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	Graphene quantum dots as novel and green nano-materials for the visible-light-driven photocatalytic degradation of cationic dye. Journal of Molecular Catalysis A, 2015, 409, 102-109.	4.8	130
2	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. Journal of Electroanalytical Chemistry, 2013, 693, 16-22.	3.8	127
3	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. Biosensors and Bioelectronics, 2017, 89, 946-951.	10.1	101
4	Electrochemical immunosensor with Cu2O nanocube coating for detection of SARS-CoV-2 spike protein. Mikrochimica Acta, 2021, 188, 105.	5.0	101
5	Novel electrochemical sensor based on graphene quantum dots/riboflavin nanocomposite for the detection of persulfate. Sensors and Actuators B: Chemical, 2014, 201, 503-510.	7.8	87
6	Electroanalytical sensing of Cd2+ based on metalâ€“organic framework modified carbon paste electrode. Sensors and Actuators B: Chemical, 2016, 233, 419-425.	7.8	87
7	Ultra-sensitive aptasensor based on a GQD nanocomposite for detection of hepatitis C virus core antigen. Analytical Biochemistry, 2017, 534, 64-69.	2.4	86
8	A novel ultrasensitive aptasensor based on silver nanoparticles measured via enhanced voltammetric response of electrochemical reduction of riboflavin as redox probe for cocaine detection. Sensors and Actuators B: Chemical, 2015, 207, 764-771.	7.8	83
9	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. Biosensors and Bioelectronics, 2017, 87, 724-731.	10.1	83
10	Highly selective detection of dopamine in the presence of ascorbic acid and uric acid using thioglycolic acid capped CdTe quantum dots modified electrode. Journal of Electroanalytical Chemistry, 2014, 712, 19-24.	3.8	74
11	A nanohybrid probe based on double recognition of an aptamer MIP grafted onto a MWCNTs-Chit nanocomposite for sensing hepatitis C virus core antigen. Sensors and Actuators B: Chemical, 2018, 258, 1066-1071.	7.8	74
12	Picomolar Detection of Insulin at Renewable Nickel Powder-Doped Carbon Composite Electrode. Analytical Chemistry, 2007, 79, 7431-7438.	6.5	72
13	Using electrochemical oxidation of Rutin in modeling a novel and sensitive immunosensor based on Pt nanoparticle and grapheneâ€“ionic liquidâ€“chitosan nanocomposite to detect human chorionic gonadotropin. Sensors and Actuators B: Chemical, 2016, 222, 1103-1111.	7.8	71
14	Rational design of hollow core-double shells hybrid nanoboxes and nanopipes composed of hierarchical Cu-Ni-Co selenides anchored on nitrogenâ€doped carbon skeletons as efficient and stable bifunctional electrocatalysts for overall water splitting. Chemical Engineering Journal, 2020, 402, 126174.	12.7	69
15	Amprometric detection of Glycine, l-Serine, and l-Alanine using glassy carbon electrode modified by NiO nanoparticles. Journal of Applied Electrochemistry, 2012, 42, 1005-1011.	2.9	62
16	Ion imprinted polymeric nanoparticles for selective separation and sensitive determination of zinc ions in different matrices. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 24-33.	3.9	62
17	A highly selective and sensitive cocaine aptasensor based on covalent attachment of the aptamer-functionalized AuNPs onto nanocomposite as the support platform. Analytica Chimica Acta, 2015, 853, 214-221.	5.4	61
18	Impedimetric ultrasensitive detection of chloramphenicol based on aptamer MIP using a glassy carbon electrode modified by 3-ampy-RGO and silver nanoparticle. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110451.	5.0	60

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19	An electrochemical chlorpyrifos aptasensor based on the use of a glassy carbon electrode modified with an electropolymerized aptamer-imprinted polymer and gold nanorods. Mikrochimica Acta, 2018, 185, 551.	5.0	56
20	The development of an electrochemical nanoaptasensor to sensing chloramphenicol using a nanocomposite consisting of graphene oxide functionalized with (3â€Aminopropyl) triethoxysilane and silver nanoparticles. Materials Science and Engineering C, 2020, 108, 110388.	7.3	55
