

# Mahmoud Roushani

## List of Publications by Year in descending order

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121  
papers

3,705  
citations

136950

32  
h-index

182427

51  
g-index

121  
all docs

121  
docs citations

121  
times ranked

3532  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedimetric ultrasensitive detection of trypsin based on hybrid aptamer-2DMIP using a glassy carbon electrode modified by nickel oxide nanoparticle. <i>Microchemical Journal</i> , 2022, 172, 106955.	4.5	23
2	Hierarchical nickel hydroxide nanosheets grown on hollow nitrogen doped carbon nanoboxes as a high-performance surface substrate for alpha-fetoprotein cancer biomarkers electrochemical aptasensing. <i>Talanta</i> , 2022, 237, 122924.	5.5	25
3	A novel ultrasensitive biosensor based on NiCo-MOF nanostructure and confined to flexible carbon nanofibers with high-surface skeleton to rapidly detect <i>Helicobacter pylori</i> . <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106351.	4.0	17
4	Amorphous Ni(OH) <sub>2</sub> nano-boxes as a high performance substrate for aptasensor application. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 189, 110649.	5.0	6
5	Gold nanostructures integrated on hollow carbon N-doped nanocapsules as a novel high-performance aptasensing platform for <i>Helicobacter pylori</i> detection. <i>Journal of Materials Science</i> , 2022, 57, 589-597.	3.7	7
6	Novel Electrochemical Sensor Based on Electropolymerized Dopamine Molecularly Imprinted Polymer for Selective Detection of Pantoprazole. <i>IEEE Sensors Journal</i> , 2022, 22, 6263-6269.	4.7	9
7	Three-dimensional modeling of streptomycin binding single-stranded DNA for aptamer-based biosensors, a molecular dynamics simulation approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, , 1-10.	3.5	4
8	Development of a dual-recognition strategy for the aflatoxin B1 detection based on a hybrid of aptamer-MIP using a Cu <sub>2</sub> O NCs/GCE. <i>Microchemical Journal</i> , 2022, 178, 107328.	4.5	27
9	Label-free electrochemical aptasensor for rapid detection of SARS-CoV-2 spike glycoprotein based on the composite of Cu(OH) <sub>2</sub> nanorods arrays as a high-performance surface substrate. <i>Bioelectrochemistry</i> , 2022, 146, 108106.	4.6	25
10	A new method for electrochemical determination of Hippuric acid based on molecularly imprinted copolymer. <i>Talanta</i> , 2022, 246, 123491.	5.5	22
11	Metal-organic frameworks-derived Zn-Ni-P nanostructures as high performance electrode materials for electrochemical sensing. <i>Journal of Electroanalytical Chemistry</i> , 2022, 918, 116441.	3.8	8
12	Synthesis and characterization of NiCo-X (X = OH, S, Se, P) nanodiscs and comparison of their electrocatalytic performances in an electrochemical sensing platform. <i>New Journal of Chemistry</i> , 2022, 46, 14616-14625.	2.8	5
13	Hollow carbon nanocapsules-based nitrogen-doped carbon nanofibers with rosary-like structure as a high surface substrate for impedimetric detection of <i>Pseudomonas aeruginosa</i> . <i>Talanta</i> , 2021, 223, 121700.	5.5	19
14	Three-dimensional NiCo <sub>2</sub> O <sub>4</sub> nanowires encapsulated in nitrogen-doped carbon networks as a high-performance aptamer stabilizer for impedimetric ultrasensitive detection of hepatitis C virus core antigen. <i>Surfaces and Interfaces</i> , 2021, 22, 100813.	3.0	18
15	Fabrication of an electrochemical biodevice for ractopamine detection under a strategy of a double recognition of the aptamer/molecular imprinting polymer. <i>Bioelectrochemistry</i> , 2021, 138, 107722.	4.6	21
16	Electrochemical immunosensor with Cu <sub>2</sub> O nanocube coating for detection of SARS-CoV-2 spike protein. <i>Mikrochimica Acta</i> , 2021, 188, 105.	5.0	101
17	Flexible NiP <sub>2</sub> @hollow N-doped nanocapsules/carbon nanofiber as a freestanding electrode for glucose sensing. <i>Composites Communications</i> , 2021, 25, 100686.	6.3	15
18	Two-Dimensional Mesoporous Copper Hydroxide Nanosheets Shelled on Hollow Nitrogen-Doped Carbon Nanoboxes as a High Performance Aptasensing Platform. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11080-11090.	6.7	18

