantification by High performance liquid chromatography. <i>Journal of Chromatography A</i> , 2021 , 1660, 462677	4.5	0
240	Missense mutations involvement in COX-2 structure, and protein-substrate binding affinity: study. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021 , 40, 1125-1143	1.4	
239	In-situ synthesis of nanocubic cobalt oxide @ graphene oxide nanocomposite reinforced hollow fiber-solid phase microextraction for enrichment of non-steroidal anti-inflammatory drugs from human urine prior to their quantification via high-performance liquid chromatography-ultraviolet detection. <i>Journal of Chromatography A</i> , 2021 , 1641, 461984	4.5	2
238	Phenylketonuria monitoring in human blood serum by mosses extract/ZnO@Au nanoarrays-loaded filter paper as a novel electrochemical biosensor. <i>Microchemical Journal</i> , 2021 , 160, 105739	4.8	4
237	Facile synthesis of polyoxometalate-based composite with doped ternary NiCoFe cations as electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 449-457	6.7	6
236	A novel G-quadruplex DNA-based biosensor for sensitive electrochemical determination of thallium(I) ions. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 407-413	2	4
235	In-situ formation of Zn-Al layered double oxides on electrochemically anodized nanoporous aluminum film as sorbent for chlorophenols extraction from water and wastewater followed by determination using HPLC. <i>Journal of Separation Science</i> , 2021 , 44, 1264-1272	3.4	2
234	Novel polyoxometalate-based composite as efficient electrocatalyst for alkaline water oxidation reaction. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 2079	2	2
233	Template-directed synthesis of zeolitic imidazolate framework-8 derived Zn-Al layered double oxides decorated on the electrochemically anodized nanoporous aluminum substrate for thin film microextraction of chlorophenols followed by determination with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2021 , 1656, 462550	4.5	0
232	In-situ electrosynthesis Cu-PtBTC MOF-derived nanocomposite modified glassy carbon electrode for highly performance electrocatalysis of hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 900, 115716	4.1	1
231	Thin film microextraction based on Co ₃ O ₄ @GO-Nylon-6 polymeric membrane to extract morin and quercetin and determining them through high performance liquid chromatography-ultraviolet detection. <i>Microchemical Journal</i> , 2021 , 170, 106684	4.8	3
230	Highly sensitive and label-free electrochemical biosensor based on gold nanostructures for studying the interaction of prostate cancer gene sequence with epirubicin anti-cancer drug. <i>Microchemical Journal</i> , 2021 , 170, 106668	4.8	6
229	Nitrogen functionalized carbon nanotubes as a support of platinum electrocatalysts for performance improvement of ORR using fuel cell cathodic half-cell. <i>Renewable Energy</i> , 2020 , 159, 1015-1028	8.1	7
228	Hierarchical zeolitic imidazolate framework-67 derived from in-situ synthesized CO-Al layered double hydroxide embedded within porous-anodized aluminum foil for thin film microextraction of caffeine followed by its high performance liquid chromatography-ultraviolet detection. <i>Journal of Chromatography A</i> , 2020 , 1626, 461956	4.5	9

227	Electrochemical sensor based on magnetite graphene oxide/ordered mesoporous carbon hybrid to detection of allopurinol in clinical samples. <i>Talanta</i> , 2020 , 211, 120759	6.2	8
226	Determination of quercetin via thin film microextraction using the in situ growth of CoAl-layered double hydroxide nanosheets on an electrochemically anodized aluminum substrate followed by HPLC. <i>Analytical Methods</i> , 2020 , 12, 799-806	3.2	9
225	Development of a DNA biosensor based on MCM41 modified screen-printed graphite electrode for the study of the short sequence of the p53 tumor suppressor gene in hybridization and its interaction with the flutamide drug using hemin as the electrochemical label. <i>New Journal of Chemistry</i> , 2020 , 44, 2016-2021	3.6	9
224	Determination of 8-hydroxy-7-iodo-5-quinoline sulfonic acid (HIQSA) at renewable electrode with Sb ₂ O ₃ /MWCNT-TiO ₂ nanohybrid. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 858, 113775	4.1	0
223	Differential Pulse Voltammetric Determination of 2-Methyl-4,6-Dinitrophenol using Bismuth Bulk Electrode. <i>Electroanalysis</i> , 2020 , 32, 317-322	3	0
