

Behzad Rezaei

List of Publications by Year in descending order

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421
papers

10,929
citations

34016

52
h-index

85405

71
g-index

428
all docs

428
docs citations

428
times ranked

10667
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltammetric behavior of multi-walled carbon nanotubes modified electrode-hexacyanoferrate(II) electrocatalyst system as a sensor for determination of captopril. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 324-331.	4.0	185
2	Electrochemical sensor based on glassy carbon electrode modified by polymelamine formaldehyde/graphene oxide nanocomposite for ultrasensitive detection of oxycodone. <i>Mikrochimica Acta</i> , 2021, 188, 1.	2.5	142
3	Highly sensitive voltammetric sensor based on catechol-derivative-multiwall carbon nanotubes for the catalytic determination of captopril in patient human urine samples. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 480-488.	2.5	127
4	An ancient plant for the synthesis of a novel carbon dot and its applications as an antibacterial agent and probe for sensing of an anti-cancer drug. <i>Materials Science and Engineering C</i> , 2019, 98, 826-833.	3.8	122
5	Engineering onion-like nanoporous CuCo_2O_4 hollow spheres derived from bimetal-organic frameworks for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10497-10506.	5.2	119
6	Electrochemical determination of hydrogen peroxide using copper/porous silicon based non-enzymatic sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 398-405.	4.0	106
7	A new non-enzymatic glucose sensor based on copper/porous silicon nanocomposite. <i>Electrochimica Acta</i> , 2014, 123, 219-226.	2.6	105
8	Metronidazole determination with an extremely sensitive and selective electrochemical sensor based on graphene nanoplatelets and molecularly imprinted polymers on graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 192-199.	4.0	101
9	Electrochemical sensor based on porous silicon/silver nanocomposite for the determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 239-244.	4.0	100
10	Synthesis of molecularly imprinted polymer on carbon quantum dots as an optical sensor for selective fluorescent determination of promethazine hydrochloride. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 889-896.	4.0	99
11	Green synthesized carbon dots embedded in silica molecularly imprinted polymers, characterization and application as a rapid and selective fluorimetric sensor for determination of thiabendazole in juices. <i>Food Chemistry</i> , 2020, 310, 125812.	4.2	97
12	Flow injection determination of hydrazine with fluorimetric detection. <i>Talanta</i> , 1998, 47, 645-649.	2.9	95
13	A novel one-step and green synthesis of highly fluorescent carbon dots from saffron for cell imaging and sensing of prilocaine. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 451-460.	4.0	91
14	Caffeine electrochemical sensor using imprinted film as recognition element based on polypyrrole, sol-gel, and gold nanoparticles hybrid nanocomposite modified pencil graphite electrode. <i>Biosensors and Bioelectronics</i> , 2014, 60, 77-83.	5.3	89
15	A new method based on electrospray ionisation ion mobility spectrometry (ESI-IMS) for simultaneous determination of caffeine and theophylline. <i>Food Chemistry</i> , 2011, 126, 1964-1970.	4.2	87
16	p-Aminophenol-multiwall carbon nanotubes-TiO ₂ electrode as a sensor for simultaneous determination of penicillamine and uric acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 42-49.	2.5	85
17	Application of ionic liquid-TiO ₂ nanoparticle modified carbon paste electrode for the voltammetric determination of benserazide in biological samples. <i>Materials Science and Engineering C</i> , 2013, 33, 831-835.	3.8	85
18	Methanol electro-oxidation on Pt/C modified by polyaniline nanofibers for DMFC applications. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9298-9305.	3.8	84