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19	Metal-organic framework-derived CoNi-P nanoparticles confined into flexible carbon nanofibers skeleton as high-performance oxygen reduction reaction catalysts. <i>Surfaces and Interfaces</i> , 2021, 25, 101207.	3.0	10
20	Rationally designed of hollow nitrogen doped carbon nanotubes double shelled with hierarchical nickel hydroxide nanosheet as a high performance surface substrate for cortisol aptasensing. <i>Electrochimica Acta</i> , 2021, 388, 138608.	5.2	16
21	An electrochemical immunosensor using SARS-CoV-2 spike protein-nickel hydroxide nanoparticles bio-conjugate modified SPCE for ultrasensitive detection of SARS-CoV-2 antibodies. <i>Microchemical Journal</i> , 2021, 170, 106718.	4.5	47
22	A novel electrochemical sensor for the determination of histidine based on a molecularly imprinted copolymer. <i>Analytical Methods</i> , 2021, 13, 4904-4910.	2.7	9
23	Selective detection of Asulam with in-situ dopamine electropolymerization based electrochemical MIP sensor. <i>Reactive and Functional Polymers</i> , 2021, 169, 105069.	4.1	19
24	Thionine functionalized hollow N-doped carbon nanoboxes: As a high-performance substrate for fabrication of label-free electrochemical aptasensor toward ultrasensitive detection of carcinoembryonic antigen. <i>Journal of Electroanalytical Chemistry</i> , 2021, 903, 115858.	3.8	8
25	The development of an electrochemical nanoaptasensor to sensing chloramphenicol using a nanocomposite consisting of graphene oxide functionalized with (3-aminopropyl) triethoxysilane and silver nanoparticles. <i>Materials Science and Engineering C</i> , 2020, 108, 110388.	7.3	55
26	Designing of an ultrasensitive BCM-7 aptasensor based on an SPCE modified with AuNR for promising distinguishing of autism disorder. <i>Talanta</i> , 2020, 209, 120506.	5.5	11
27	AgNPs/QDs@GQDs nanocomposites developed as an ultrasensitive impedimetric aptasensor for ractopamine detection. <i>Materials Science and Engineering C</i> , 2020, 108, 110507.	7.3	30
28	Cu-In-S/ZnS quantum dots/silver nanoparticles nanocomposites-modified electrode as an electrochemical label-free aptasensor for the detection of $\beta$ -casomorphin 7 in early distinguish of autism. <i>Microchemical Journal</i> , 2020, 159, 105514.	4.5	10
29	Hierarchical hollow sea-urchin-like Ni-Co diselenide encapsulated in N-doped carbon networks as an advanced core-shell bifunctional electrocatalyst for fabrication of nonenzymatic glucose and hydrogen peroxide sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128730.	7.8	26
30	Electrochemical immunosensor for determination of Staphylococcus aureus bacteria by IgY immobilized on glassy carbon electrode with electrodeposited gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 567.	5.0	20
31	Facile synthesis of a covalent organic framework (COF) based on the reaction of melamine and trimesic acid incorporated electrospun nanofiber and its application as an electrochemical tyrosinamide aptasensor. <i>New Journal of Chemistry</i> , 2020, 44, 14922-14927.	2.8	28
32	Novel electrochemical sensor based on polydopamine molecularly imprinted polymer for sensitive and selective detection of <i>Acinetobacter baumannii</i> . <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2407-2413.	2.2	23
33	Architecting of a biodevice based on a screen-printed carbon electrode modified with the NiONP nanolayer and aptamer in BCM-7 detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110932.	5.0	11
34	Rational design of hollow core-double shells hybrid nanoboxes and nanopipes composed of hierarchical Cu-Ni-Co selenides anchored on nitrogen-doped carbon skeletons as efficient and stable bifunctional electrocatalysts for overall water splitting. <i>Chemical Engineering Journal</i> , 2020, 402, 126174.	12.7	69
35	Pd/[C2NH2mim][Br] Thin Film Versus Pd/[C8mim][Cl] or Pd/[C8mim][BF4]: Catalytic Applications in Electrooxidation of Methanol, p-Nitrophenol Reduction and C-C Coupling Reaction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3448-3475.	3.7	5
36	Determination of BCM-7 based on an ultrasensitive aptasensor fabricated of gold nanoparticles and ZnS quantum dots. <i>Materials Today Communications</i> , 2020, 23, 101066.	1.9	8