222	MIL-101 (Cr) @ graphene oxide-reinforced hollow fiber solid-phase microextraction coupled with high-performance liquid chromatography to determine diazinon and chlorpyrifos in tomato, cucumber and agricultural water. <i>Analytica Chimica Acta</i> , 2020 , 1140, 99-110	6.6	20
221	Sensitive Electrochemical Detection of Tryptophan Using a Hemin/G-Quadruplex Aptasensor. <i>Chemosensors</i> , 2020 , 8, 100	4	11
220	Novel Type of Carbon Nanotube Paste Electrode Modified by Sb ₂ O ₃ for Square Wave Anodic Stripping Voltammetric Determination of Cd ²⁺ and Pb ²⁺ . <i>Electroanalysis</i> , 2020 , 32, 2260-2265	3	3
219	In-situ synthesis of flower like CoO nanorod arrays on anodized aluminum substrate templated from layered double hydroxide as a nanosorbent for thin film microextraction of acidic drugs followed by HPLC-UV quantitation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1144, 122090	3.2	6
218	Performance improvement of polymer fuel cell by simultaneously inspection of catalyst loading, catalyst content and ionomer using home-made cathodic half-cell and response surface method. <i>Energy</i> , 2019 , 173, 151-161	7.9	11
217	Usage of gold nanoparticles/multi-walled carbon nanotubes-modified CPE as a nano-bioanode for enhanced power and current generation in microbial fuel cell. <i>Journal of the Iranian Chemical Society</i> , 2019 , 16, 1677-1685	2	4
216	Nucleic acidBased electrochemical biosensors 2019 , 253-276		6
215	Rapid Determination of Phenolic Compounds in Water Samples: Development of a Paper-based Nanobiosensor Modified with Functionalized Silica Nanoparticles and Potato Tissue. <i>Electroanalysis</i> , 2019 , 31, 2311-2318	3	7
214	Integrating an ex-vivo skin biointerface with electrochemical DNA biosensor for direct measurement of the protective effect of UV blocking agents. <i>Biosensors and Bioelectronics</i> , 2019 , 128, 159-165	11.8	5
213	Ultrasensitive and reusable electrochemical aptasensor for detection of tryptophan using of [Fe(bpy)](p-CHCHSO) as an electroactive indicator. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 163, 180-187	3.5	17
212	Label-free DNA sensor based on diazonium immobilisation for detection of DNA damage in breast cancer 1 gene. <i>Sensors and Actuators B: Chemical</i> , 2018 , 264, 59-66	8.5	19
211	In situ synthesis of a novel organic-inorganic composite as a non-noble metal electrocatalyst for the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 8267-8277	6.7	10
210	Development of a new paper based nano-biosensor using the co-catalytic effect of tyrosinase from banana peel tissue (Musa Cavendish) and functionalized silica nanoparticles for voltammetric determination of l-tyrosine. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 648-654	7.9	26

209	Preparation of Epirubicin Aptasensor Using Curcumin as Hybridization Indicator: Competitive Binding Assay between Complementary Strand of Aptamer and Epirubicin. <i>Electroanalysis</i> , 2018 , 30, 378-385	3	13
208	Bimetallic CuPt/nanoporous carbon composite as an efficient catalyst for methanol oxidation. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 1851-1859	2	
207	An impedimetric biosensor for DNA damage detection and study of the protective effect of deferoxamine against DNA damage. <i>Bioelectrochemistry</i> , 2018 , 122, 142-148	5.6	18
206	Design of an electrochemical DNA-based biosensor for selective determination of cadmium ions using a DNA hybridization indicator. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 1237-1241	7.0	15
205	Sensitive electrochemical DNA-based biosensors for the determination of Ag ⁺ and Hg ²⁺ ions and their application in analysis of amalgam filling. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 1871-1880	2	7
204	An electrochemical sensor based on CuO nanoparticle for simultaneous determination of hydrazine and bisphenol A. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 2271-2279	2	11
203	MOF-derived Cu-Pd/nanoporous carbon composite as an efficient catalyst for hydrogen evolution reaction: A comparison between hydrothermal and electrochemical synthesis. <i>Applied Surface Science</i> , 2018 , 436, 451-459	6.7	37
202	Microbial fuel cell-based self-powered biosensing platform for determination of ketamine as an anesthesia drug in clinical serum samples. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 445-453	2	9
201	Design an aptasensor based on structure-switching aptamer on dendritic gold nanostructures/FeO@SiO ₂ /DABCO modified screen printed electrode for highly selective detection of epirubicin. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 650-657	11.8	46