21	A novel electrochemical aptasensor for highly sensitive and quantitative detection of the streptomycin antibiotic. Bioelectrochemistry, 2018, 120, 43-48.	4.6	49
22	An electrochemical immunosensor using SARS-CoV-2 spike protein-nickel hydroxide nanoparticles bio-conjugate modified SPCE for ultrasensitive detection of SARSâ€CoVâ€2 antibodies. Microchemical Journal, 2021, 170, 106718.	4.5	47
23	Novel approach for electrochemical preparation of sulfur nanoparticles. Mikrochimica Acta, 2011, 173, 445-451.	5.0	46
24	Electrocatalytic Oxidation of Sulfur Containing Amino Acids at Renewable Ni-Powder Doped Carbon Ceramic Electrode: Application to Amperometric DetectionL-Cystine,L-Cysteine andL-Methionine. Electroanalysis, 2006, 18, 2129-2136.	2.9	44
25	Synthesis and application of ion-imprinted polymer nanoparticles for the extraction and preconcentration of zinc ions. Food Chemistry, 2015, 173, 266-273.	8.2	44
26	Micromolar determination of sulfur oxoanions and sulfide at a renewable solâ€“gel carbon ceramic electrode modified with nickel powder. Electrochimica Acta, 2006, 51, 1952-1959.	5.2	41
27	Impedimetric detection of trinitrotoluene by using a glassy carbon electrode modified with a gold nanoparticle@fullerene composite and an aptamer-imprinted polydopamine. Mikrochimica Acta, 2017, 184, 3997-4006.	5.0	40
28	Covalent attachment of thionine onto gold electrode modified with cadmium sulfide nanoparticles: Improvement of electrocatalytic and photelectrocatalytic reduction of hydrogen peroxide. Electrochimica Acta, 2013, 95, 60-70.	5.2	38
29	Amperometric detection of hydrogen peroxide at nano-ruthenium oxide/riboflavin nanocomposite-modified glassy carbon electrodes. Electrochimica Acta, 2013, 113, 134-140.	5.2	38
30	Synthesis and application of ion-imprinted polymer nanoparticles for the determination of nickel ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 534-543.	3.9	36
31	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. Mikrochimica Acta, 2016, 183, 845-853.	5.0	36
32	Fabrication of an ultrasensitive ibuprofen nanoaptasensor based on covalent attachment of aptamer to electrochemically deposited gold-nanoparticles on glassy carbon electrode. Talanta, 2015, 144, 510-516.	5.5	35
33	Applicability of AuNPs@N-GQDs nanocomposite in the modeling of the amplified electrochemical Ibuprofen aptasensing assay by monitoring of riboflavin. Bioelectrochemistry, 2019, 126, 38-47.	4.6	35
34	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. Mikrochimica Acta, 2016, 183, 185-193.	5.0	32
35	Synthesis and application of ion-imprinted polymer for extraction and pre-concentration of iron ions in environmental water and food samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 637-644.	3.9	32
36	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. Materials Science and Engineering C, 2017, 71, 1106-1114.	7.3	32

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37	Conformation switching of an aptamer based on cocaine enhancement on a surface of modified GCE. Talanta, 2016, 154, 7-14.	5.5	31
38	High CO tolerance of Pt/Fe/Fe₂O₃nanohybrid thin film suitable for methanol oxidation in alkaline medium. RSC Advances, 2014, 4, 46992-46999.	3.6	30
39	Covalent attachment of aptamer onto nanocomposite as a high performance electrochemical sensing platform: Fabrication of an ultra-sensitive ibuprofen electrochemical aptasensor. Materials Science and Engineering C, 2016, 68, 128-135.	7.3	30
40	AgNPs/QDs@GQDs nanocomposites developed as an ultrasensitive impedimetric aptasensor for ractopamine detection. Materials Science and Engineering C, 2020, 108, 110507.	7.3	30
41	A novel electrochemical sensor based on electrode modified with gold nanoparticles and molecularly imprinted polymer for rapid determination of trazosin. Colloids and Surfaces B: Biointerfaces, 2018, 172, 594-600.	5.0	29
42	Fabrication of an electrochemical nanoaptasensor based on AuNPs for ultrasensitive determination of cocaine in serum sample. Materials Science and Engineering C, 2016, 61, 599-607.	7.3	28