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19	Fabrication of DNA, o-phenylenediamine, and gold nanoparticle bioimprinted polymer electrochemical sensor for the determination of dopamine. <i>Biosensors and Bioelectronics</i> , 2015, 66, 490-496.	5.3	84
20	An electrochemical sensor based on multiwall carbon nanotubes and molecular imprinting strategy for warfarin recognition and determination. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 539-545.	4.0	83
21	Cerium(IV) oxide decorated on reduced graphene oxide, a selective and sensitive electrochemical sensor for fenitrothion determination. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 980-987.	4.0	83
22	A novel enzyme-free amperometric sensor for hydrogen peroxide based on Nafion/exfoliated graphene oxide-Co ₃ O ₄ nanocomposite. <i>Talanta</i> , 2013, 103, 322-329.	2.9	81
23	An ultrasensitive and selective electrochemical aptasensor based on rGO-MWCNTs/Chitosan/carbon quantum dot for the detection of lysozyme. <i>Biosensors and Bioelectronics</i> , 2018, 115, 37-44.	5.3	81
24	Nickel nanoparticles supported on porous silicon flour, application as a non-enzymatic electrochemical glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 807-815.	4.0	79
25	A new electrochemical sensor for the simultaneous determination of acetaminophen and codeine based on porous silicon/palladium nanostructure. <i>Talanta</i> , 2015, 134, 745-753.	2.9	78
26	Multiwalled Carbon Nanotubes Modified Electrode as a Sensor for Adsorptive Stripping Voltammetric Determination of Hydrochlorothiazide. <i>IEEE Sensors Journal</i> , 2008, 8, 1523-1529.	2.4	77
27	A novel electrochemical nanocomposite imprinted sensor for the determination of lorazepam based on modified polypyrrole@sol-gel@gold nanoparticles/pencil graphite electrode. <i>Electrochimica Acta</i> , 2014, 123, 332-339.	2.6	77
28	A simple and sensitive fluorimetric aptasensor for the ultrasensitive detection of arsenic(III) based on cysteamine stabilized CdTe/ZnS quantum dots aggregation. <i>Biosensors and Bioelectronics</i> , 2016, 77, 499-504.	5.3	75
29	Ion Mobility Spectrometry as a Detector for Molecular Imprinted Polymer Separation and Metronidazole Determination in Pharmaceutical and Human Serum Samples. <i>Analytical Chemistry</i> , 2009, 81, 3585-3591.	3.2	74
30	Application of amine-functionalized MCM-41 as pH-sensitive nano container for controlled release of 2-mercaptobenzoxazole corrosion inhibitor. <i>Chemical Engineering Journal</i> , 2016, 306, 849-857.	6.6	71
31	Modified glassy carbon electrode with multiwall carbon nanotubes as a voltammetric sensor for determination of nescapine in biological and pharmaceutical samples. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 292-299.	4.0	69
32	A novel sensitive DNA-biosensor for detection of a carcinogen, Sudan II, using electrochemically treated pencil graphite electrode by voltammetric methods. <i>Talanta</i> , 2012, 88, 244-251.	2.9	68
33	Hydrogen storage in hybrid of layered double hydroxides/reduced graphene oxide using spillover mechanism. <i>Energy</i> , 2016, 99, 103-114.	4.5	68
34	An electrochemical biosensor based on nanoporous stainless steel modified by gold and palladium nanoparticles for simultaneous determination of levodopa and uric acid. <i>Talanta</i> , 2016, 158, 42-50.	2.9	64
35	Magnetic properties of an iron ore sample after microwave heating. <i>Separation and Purification Technology</i> , 2011, 76, 331-336.	3.9	63
36	Simultaneous detection of folic acid and methotrexate by an optical sensor based on molecularly imprinted polymers on dual-color CdTe quantum dots. <i>Analytica Chimica Acta</i> , 2017, 996, 64-73.	2.6	63