200	Determination of copper ion by square wave anodic stripping voltammetry at antimony trioxide-modified carbon nanotube paste electrode. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 1263-1270	2	8
199	A sensitive voltammetric detection of pramipexole based on 1,1,3,3-tetramethyldisilazane carbon nanotube modified electrode. <i>Materials Science and Engineering C</i> , 2017 , 75, 784-790	8.3	5
198	Poly (pyrrole- co -aniline) hollow nanosphere supported Pd nanoflowers as high-performance catalyst for methanol electrooxidation in alkaline media. <i>Energy</i> , 2017 , 127, 419-427	7.9	25
197	A rapid synthesis of high surface area PdRu nanospheres: Composition-dependent electrocatalytic activity for formic acid oxidation. <i>Journal of Energy Chemistry</i> , 2017 , 26, 703-711	12	16
196	PdCo porous nanostructures decorated on polypyrrole @ MWCNTs conductive nanocomposite Modified glassy carbon electrode as a powerful catalyst for ethanol electrooxidation. <i>Applied Surface Science</i> , 2017 , 401, 40-48	6.7	24
195	Construction of a highly sensitive signal-on aptasensor based on gold nanoparticles/functionalized silica nanoparticles for selective detection of tryptophan. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 6429-6438	4.4	13
194	Investigation of hot pressing parameters for manufacture of catalyst-coated membrane electrode (CCME) for polymer electrolyte membrane fuel cells by response surface method. <i>Energy</i> , 2017 , 140, 794-803	7.9	11
193	Design of a novel electrochemical biosensor based on intramolecular G-quadruplex DNA for selective determination of lead(II) ions. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4729-4739	4.4	10
192	Rapid detection of single nucleotide mutation in p53 gene based on gold nanoparticles decorated on graphene nanosheets. <i>Journal of Chemical Sciences</i> , 2017 , 129, 131-139	1.8	5

191	Ultrasensitive electrochemical aptasensor based on sandwich architecture for selective label-free detection of colorectal cancer (CT26) cells. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 630-637	11.8	77
190	Voltammetric characterization of human telomeric G-quadruplex: A label free method for anticancer drug detection. <i>Bioelectrochemistry</i> , 2016 , 107, 25-9	5.6	4
189	Utilization of a bioactive anthocyanin for the fabrication of a novel carbon nanotube-based electrochemical sensor and its electrocatalytic properties for selective determination of l-dopa in the presence of uric acid. <i>Ionics</i> , 2016 , 22, 125-134	2.7	8
188	Celestine blue as a new indicator in electrochemical DNA biosensors. <i>Science China Chemistry</i> , 2016 , 59, 128-134	7.9	4
187	Electrodeposition of three-dimensional Pd nanoflowers on a PPy@MWCNTs with superior electrocatalytic activity for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 17987-17994	6.7	44
186	A novel oxidizer-less and high performance microbial fuel cell by using DNA as a final electron acceptor in the cathodic chamber. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 13611-13618	6.7	5
185	Application of phosphotungstic acid/black composite-modified carbon paste electrode for electrocatalytic oxidation of methanol in alkaline solution. <i>Journal of the Iranian Chemical Society</i> , 2016 , 13, 2093-2101	2	4
184	Sensitive amperometric pyridoxine sensor based on self-assembled Prussian blue nanoparticle-modified poly(o-phenylenediamine)/glassy carbon electrode. <i>Applied Organometallic Chemistry</i> , 2016 , 30, 297-303	3.1	6
183	Downregulation of the WT1 gene expression via TMPyP4 stabilization of promoter G-quadruplexes in leukemia cells. <i>Tumor Biology</i> , 2016 , 37, 9967-77	2.9	14
182	Gold Nano-Cages on Graphene support for Sodium Borohydride Electrooxidation. <i>Electrochimica Acta</i> , 2016 , 191, 230-236	6.7	19
181	Synergistic signal amplification based on ionic liquid-ZnO nanoparticle carbon paste electrode for sensitive voltammetric determination of acetaminophen in the presence of NADH. <i>Journal of Molecular Liquids</i> , 2016 , 219, 15-20	6	14
180	Ti/TiO ₂ nanotube array electrode as a new sensor to photoelectrocatalytic determination of ethylene glycol. <i>Bulletin of Materials Science</i> , 2016 , 39, 13-17	1.7	1
179	Diazonium-based impedimetric aptasensor for the rapid label-free detection of Salmonella typhimurium in food sample. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 566-573	11.8	98