43	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. New Journal of Chemistry, 2020, 44, 14922-14927.	2.8	28
44	Electrochemical detection of butylated hydroxyanisole based on glassy carbon electrode modified by iridium oxide nanoparticles. Journal of Electroanalytical Chemistry, 2014, 717-718, 147-152.	3.8	27
45	Development of sensitive amperometric hydrogen peroxide sensor using a CuNPs/MB/MWCNT-C60-Cs-IL nanocomposite modified glassy carbon electrode. Materials Science and Engineering C, 2016, 64, 54-60.	7.3	27
46	The use of a signal amplification strategy for the fabrication of a TNT impedimetric nanoaptasensor based on electrodeposited NiONPs immobilized onto a GCE surface. Sensors and Actuators B: Chemical, 2017, 246, 848-853.	7.8	27
47	An electrochemical aptasensor for streptomycin based on covalent attachment of the aptamer onto aÂmesoporous silica thin film-coated gold electrode. Mikrochimica Acta, 2019, 186, 115.	5.0	27
48	Development of a dual-recognition strategy for the aflatoxin B1 detection based on a hybrid of aptamer-MIP using a Cu2O NCs/GCE. Microchemical Journal, 2022, 178, 107328.	4.5	27
49	Designing an electrochemical aptasensor based on immobilization of the aptamer onto nanocomposite for detection of the streptomycin antibiotic. Microchemical Journal, 2018, 141, 96-103.	4.5	26
50	Impedimetric aptasensor for Pseudomonas aeruginosa by using a glassy carbon electrode modified with silver nanoparticles. Mikrochimica Acta, 2019, 186, 725.	5.0	26
51	Hierarchical hollow sea-urchin-like Niâ€“Co diselenide encapsulated in N-doped carbon networks as an advanced core-shell bifunctional electrocatalyst for fabrication of nonenzymatic glucose and hydrogen peroxide sensors. Sensors and Actuators B: Chemical, 2020, 324, 128730.	7.8	26
52	An impedimetric aptasensor based on water soluble cadmium telluride (CdTe) quantum dots (QDs) for detection of ibuprofen. Journal of Electroanalytical Chemistry, 2016, 763, 18-24.	3.8	25
53	Impedimetric detection of cocaine by using an aptamer attached to a screen printed electrode modified with a dendrimer/silver nanoparticle nanocomposite. Mikrochimica Acta, 2018, 185, 214.	5.0	25
54	Hierarchical nickel hydroxide nanosheets grown on hollow nitrogen doped carbon nanoboxes as a high-performance surface substrate for alpha-fetoprotein cancer biomarkers electrochemical aptasensing. Talanta, 2022, 237, 122924.	5.5	25

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55	Label-free electrochemical aptasensor for rapid detection of SARS-CoV-2 spike glycoprotein based on the composite of Cu(OH)2 nanorods arrays as a high-performance surface substrate. Bioelectrochemistry, 2022, 146, 108106.	4.6	25
56	Hydrogen peroxide sensor based on riboflavin immobilized at the nickel oxide nanoparticle-modified glassy carbon electrode. Journal of Applied Electrochemistry, 2013, 43, 1175-1183.	2.9	24
57	Development of nonenzymatic hydrogen peroxide sensor based on catalytic properties of copper nanoparticles/Rutin/MWCNTs/IL/Chit. Catalysis Communications, 2015, 69, 133-137.	3.3	24
58	Layer-by-layer assembly of gold nanoparticles and cysteamine on gold electrode for immunosensing of human chorionic gonadotropin at picogram levels. Materials Science and Engineering C, 2016, 61, 344-350.	7.3	24
59	Screen printed carbon electrode sensor with thiol graphene quantum dots and gold nanoparticles for voltammetric determination of solatol. Heliyon, 2019, 5, e01984.	3.2	23
60	A nano-sized chitosan particle based electrochemical aptasensor for sensitive detection ofP. aeruginosa. Analytical Methods, 2019, 11, 5591-5597.	2.7	23
61	Novel electrochemical sensor based on polydopamine molecularly imprinted polymer for sensitive and selective detection of Acinetobacter baumannii. Journal of the Iranian Chemical Society, 2020, 17, 2407-2413.	2.2	23
62	Impedimetric ultrasensitive detection of trypsin based on hybrid aptamer-2DMIP using a glassy carbon electrode modified by nickel oxide nanoparticle. Microchemical Journal, 2022, 172, 106955.	4.5	23