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37	Pd(II) and Pt(II) Metallacycles with Unsymmetrical Ylide: Antiproliferative Effects and Application in Electrocatalytic Oxidation of Methanol. <i>ChemistrySelect</i> , 2019, 4, 11398-11405.	1.5	3
38	Impedimetric aptasensor for <i>Pseudomonas aeruginosa</i> by using a glassy carbon electrode modified with silver nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 725.	5.0	26
39	Impedimetric ultrasensitive detection of chloramphenicol based on aptamer MIP using a glassy carbon electrode modified by 3-ampy-RGO and silver nanoparticle. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110451.	5.0	60
40	Ti(IV) ion-imprinted polymer as a new selective sorbent for extraction and pre-concentration of trace amounts of titanium ions in different samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 1586-1603.	3.3	3
41	Fabrication of novel metanil yellow/multi wall carbon nanotubes-chitosan/modified glassy carbon electrode and its application for sensitive determination of persulfate. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113192.	3.8	22
42	Screen printed carbon electrode sensor with thiol graphene quantum dots and gold nanoparticles for voltammetric determination of solatol. <i>Heliyon</i> , 2019, 5, e01984.	3.2	23
43	An electrochemical tyrosinamide aptasensor using a glassy carbon electrode modified by N-acetyl-L-cysteine-capped Ag-In-S QDs. <i>Materials Science and Engineering C</i> , 2019, 102, 653-660.	7.3	15
44	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.	2.2	8
45	A nano-sized chitosan particle based electrochemical aptasensor for sensitive detection of <i>P. aeruginosa</i> . <i>Analytical Methods</i> , 2019, 11, 5591-5597.	2.7	23
46	Development of electrochemical sensor based on molecularly imprinted copolymer for detection of nitrofurantoin. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 999-1006.	2.2	22
47	Applicability of AuNPs@N-GQDs nanocomposite in the modeling of the amplified electrochemical Ibuprofen aptasensing assay by monitoring of riboflavin. <i>Bioelectrochemistry</i> , 2019, 126, 38-47.	4.6	35
48	An electrochemical aptasensor for streptomycin based on covalent attachment of the aptamer onto a mesoporous silica thin film-coated gold electrode. <i>Mikrochimica Acta</i> , 2019, 186, 115.	5.0	27
49	Preparation of Modified Magnetic Cobalt Nanoparticles as a New Magnetic Sorbent for the Preconcentration and Determination of Trace Amounts of Lead Ions in Environmental Water and Soil (Air-Dust) Samples. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 645-657.	1.4	12
50	Impedimetric detection of cocaine by using an aptamer attached to a screen printed electrode modified with a dendrimer/silver nanoparticle nanocomposite. <i>Mikrochimica Acta</i> , 2018, 185, 214.	5.0	25
51	Polymerization of graphene oxide nanosheet by using of aminoclay: Electrocatalytic activity of its platinum nanohybrids. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3894.	3.5	12
52	A novel electrochemical aptasensor for highly sensitive and quantitative detection of the streptomycin antibiotic. <i>Bioelectrochemistry</i> , 2018, 120, 43-48.	4.6	49
53	A nanohybrid probe based on double recognition of an aptamer MIP grafted onto a MWCNTs-Chit nanocomposite for sensing hepatitis C virus core antigen. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1066-1071.	7.8	74
54	Facile synthesis of PtSnZn nanosheet thin film at oil-water interface by use of organometallic complexes: An efficient catalyst for methanol oxidation and <i>p</i> -nitrophenol reduction reactions. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3979.	3.5	16