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37	Application of coated green source carbon dots with silica molecularly imprinted polymers as a fluorescence probe for selective and sensitive determination of phenobarbital. <i>Talanta</i> , 2019, 194, 143-149.	2.9	63
38	Fabricated of bimetallic Pd/Pt nanostructure deposited on copper nanofoam substrate by galvanic replacement as an effective electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6754-6762.	3.8	61
39	Fluorometric label-free aptasensor for detection of the pesticide Acetamiprid by using cationic carbon dots prepared with cetrimonium bromide. <i>Mikrochimica Acta</i> , 2019, 186, 273.	2.5	61
40	Molecularly imprinted-multiwall carbon nanotube paste electrode as a biosensor for voltammetric detection of rutin. <i>Analytical Methods</i> , 2011, 3, 2510.	1.3	60
41	Simultaneous determination of guanine and adenine in DNA based on NiFe ₂ O ₄ magnetic nanoparticles decorated MWCNTs as a novel electrochemical sensor using adsorptive stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 634-642.	4.0	59
42	Electrochemical preparation and characterization of a polypyrrole/nickel-cobalt hexacyanoferrate nanocomposite for supercapacitor applications. <i>RSC Advances</i> , 2015, 5, 91448-91456.	1.7	58
43	Electrochemistry and Adsorptive Stripping Voltammetric Determination of Amoxicillin on a Multiwalled Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2009, 21, 1577-1586.	1.5	57
44	Voltammetric determination of 6-mercaptopurine using a multiwall carbon nanotubes paste electrode in the presence of isoprenaline as a mediator. <i>Journal of Molecular Liquids</i> , 2013, 177, 182-189.	2.3	57
45	Different interaction of codeine and morphine with DNA: A concept for simultaneous determination. <i>Biosensors and Bioelectronics</i> , 2013, 41, 627-633.	5.3	57
46	A new strategy for the synthesis of 3-D Pt nanoparticles on reduced graphene oxide through surface functionalization, Application for methanol oxidation and oxygen reduction. <i>Electrochimica Acta</i> , 2014, 130, 397-405.	2.6	57
47	An ionic liquid-type multiwall carbon nanotubes paste electrode for electrochemical investigation and determination of morphine. <i>Ionics</i> , 2011, 17, 659-668.	1.2	56
48	A simple and rapid label-free fluorimetric biosensor for protamine detection based on glutathione-capped CdTe quantum dots aggregation. <i>Biosensors and Bioelectronics</i> , 2015, 71, 243-248.	5.3	56
49	High selective SiO ₂ –Al ₂ O ₃ mixed-oxide modified carbon paste electrode for anodic stripping voltammetric determination of Pb(II). <i>Talanta</i> , 2007, 73, 37-45.	2.9	55
50	Cobalt ferrite nanoparticles decorated on exfoliated graphene oxide, application for amperometric determination of NADH and H ₂ O ₂ . <i>Materials Science and Engineering C</i> , 2016, 60, 276-284.	3.8	55
51	Development of an eco-friendly fluorescence nanosensor based on molecularly imprinted polymer on silica-carbon quantum dot for the rapid indoxacarb detection. <i>Food Chemistry</i> , 2021, 339, 127920.	4.2	55
52	A novel aptasensor based on 3D-reduced graphene oxide modified gold nanoparticles for determination of arsenite. <i>Biosensors and Bioelectronics</i> , 2018, 122, 25-31.	5.3	54
53	Electrochemical impedimetric immunosensor for insulin like growth factor-1 using specific monoclonal antibody-nanogold modified electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2130-2134.	5.3	52
54	Biosensor based on ds-DNA decorated chitosan modified multiwall carbon nanotubes for voltammetric biodetection of herbicide amitrole. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 45-51.	2.5	52