63	Fabrication of novel metanil yellow/multi wall carbon nanotubes-chitosan/modified glassy carbon electrode and its application for sensitive determination of persulfate. Journal of Electroanalytical Chemistry, 2019, 847, 113192.	3.8	22
64	Development of electrochemical sensor based on molecularly imprinted copolymer for detection of nitrofurantoin. Journal of the Iranian Chemical Society, 2019, 16, 999-1006.	2.2	22
65	A new method for electrochemical determination of Hippuric acid based on molecularly imprinted copolymer. Talanta, 2022, 246, 123491.	5.5	22
66	TiO2 nanoparticles doped with Celestine Blue as a label in a sandwich immunoassay for the hepatitis C virus core antigen using a screen printed electrode. Mikrochimica Acta, 2017, 184, 2015-2022.	5.0	21
67	A novel aptasensor based on gold nanorods/ZnS QDs-modified electrode for evaluation of streptomycin antibiotic. Analytical Methods, 2018, 10, 5197-5204.	2.7	21
68	Fabrication of an electrochemical biodevice for ractopamine detection under a strategy of a double recognition of the aptamer/molecular imprinting polymer. Bioelectrochemistry, 2021, 138, 107722.	4.6	21
69	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. Environmental Monitoring and Assessment, 2015, 187, 601.	2.7	20
70	Ultra-sensitive detection of ibuprofen (IBP) by electrochemical aptasensor using the dendrimer-quantum dot (Den-QD) bioconjugate as an immobilization platform with special features. Materials Science and Engineering C, 2017, 75, 1091-1096.	7.3	20
71	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. Journal of the Iranian Chemical Society, 2018, 15, 2241-2249.	2.2	20
72	Electrochemical immunosensor for determination of Staphylococcus aureus bacteria by IgY immobilized on glassy carbon electrode with electrodeposited gold nanoparticles. Mikrochimica Acta, 2020, 187, 567.	5.0	20

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73	Electrochemical Detection of Persulfate at the Modified Glassy Carbon Electrode with Nanocomposite Containing Nanoâ€Ruthenium Oxide/Thionine and Nanoâ€Ruthenium Oxide/Celestine Blue. Electroanalysis, 2014, 26, 1761-1772.	2.9	19
74	Application of graphene quantum dots as green homogenous nanophotocatalyst in the visible-light-driven photolytic process. Journal of Materials Science: Materials in Electronics, 2017, 28, 5135-5143.	2.2	19
75	A glassy carbon electrode with electrodeposited silver nanoparticles for aptamer based voltammetric determination of trinitrotoluene using riboflavin as a redox probe. Mikrochimica Acta, 2018, 185, 558.	5.0	19
76	Hollow carbon nanocapsules-based nitrogen-doped carbon nanofibers with rosary-like structure as a high surface substrate for impedimetric detection of Pseudomonas aeruginosa. Talanta, 2021, 223, 121700.	5.5	19
77	Selective detection of Asulam with in-situ dopamine electropolymerization based electrochemical MIP sensor. Reactive and Functional Polymers, 2021, 169, 105069.	4.1	19
78	Novel electrochemical sensor based on carbon nanodots/chitosan nanocomposite for the detection of tryptophan. Journal of the Iranian Chemical Society, 2015, 12, 1875-1882.	2.2	18
79	Effect of metal alloying on morphology and catalytic activity of platinum-based nanostructured thin films in methanol oxidation reaction. RSC Advances, 2016, 6, 45753-45767.	3.6	18
80	A simple and label-free aptasensor based on amino group-functionalized gold nanocomposites-Prussian blue/carbon nanotubes as labels for signal amplification. Journal of Electroanalytical Chemistry, 2016, 776, 170-179.	3.8	18
81	Using Au@nano-C60 nanocomposite as an enhanced sensing platform in modeling a TNT aptasensor. Analytical Biochemistry, 2017, 534, 78-85.	2.4	18
82	Three-dimensional NiCo2O4 nanowires encapsulated in nitrogen-doped carbon networks as a high-performance aptamer stabilizer for impedimetric ultrasensitive detection of hepatitis C virus core antigen. Surfaces and Interfaces, 2021, 22, 100813.	3.0	18