178	Label-free and sensitive aptasensor based on dendritic gold nanostructures on functionalized SBA-15 for determination of chloramphenicol. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2557-6544	4.4	29
177	A novel and simple electrochemical sensor for some dopaminergic drugs such as selegiline and pramipexole based on a nickel nanoparticle modified carbon paste electrode. <i>Analytical Methods</i> , 2016 , 8, 2471-2478	3.2	7
176	Efficient nonenzymatic hydrogen peroxide sensor in acidic media based on Prussian blue nanoparticles-modified poly(o-phenylenediamine)/glassy carbon electrode. <i>Chinese Chemical Letters</i> , 2016 , 27, 481-486	8.1	21
175	Cu-Pt bimetallic nanoparticles supported metal organic framework-derived nanoporous carbon as a catalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2016 , 190, 729-736	6.7	48
174	A switchable Gquadruplex device with the potential of a nanomachine for anticancer drug detection. <i>International Journal of Biological Macromolecules</i> , 2016 , 83, 97-102	7.9	2

173	A bimetallic nanocomposite modified genosensor for recognition and determination of thalassemia gene. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 400-8	7.9	8
172	Evaluation of sodium dodecyl sulfate effect on electrocatalytic properties of poly(1-naphtylamine)/nickel-modified carbon paste electrode as an efficient electrode toward electrooxidation of methanol. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2305-2313	2.6	5
171	Pd-Cu/poly(o -Anisidine) nanocomposite as an efficient catalyst for formaldehyde oxidation. <i>Materials Research Bulletin</i> , 2016 , 80, 107-119	5.1	15
170	A novel self-powered and sensitive label-free DNA biosensor in microbial fuel cell. <i>Biosensors and Bioelectronics</i> , 2016 , 82, 173-6	11.8	22
169	SiO ₂ nanoparticles modified CPE as a biosensor for determination of i-motif DNA/Tamoxifen interaction. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 421-7	7.9	5
168	Photoelectrocatalytic degradation of p-hydroxybenzoic acid at the surface of a titanium/titanium dioxide nanotube array electrode using electrochemical monitoring. <i>Materials Science in Semiconductor Processing</i> , 2015 , 31, 651-657	4.3	5
167	Mixed hemi/ad-micelles coated magnetic nanoparticles for the entrapment of hemoglobin at the surface of a screen-printed carbon electrode and its direct electrochemistry and electrocatalysis. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 518-25	11.8	17
166	Novel electrochemical DNA hybridization biosensors for selective determination of silver ions. <i>Talanta</i> , 2015 , 144, 619-26	6.2	25
165	Direct growth of 3D flower-like Pt nanostructures by a template-free electrochemical route as an efficient electrocatalyst for methanol oxidation reaction. <i>Energy</i> , 2015 , 90, 1122-1131	7.9	36
164	A genosensor based on CPE for study the interaction between ketamine as an anesthesia drug with DNA. <i>International Journal of Biological Macromolecules</i> , 2015 , 80, 512-9	7.9	18
163	A simple route for electrochemical preparation of Cu/Pt nanoparticles supported on glassy carbon electrode based on p-isopropyl calix[6]arene matrix and its activity for electrochemical oxidation of H ₂ O ₂ . <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 2037-2044	2	1
162	A human telomeric G-quadruplex-based electronic nanoswitch for the detection of anticancer drugs. <i>Analyst, The</i> , 2015 , 140, 4068-75	5	7
161	Synthesis of Ag nanoparticles for the electrochemical detection of anticancer drug flutamide. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 439-445	11.3	48
160	Development of a new gquadruplex biosensor with the functionalized SBA-15-Au nanoparticles: A platform for selecting gquadruplex-binding ligands. <i>Sensors and Actuators B: Chemical</i> , 2015 , 213, 124-130	8.5	5
159	Gold film supported nanostructured Cu/Pt catalyst with high electrochemical surface area and enhanced electrocatalytic activity for methanol oxidation. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 1561-1568	2	4
158	A Novel Electrochemical Genosensor Based on Banana and Nano-Gold Modified Electrode Using Tyrosinase Enzyme as Indicator. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3394-404	1.3	13
157	A Voltammetric Sensor Based on Modified Multi-Walled Carbon Nanotubes for N-Acetyl-L-Cysteine Determination in the Presence of Tryptophan Using 4-Chlorocatechol as a Homogenous Electrochemical Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3429-36	1.3	3