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55	A novel aptasensor based on gold nanorods/ZnS QDs-modified electrode for evaluation of streptomycin antibiotic. <i>Analytical Methods</i> , 2018, 10, 5197-5204.	2.7	21
56	A glassy carbon electrode with electrodeposited silver nanoparticles for aptamer based voltammetric determination of trinitrotoluene using riboflavin as a redox probe. <i>Mikrochimica Acta</i> , 2018, 185, 558.	5.0	19
57	An electrochemical chlorpyrifos aptasensor based on the use of a glassy carbon electrode modified with an electropolymerized aptamer-imprinted polymer and gold nanorods. <i>Mikrochimica Acta</i> , 2018, 185, 551.	5.0	56
58	Development of Electrochemical Sensor Based on Glassy Carbon Electrode Modified with a Molecularly Imprinted Copolymer and its Application for Detection of Repaglinide. <i>Electroanalysis</i> , 2018, 30, 2712-2718.	2.9	13
59	A novel electrochemical sensor based on electrode modified with gold nanoparticles and molecularly imprinted polymer for rapid determination of trazosin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 594-600.	5.0	29
60	Designing an electrochemical aptasensor based on immobilization of the aptamer onto nanocomposite for detection of the streptomycin antibiotic. <i>Microchemical Journal</i> , 2018, 141, 96-103.	4.5	26
61	Dual detection of Malation and Hg (II) by fluorescence switching of graphene quantum dots. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 308-313.	2.9	13
62	Application of ion-imprinted polymer synthesized by precipitation polymerization as an efficient and selective sorbent for separation and pre-concentration of chromium ions from some real samples. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 2241-2249.	2.2	20
63	The use of a signal amplification strategy for the fabrication of a TNT impedimetric nanoaptasensor based on electrodeposited NiONPs immobilized onto a GCE surface. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 848-853.	7.8	27
64	Ultra-sensitive detection of ibuprofen (IBP) by electrochemical aptasensor using the dendrimer-quantum dot (Den-QD) bioconjugate as an immobilization platform with special features. <i>Materials Science and Engineering C</i> , 2017, 75, 1091-1096.	7.3	20
65	TiO <sub>2</sub> nanoparticles doped with Celestine Blue as a label in a sandwich immunoassay for the hepatitis C virus core antigen using a screen printed electrode. <i>Mikrochimica Acta</i> , 2017, 184, 2015-2022.	5.0	21
66	Development of novel electrochemical sensor on the base of molecular imprinted polymer decorated on SiC nanoparticles modified glassy carbon electrode for selective determination of loratadine. <i>Materials Science and Engineering C</i> , 2017, 71, 1106-1114.	7.3	32
67	Application of graphene quantum dots as green homogenous nanophotocatalyst in the visible-light-driven photolytic process. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5135-5143.	2.2	19
68	Amperometric NADH sensor based on a carbon ceramic electrode modified with the natural carotenoid crocin and multi-walled carbon nanotubes. <i>Mikrochimica Acta</i> , 2017, 184, 473-481.	5.0	16
69	Flame Atomic Absorption Spectrometric Determination of Cadmium in Vegetable and Water Samples After Preconcentration Using Magnetic Solid-Phase Extraction. <i>International Journal of Vegetable Science</i> , 2017, 23, 304-320.	1.3	14
70	A glassy carbon immunoelectrode modified with vanadium oxide nanobelts for ultrasensitive voltammetric determination of the core antigen of hepatitis C virus. <i>Mikrochimica Acta</i> , 2017, 184, 4477-4483.	5.0	12
71	Using Au@nano-C60 nanocomposite as an enhanced sensing platform in modeling a TNT aptasensor. <i>Analytical Biochemistry</i> , 2017, 534, 78-85.	2.4	18
72	Ultra-sensitive aptasensor based on a GQD nanocomposite for detection of hepatitis C virus core antigen. <i>Analytical Biochemistry</i> , 2017, 534, 64-69.	2.4	86