83	Two-Dimensional Mesoporous Copper Hydroxide Nanosheets Shelled on Hollow Nitrogen-Doped Carbon Nanoboxes as a High Performance Aptasensing Platform. ACS Sustainable Chemistry and Engineering, 2021, 9, 11080-11090.	6.7	18
84	Electrocatalytic oxidation behavior of NADH at Pt/Fe 3 O 4 /reduced-graphene oxide nanohybrids modified glassy carbon electrode and its determination. Materials Science and Engineering C, 2016, 67, 237-246.	7.3	17
85	A novel ultrasensitive biosensor based on NiCo-MOF nanostructure and confined to flexible carbon nanofibers with high-surface skeleton to rapidly detect Helicobacter pylori. Materials Science in Semiconductor Processing, 2022, 139, 106351.	4.0	17
86	Amperometric NADH sensor based onÂa carbon ceramic electrode modified with the natural carotenoid crocin and multi-walled carbon nanotubes. Mikrochimica Acta, 2017, 184, 473-481.	5.0	16
87	Facile synthesis of PtSnZn nanosheet thin film at oilâ€“water interface by use of organometallic complexes: An efficient catalyst for methanol oxidation and pâ€nitrophenol reduction reactions. Applied Organometallic Chemistry, 2018, 32, e3979.	3.5	16
88	Rationally designed of hollow nitrogen doped carbon nanotubes double shelled with hierarchical nickel hydroxide nanosheet as a high performance surface substrate for cortisol aptasensing. Electrochimica Acta, 2021, 388, 138608.	5.2	16
89	Amperometric determination of sulfide ion by glassy carbon electrode modified with multiwall carbon nanotubes and copper (II) phenanthroline complex. Open Chemistry, 2014, 12, 1091-1099.	1.9	15
90	An electrochemical tyrosinamide aptasensor using a glassy carbon electrode modified by N-acetyl-l-cysteine-capped Ag-In-S QDs. Materials Science and Engineering C, 2019, 102, 653-660.	7.3	15

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91	Flexible NiP2@hollow N-doped nanocapsules/carbon nanofiber as a freestanding electrode for glucose sensing. Composites Communications, 2021, 25, 100686.	6.3	15
92	Flame Atomic Absorption Spectrometric Determination of Cadmium in Vegetable and Water Samples After Preconcentration Using Magnetic Solid-Phase Extraction. International Journal of Vegetable Science, 2017, 23, 304-320.	1.3	14
93	Development of Nonenzymatic Hydrogen Peroxide Sensor Based on Successive Pdâ€Ag Electrodeposited Nanoparticles on Glassy Carbon Electrode. Electroanalysis, 2016, 28, 787-793.	2.9	13
94	Development of Electrochemical Sensor Based on Glassy Carbon Electrode Modified with a Molecularly Imprinted Copolymer and its Application for Detection of Repaglinide. Electroanalysis, 2018, 30, 2712-2718.	2.9	13
95	Dual detection of Malation and Hg (II) by fluorescence switching of graphene quantum dots. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 308-313.	2.9	13
96	Synthesis and application of ion-imprinted polymer nanoparticles for the extraction and preconcentration of copper ions in environmental water samples. Environmental Monitoring and Assessment, 2015, 187, 219.	2.7	12
97	A glassy carbon immunoelectrode modified with vanadium oxide nanobelts for ultrasensitive voltammetric determination of the core antigen of hepatitis C virus. Mikrochimica Acta, 2017, 184, 4477-4483.	5.0	12
98	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. Communications in Soil Science and Plant Analysis, 2018, 49, 645-657.	1.4	12
99	Polymerization of graphene oxide nanosheet by using of aminoclay: Electrocatalytic activity of its platinum nanohybrids. Applied Organometallic Chemistry, 2018, 32, e3894.	3.5	12
100	Designing of an ultrasensitive BCM-7 aptasensor based on an SPCE modified with AuNR for promising distinguishing of autism disorder. Talanta, 2020, 209, 120506.	5.5	11
101	Architecting of a biodevice based on a screen-printed carbon electrode modified with the NiONP nanolayer and aptamer in BCM-7 detection. Colloids and Surfaces B: Biointerfaces, 2020, 190, 110932.	5.0	11
102	Highly sensitive colorimetric determination of malathion using gold nanoparticles. Water Science and Technology: Water Supply, 2016, 16, 1214-1220.	2.1	10