156	A novel electrochemical biosensor for selective determination of mercury ions based on DNA hybridization. <i>Analytical Biochemistry</i> , 2015 , 488, 12-3	3.1	9

155	MOF-derived Cu/nanoporous carbon composite and its application for electro-catalysis of hydrogen evolution reaction. <i>Energy</i> , 2015 , 90, 1075-1081	7.9	108
154	A bimetallic nanocomposite electrode for direct and rapid biosensing of p53 DNA plasmid. <i>Journal of Chemical Sciences</i> , 2015 , 127, 1607-1617	1.8	15
153	A New Voltammetric Sensor for Hydrazine Based on Michael Addition Reaction Using 1-Amino-2-naphthol-4-sulfonic Acid. <i>Journal of the Chinese Chemical Society</i> , 2015 , 62, 90-96	1.5	3
152	A high sensitive electrochemical nanosensor for simultaneous determination of glutathione, NADH and folic acid. <i>Materials Science and Engineering C</i> , 2015 , 47, 77-84	8.3	40
151	Palladium-doped mesoporous silica SBA-15 modified in carbon-paste electrode as a sensitive voltammetric sensor for detection of oxalic acid. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 291-296	8.5	32
150	Synthesis of Pt/Cu/poly (o -Anisidine) nanocomposite onto carbon paste electrode and its application for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 292-302	6.7	16
149	ZnO Nanoparticle Ionic Liquids Carbon Paste Electrode as a Voltammetric Sensor for Determination of Sudan I in the Presence of Vitamin B6 in Food Samples. <i>Food Analytical Methods</i> , 2015 , 8, 885-892	3.4	18
148	A Genosensor for Point Mutation Detection of P53 Gene PCR Product Using Magnetic Particles. <i>Electroanalysis</i> , 2015 , 27, 1378-1386	3	28
147	A simple and effective route for preparation of platinum nanoparticle and its application for electrocatalytic oxidation of methanol and formaldehyde. <i>Journal of Molecular Liquids</i> , 2015 , 212, 767-774	6.4	13
146	Fabrication of bimetallic Cu/Pd particles modified carbon nanotube paste electrode and its use towards formaldehyde electrooxidation. <i>Journal of Molecular Liquids</i> , 2015 , 204, 106-111	6	18
145	Improved hydrogen evolution on glassy carbon electrode modified with novel Pt/cetyltrimethylammonium bromide nanoscale aggregates. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 216-220	11.3	7
144	Cobalt oxide nanoparticle-modified carbon nanotubes as an electrocatalysts for electrocatalytic evolution of oxygen gas. <i>Bulletin of Materials Science</i> , 2015 , 38, 135-140	1.7	12
143	Photoelectrochemical oxidation of hydrazine on TiO ₂ modified titanium electrode: its application for detection of hydrazine. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 779-783	2.6	19
142	Simultaneous and sensitive detection of dopamine and uric acid using a poly(L-methionine)/gold nanoparticle-modified glassy carbon electrode. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 423-429	11.3	26
141	Rapid fabrication of Cu/Pd nano/micro-particles porous-structured catalyst using hydrogen bubbles dynamic template and their enhanced catalytic performance for formic acid electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 7788-7797	6.7	40
140	Pt/Cu nanostructures electrodeposited on graphene nanosheets for methanol electrooxidation. <i>Journal of Power Sources</i> , 2014 , 264, 76-82	8.9	39
139	A highly sensitive electrochemical sensor for simultaneous voltammetric determination of noradrenaline, acetaminophen, xanthine and caffeine based on a flavonoid nanostructured modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 634-641	8.5	87
138	Silver nanoparticle decorated poly(2-aminodiphenylamine) modified carbon paste electrode as a simple and efficient electrocatalyst for oxidation of formaldehyde. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 1565-1570	11.3	7

137	Preparation of Pt/poly (2-Methoxyaniline)-sodium dodecyl sulfate composite and its application for electrocatalytic oxidation of methanol and formaldehyde. <i>Electrochimica Acta</i> , 2014 , 141, 340-348	6.7	21
136	Comparison between graphene supported Pt hollow nanospheres and graphene supported Pt solid nanoparticles for hydrogen evolution reaction. <i>Energy</i> , 2014 , 74, 871-876	7.9	43
135	Preparation of Pt/poly(2-Methoxyaniline)/multi-walled carbon nanotube nanocomposite and its application for electrocatalytic oxidation of methanol. <i>Journal of Molecular Liquids</i> , 2014 , 200, 196-204	6	19