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73	Impedimetric detection of trinitrotoluene by using a glassy carbon electrode modified with a gold nanoparticle@fullerene composite and an aptamer-imprinted polydopamine. <i>Mikrochimica Acta</i> , 2017, 184, 3997-4006.	5.0	40
74	Using silver nanoparticle and thiol graphene quantum dots nanocomposite as a substratum to load antibody for detection of hepatitis C virus core antigen: Electrochemical oxidation of riboflavin was used as redox probe. <i>Biosensors and Bioelectronics</i> , 2017, 89, 946-951.	10.1	101
75	Designing an ultra-sensitive aptasensor based on an AgNPs/thiol-GQD nanocomposite for TNT detection at femtomolar levels using the electrochemical oxidation of Rutin as a redox probe. <i>Biosensors and Bioelectronics</i> , 2017, 87, 724-731.	10.1	83
76	Determination of Trace Amounts of Cadmium Ions in Water and Plant Samples Using Ligand-Less Solid Phase Extraction-Based Modified Co <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1921-1930.	1.4	8
77	Development of Nonenzymatic Hydrogen Peroxide Sensor Based on Successive Pd/Ag Electrodeposited Nanoparticles on Glassy Carbon Electrode. <i>Electroanalysis</i> , 2016, 28, 787-793.	2.9	13
78	Highly sensitive colorimetric determination of malathion using gold nanoparticles. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 1214-1220.	2.1	10
79	Development of sensitive amperometric hydrogen peroxide sensor using a CuNPs/MB/MWCNT-C60-Cs-IL nanocomposite modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2016, 64, 54-60.	7.3	27
80	Effect of metal alloying on morphology and catalytic activity of platinum-based nanostructured thin films in methanol oxidation reaction. <i>RSC Advances</i> , 2016, 6, 45753-45767.	3.6	18
81	Electroanalytical sensing of Cd <sup>2+</sup> based on metal-organic framework modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 419-425.	7.8	87
82	Electrocatalytic oxidation behavior of NADH at Pt/Fe <sub>3</sub> O <sub>4</sub> /reduced-graphene oxide nano hybrids modified glassy carbon electrode and its determination. <i>Materials Science and Engineering C</i> , 2016, 67, 237-246.	7.3	17
83	A simple and label-free aptasensor based on amino group-functionalized gold nanocomposites-Prussian blue/carbon nanotubes as labels for signal amplification. <i>Journal of Electroanalytical Chemistry</i> , 2016, 776, 170-179.	3.8	18
84	Separation of Ag(I) Ions from <i>Lepidium draba</i> L. Plant and Water and Standard Samples by Carrier Element-Free Coprecipitation Method Prior to their Flame Atomic Absorption Spectrometric Determination. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 1207-1215.	1.4	5
85	Covalent attachment of aptamer onto nanocomposite as a high performance electrochemical sensing platform: Fabrication of an ultra-sensitive ibuprofen electrochemical aptasensor. <i>Materials Science and Engineering C</i> , 2016, 68, 128-135.	7.3	30
86	Voltammetric immunosensor for human chorionic gonadotropin using a glassy carbon electrode modified with silver nanoparticles and a nanocomposite composed of graphene, chitosan and ionic liquid, and using riboflavin as a redox probe. <i>Mikrochimica Acta</i> , 2016, 183, 845-853.	5.0	36
87	Fabrication of an electrochemical nanoaptasensor based on AuNPs for ultrasensitive determination of cocaine in serum sample. <i>Materials Science and Engineering C</i> , 2016, 61, 599-607.	7.3	28
88	Layer-by-layer assembly of gold nanoparticles and cysteamine on gold electrode for immunosensing of human chorionic gonadotropin at picogram levels. <i>Materials Science and Engineering C</i> , 2016, 61, 344-350.	7.3	24
89	An aptasensor for voltammetric and impedimetric determination of cocaine based on a glassy carbon electrode modified with platinum nanoparticles and using rutin as a redox probe. <i>Mikrochimica Acta</i> , 2016, 183, 185-193.	5.0	32
90	Conformation switching of an aptamer based on cocaine enhancement on a surface of modified GCE. <i>Talanta</i> , 2016, 154, 7-14.	5.5	31