103	Cu-In-S/ZnS quantum dots/silver nanoparticles nanocomposites-modified electrode as an electrochemical label-free aptasensor for the detection of Î²-casomorphin 7 in early distinguish of autism. Microchemical Journal, 2020, 159, 105514.	4.5	10
104	Metalâ€“organic framework-derived CoNi-P nanoparticles confined into flexible carbon nanofibers skeleton as high-performance oxygen reduction reaction catalysts. Surfaces and Interfaces, 2021, 25, 101207.	3.0	10
105	A novel electrochemical sensor for the determination of histidine based on a molecularly imprinted copolymer. Analytical Methods, 2021, 13, 4904-4910.	2.7	9
106	Novel Electrochemical Sensor Based on Electropolymerized Dopamine Molecularly Imprinted Polymer for Selective Detection of Pantoprazole. IEEE Sensors Journal, 2022, 22, 6263-6269.	4.7	9
107	Determination of Trace Amounts of Cadmium Ions in Water and Plant Samples Using Ligand-Less Solid Phase Extraction-Based Modified Co₃O₄ Nanoparticles. Communications in Soil Science and Plant Analysis, 2017, 48, 1921-1930.	1.4	8
108	Preparation of modified glassy carbon electrode by the use of titanium oxide, copper and palladium nanoparticles and its application for the electrocatalytic and photelectrocatalytic reduction of hydrogen peroxide. Journal of Materials Science: Materials in Electronics, 2019, 30, 5212-5221.	2.2	8

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109	Determination of BCM-7 based on an ultrasensitive aptasensor fabricated of gold nanoparticles and ZnS quantum dots. Materials Today Communications, 2020, 23, 101066.	1.9	8
110	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. Journal of Electroanalytical Chemistry, 2021, 903, 115858.	3.8	8
111	Metal-organic frameworks-derived Zn-Ni-P nanostructures as high performance electrode materials for electrochemical sensing. Journal of Electroanalytical Chemistry, 2022, 918, 116441.	3.8	8
112	Gold nanostructures integrated on hollow carbon N-doped nanocapsules as a novel high-performance aptasensing platform for Helicobacter pylori detection. Journal of Materials Science, 2022, 57, 589-597.	3.7	7
113	Amorphous Ni(OH)2 nano-boxes as a high performance substrate for aptasensor application. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110649.	5.0	6
114	Highly Sensitive and Selective Amperometric Detection of Periodate at Glassy Carbon Electrode Modified with a Cyclometalated Iridium(III) Complex and Singleâ€Wall Carbon Nanotubes. Journal of the Chinese Chemical Society, 2013, 60, 171-178.	1.4	5
115	Separation of Ag(I) Ions fromLepidium draba L. Plant and Water and Standard Samples by Carrier Element-Free Coprecipitation Method Prior to their Flame Atomic Absorption Spectrometric Determination. Communications in Soil Science and Plant Analysis, 2016, 47, 1207-1215.	1.4	5
116	Pd/[C2NH2mim][Br] Thin Film Versus Pd/[C8mim][Cl] or Pd/[C8mim][BF4]: Catalytic Applications in Electrooxidation of Methanol, p-Nitrophenol Reduction and Câ€“C Coupling Reaction. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3448-3475.	3.7	5
117	Synthesis and characterization of NiCo-X (X = OH, S, Se, P) nanodiscs and comparison of their electrocatalytic performances in an electrochemical sensing platform. New Journal of Chemistry, 2022, 46, 14616-14625.	2.8	5
118	Three-dimensional modeling of streptomycin binding single-stranded DNA for aptamer-based biosensors, a molecular dynamics simulation approach. Journal of Biomolecular Structure and Dynamics, 2022, , 1-10.	3.5	4
119	Sensitive quantification of trace zinc in water samples by adsorptive stripping voltammetry. Water Science and Technology, 2014, 69, 438-442.	2.5	3
120	Pd(II) and Pt(II) Metallacycles with Unsymmetrical Ylide: Antiproliferative Effects and Application in Electrocatalytic Oxidation of Methanol. ChemistrySelect, 2019, 4, 11398-11405.	1.5	3
121	Ti(IV) ion-imprinted polymer as a new selective sorbent for extraction and pre-concentration of trace amounts of titanium ions in different samples. International Journal of Environmental Analytical Chemistry, 2019, 99, 1586-1603.	3.3	3