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55	Application of ionic liquids as an electrolyte additive on the electrochemical behavior of lead acid battery. <i>Journal of Power Sources</i> , 2009, 187, 605-612.	4.0	51
56	Simultaneous determination of morphine and codeine using Pt nanoparticles supported on porous silicon flour modified ionic liquid carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2015, 219, 1-9.	4.0	51
57	Pyridine-functionalized graphene oxide, an efficient metal free electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2016, 194, 95-103.	2.6	51
58	Development of a selective prilocaine optical sensor based on molecularly imprinted shell on CdTe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 835-841.	4.0	51
59	Simultaneous Spectrophotometric Determination of Nitrite and Nitrate by Flow Injection Analysis. <i>Analytical Sciences</i> , 2004, 20, 1749-1753.	0.8	50
60	A simple and rapid flow injection chemiluminescence determination of cysteine with Ru(phen) ₃ ²⁺ +Ce(IV) system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 359-363.	2.0	50
61	Fabrication of a nanostructure thin film on the gold electrode using continuous pulsed-potential technique and its application for the electrocatalytic determination of metronidazole. <i>Electrochimica Acta</i> , 2010, 55, 1801-1808.	2.6	50
62	Simultaneous determination of ascorbic acid, epinephrine, and uric acid by differential pulse voltammetry using poly(3,3'-bis[N,N-bis(carboxymethyl)aminomethyl]-o-cresolsulfonephthalein) modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 321-329.	4.0	50
63	Graphene nanosheets functionalized with Nile blue as a stable support for the oxidation of glucose and reduction of oxygen based on redox replacement of Pd-nanoparticles via nickel oxide. <i>Electrochimica Acta</i> , 2015, 173, 619-629.	2.6	50
64	Molecularly imprinted electrochemical aptasensor for the attomolar detection of bisphenol A. <i>Mikrochimica Acta</i> , 2018, 185, 265.	2.5	50
65	Electrochemical preparation of CuBi ₂ O ₄ nanoparticles on nanoporous stainless steel as a binder-free supercapacitor electrode. <i>Journal of Alloys and Compounds</i> , 2015, 652, 39-47.	2.8	49
66	Non-enzymatic glucose electrochemical sensor based on silver nanoparticle decorated organic functionalized multiwall carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 60926-60932.	1.7	49
67	Facile Synthesis of Yolk-Shelled CuCo ₂ Se ₄ Microspheres as a Novel Electrode Material for Supercapacitor Application. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 418-427.	4.0	49
68	Ultrasensitive voltammetric and impedimetric aptasensor for diazinon pesticide detection by VS2 quantum dots-graphene nanoplatelets/carboxylated multiwalled carbon nanotubes as a new group nanocomposite for signal enrichment. <i>Analytica Chimica Acta</i> , 2020, 1111, 92-102.	2.6	49
69	Immobilization of specific monoclonal antibody on Au nanoparticles for hGH detection by electrochemical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2009, 25, 395-399.	5.3	48
70	Polypyrrole/sol-gel composite as a solid-phase microextraction fiber coating for the determination of organophosphorus pesticides in water and vegetable samples. <i>Journal of Chromatography A</i> , 2013, 1279, 20-26.	1.8	47
71	NiFe ₂ O ₄ nanoparticles decorated with MWCNTs as a selective and sensitive electrochemical sensor for the determination of epinephrine using differential pulse voltammetry. <i>Analytical Methods</i> , 2014, 6, 6885-6892.	1.3	47
72	Facile synthesis of Pt-Cu@silicon nanostructure as a new electrocatalyst supported matrix, electrochemical detection of hydrazine and hydrogen peroxide. <i>Electrochimica Acta</i> , 2016, 190, 199-207.	2.6	47