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91	An impedimetric aptasensor based on water soluble cadmium telluride (CdTe) quantum dots (QDs) for detection of ibuprofen. <i>Journal of Electroanalytical Chemistry</i> , 2016, 763, 18-24.	3.8	25
92	Synthesis and application of ion-imprinted polymer for extraction and pre-concentration of iron ions in environmental water and food samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 637-644.	3.9	32
93	Using electrochemical oxidation of Rutin in modeling a novel and sensitive immunosensor based on Pt nanoparticle and graphene-ionic liquid-chitosan nanocomposite to detect human chorionic gonadotropin. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 1103-1111.	7.8	71
94	Novel electrochemical sensor based on carbon nanodots/chitosan nanocomposite for the detection of tryptophan. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1875-1882.	2.2	18
95	Synthesis and application of ion-imprinted polymer nanoparticles for the determination of nickel ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 534-543.	3.9	36
96	Fabrication of an ultrasensitive ibuprofen nanoaptasensor based on covalent attachment of aptamer to electrochemically deposited gold-nanoparticles on glassy carbon electrode. <i>Talanta</i> , 2015, 144, 510-516.	5.5	35
97	Development of nonenzymatic hydrogen peroxide sensor based on catalytic properties of copper nanoparticles/Rutin/MWCNTs/IL/Chit. <i>Catalysis Communications</i> , 2015, 69, 133-137.	3.3	24
98	Synthesis and application of ion-imprinted polymer nanoparticles for the extraction and preconcentration of copper ions in environmental water samples. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 219.	2.7	12
99	Graphene quantum dots as novel and green nano-materials for the visible-light-driven photocatalytic degradation of cationic dye. <i>Journal of Molecular Catalysis A</i> , 2015, 409, 102-109.	4.8	130
100	Synthesis and application of ion-imprinted polymer nanoparticles for the extraction and preconcentration of mercury in water and food samples employing cold vapor atomic absorption spectrometry. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 601.	2.7	20
101	A novel ultrasensitive aptasensor based on silver nanoparticles measured via enhanced voltammetric response of electrochemical reduction of riboflavin as redox probe for cocaine detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 764-771.	7.8	83
102	Synthesis and application of ion-imprinted polymer nanoparticles for the extraction and preconcentration of zinc ions. <i>Food Chemistry</i> , 2015, 173, 266-273.	8.2	44
103	A highly selective and sensitive cocaine aptasensor based on covalent attachment of the aptamer-functionalized AuNPs onto nanocomposite as the support platform. <i>Analytica Chimica Acta</i> , 2015, 853, 214-221.	5.4	61
104	Ion imprinted polymeric nanoparticles for selective separation and sensitive determination of zinc ions in different matrices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 24-33.	3.9	62
105	Highly selective detection of dopamine in the presence of ascorbic acid and uric acid using thioglycolic acid capped CdTe quantum dots modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2014, 712, 19-24.	3.8	74
106	Electrochemical detection of butylated hydroxyanisole based on glassy carbon electrode modified by iridium oxide nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 147-152.	3.8	27
107	High CO tolerance of Pt/Fe <sub>2</sub> O <sub>3</sub> nanohybrid thin film suitable for methanol oxidation in alkaline medium. <i>RSC Advances</i> , 2014, 4, 46992-46999.	3.6	30
108	Sensitive quantification of trace zinc in water samples by adsorptive stripping voltammetry. <i>Water Science and Technology</i> , 2014, 69, 438-442.	2.5	3

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109	Amperometric determination of sulfide ion by glassy carbon electrode modified with multiwall carbon nanotubes and copper (II) phenanthroline complex. <i>Open Chemistry</i> , 2014, 12, 1091-1099.	1.9	15
110	Electrochemical Detection of Persulfate at the Modified Glassy Carbon Electrode with Nanocomposite Containing Nano-Ruthenium Oxide/Thionine and Nano-Ruthenium Oxide/Celestine Blue. <i>Electroanalysis</i> , 2014, 26, 1761-1772.	2.9	19
111	Novel electrochemical sensor based on graphene quantum dots/riboflavin nanocomposite for the detection of persulfate. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 503-510.	7.8	87
112	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.	5.2	38
113	Amperometric detection of hydrogen peroxide at nano-ruthenium oxide/riboflavin nanocomposite-modified glassy carbon electrodes. <i>Electrochimica Acta</i> , 2013, 113, 134-140.	5.2	38
114	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.	2.9	24
115	Development of a highly selective voltammetric sensor for nanomolar detection of mercury ions using glassy carbon electrode modified with a novel ion imprinted polymeric nanobeads and multi-wall carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2013, 693, 16-22.	3.8	127
116	Highly Sensitive and Selective Amperometric Detection of Periodate at Glassy Carbon Electrode Modified with a Cyclometalated Iridium(III) Complex and Single-Wall Carbon Nanotubes. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 171-178.	1.4	5
117	Amperometric detection of Glycine, L-Serine, and L-Alanine using glassy carbon electrode modified by NiO nanoparticles. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 1005-1011.	2.9	62
118	Novel approach for electrochemical preparation of sulfur nanoparticles. <i>Mikrochimica Acta</i> , 2011, 173, 445-451.	5.0	46
119	Picomolar Detection of Insulin at Renewable Nickel Powder-Doped Carbon Composite Electrode. <i>Analytical Chemistry</i> , 2007, 79, 7431-7438.	6.5	72
120	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.	5.2	41
121	Electrocatalytic Oxidation of Sulfur Containing Amino Acids at Renewable Ni-Powder Doped Carbon Ceramic Electrode: Application to Amperometric Detection of L-Cystine, L-Cysteine and L-Methionine. <i>Electroanalysis</i> , 2006, 18, 2129-2136.	2.9	44