134	Photoinduced deposition of palladium nanoparticles on TiO ₂ nanotube electrode and investigation of its capability for formaldehyde oxidation. <i>Electrochimica Acta</i> , 2014 , 138, 468-475	6.7	19
133	Hydrogen evolution assisted electrodeposition of bimetallic 3D nano/micro-porous PtPd films and their electrocatalytic performance. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 8194-8203	6.7	43
132	Au hollow nanospheres on graphene support as catalyst for sodium borohydride electrooxidation. <i>Applied Surface Science</i> , 2014 , 311, 245-251	6.7	25
131	Nitrite electrochemical sensor for food analysis based on direct immobilization of hemoglobin on multi-walled carbon nanotube ionic liquid electrode. <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 1217-1222	2	11
130	Development of a new biosensor based on functionalized SBA-15 modified screen-printed graphite electrode as a nano-reactor for Gquadruplex recognition. <i>Talanta</i> , 2014 , 119, 24-33	6.2	13
129	A new peptide nucleotide acid biosensor for electrochemical detection of single nucleotide polymorphism in duplex DNA via triplex structure formation. <i>Journal of the Iranian Chemical Society</i> , 2013 , 10, 1075-1083	2	19
128	Electrocatalytic oxidation and selective determination of an opioid analgesic methadone in the presence of acetaminophen at a glassy carbon electrode modified with functionalized multi-walled carbon nanotubes: application for human urine, saliva and pharmaceutical samples analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 109, 287-293	6	31
127	Preparation of Ag/NaA zeolite modified carbon paste electrode as a DNA biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 319-325	8.5	32
126	High electrocatalysis of ethylene glycol oxidation based on nickel particles electrodeposited into poly (m-toluidine)/Triton X-100 composite. <i>Journal of Applied Electrochemistry</i> , 2013 , 43, 927-937	2.6	7
125	Carbon paste electrode incorporating multi-walled carbon nanotube/ferrocene as a sensor for the electroanalytical determination of N-acetyl-L-cysteine in the presence of tryptophan. <i>Journal of Chemical Sciences</i> , 2013 , 125, 283-289	1.8	13
124	Fabrication of a bimetallic Cu/Pt particle-modified carbon nanotube paste electrode and its use for the electrocatalytic oxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 16394-16401	6.7	11
123	Fabrication and Performance Evaluation of Carbon Paste [Poly(N-Methylaniline)]Nickel Composite Electrode toward Electrocatalytic Oxidation of Ethanol. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013 , 50, 541-546	2.2	2
122	Indigo Carmine as New Label in PNA Biosensor for Detection of Short Sequence of p53 Tumor Suppressor Gene. <i>Electroanalysis</i> , 2013 , 25, 2075-2083	3	21
121	Photoelectrocatalytic degradation of 3-nitrophenol at surface of Ti/TiO ₂ electrode. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 63-68	2.6	14
120	Pt nanoparticles/graphene paste electrode for sodium borohydride electrooxidation. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 217-221	2.6	13

119	Parametric study on electrochemical deposition of hair shaped PtRu as methanol oxidation catalyst. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 16062-16070	6.7	5
118	Copper-poly (2-aminodiphenylamine) composite as catalyst for electrocatalytic oxidation of formaldehyde in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 5457-5463	6.7	23
117	Ni/ZSM-5 Zeolite Modified Carbon Paste Electrode as an Efficient Electrode for Electrocatalytic Oxidation of Formaldehyde. <i>Journal of the Chinese Chemical Society</i> , 2013 , 60, 546-550	1.5	3
116	Electrochemical synthesis of a novel platinum nanostructure on a glassy carbon electrode, and its application to the electrooxidation of methanol. <i>Mikrochimica Acta</i> , 2013 , 180, 879-886	5.8	16
115	A novel and simple electrochemical sensor for electrocatalytic reduction of nitrite and oxidation of phenylhydrazine based on poly (o-anisidine) film using ionic liquid carbon paste electrode. <i>Applied Surface Science</i> , 2013 , 271, 98-104	6.7	31
114	One-step electroless deposition of Pd/Pt bimetallic microstructures by galvanic replacement on copper substrate and investigation of its performance for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 92-99	6.7	71
113	Introduction of Ketamine as a G-Quadruplex-Binding Ligand Using Platinum Nanoparticle Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2013 , 25, 2659-2667	3	18
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