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73	Voltammetric behavior of dopamine at a glassy carbon electrode modified with NiFe ₂ O ₄ magnetic nanoparticles decorated with multiwall carbon nanotubes. <i>Materials Science and Engineering C</i> , 2014, 39, 78-85.	3.8	46
74	Fabrication of a highly sensitive and selective modified electrode for imidacloprid determination based on designed nanocomposite graphene quantum dots/ionic liquid/multiwall carbon nanotubes/polyaniline. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126682.	4.0	46
75	Electrodeposited silver nanodendrites electrode with strongly enhanced electrocatalytic activity. <i>Talanta</i> , 2010, 83, 197-204.	2.9	45
76	A new electrochemical sensor based on porous silicon supported Pt-Pd nanoalloy for simultaneous determination of adenine and guanine. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 528-535.	4.0	45
77	Silver nanoparticles decorated carboxylate functionalized SiO ₂ , New nanocomposites for non-enzymatic detection of glucose and hydrogen peroxide. <i>Electrochimica Acta</i> , 2016, 214, 208-216.	2.6	45
78	Nanostructure polyoxometalates containing Co, Ni, and Cu as powerful and stable catalysts for hydrogen evolution reaction in acidic and alkaline solutions. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5026-5034.	3.8	45
79	Modified Au nanoparticles-imprinted sol-gel, multiwall carbon nanotubes pencil graphite electrode used as a sensor for ranitidine determination. <i>Materials Science and Engineering C</i> , 2014, 37, 113-119.	3.8	44
80	Ultra-sensitive and selective electrochemical biosensor with aptamer recognition surface based on polymer quantum dots and C ₆₀ /MWCNTs- polyethylenimine nanocomposites for analysis of thrombin protein. <i>Bioelectrochemistry</i> , 2021, 138, 107701.	2.4	44
81	Polyoxometalate-decorated graphene nanosheets and carbon nanotubes, powerful electrocatalysts for hydrogen evolution reaction. <i>Carbon</i> , 2016, 99, 398-406.	5.4	43
82	A novel optical sensor based on carbon dots embedded molecularly imprinted silica for selective acetamiprid detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 36-43.	2.0	43
83	N-hexyl-3-methylimidazolium hexafluoro phosphate/multiwall carbon nanotubes paste electrode as a biosensor for voltammetric detection of morphine. <i>Journal of Molecular Liquids</i> , 2012, 174, 42-47.	2.3	42
84	A fluorometric aptasensor for methamphetamine based on fluorescence resonance energy transfer using cobalt oxyhydroxide nanosheets and carbon dots. <i>Mikrochimica Acta</i> , 2018, 185, 303.	2.5	42
85	Co(OH) ₂ nanoparticles deposited on reduced graphene oxide nanoflake as a suitable electrode material for supercapacitor and oxygen evolution reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16538-16546.	3.8	41
86	Achieving to some outranking relationships between post mining land uses through mined land suitability analysis. <i>International Journal of Environmental Science and Technology</i> , 2008, 5, 535-546.	1.8	40
87	Fabrication of a porous Pd film on nanoporous stainless steel using galvanic replacement as a novel electrocatalyst/electrode design for glycerol oxidation. <i>Electrochimica Acta</i> , 2014, 136, 89-96.	2.6	40
88	Fabrication of electrochemical sensor based on molecularly imprinted polymer and nanoparticles for determination trace amounts of morphine. <i>Ionics</i> , 2015, 21, 2969-2980.	1.2	40
89	Highly selective and sensitive voltammetric sensor for captopril determination based on modified multiwall carbon nanotubes paste electrode. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 1315-1322.	0.6	38
90	Detection of DNA damage induced by chromium/glutathione/H ₂ O ₂ system at MWCNTs-poly(diallyldimethylammonium chloride) modified pencil graphite electrode using methylene blue as an electroactive probe. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 862-870.	4.0	38

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91	Selective and sensitive furazolidone biosensor based on DNA-modified TiO ₂ -reduced graphene oxide. <i>Applied Surface Science</i> , 2015, 356, 301-307.	3.1	38
92	The impressive effect of eco-friendly carbon dots on improving the performance of dye-sensitized solar cells. <i>Solar Energy</i> , 2019, 182, 412-419.	2.9	38
93	Electronic band structure pseudopotential calculation of wurtzite III-nitride materials. <i>Physica B: Condensed Matter</i> , 2006, 371, 107-111.	1.3	37
94	A fast response cadmium-selective polymeric membrane electrode based on N,N ^ε -(4-methyl-1,2-phenylene)diquinoline-2-carboxamide as a new neutral carrier. <i>Journal of Hazardous Materials</i> , 2008, 153, 179-186.	6.5	37
95	Characterization of carbon nanotubes decorated with NiFe ₂ O ₄ magnetic nanoparticles as a novel electrochemical sensor: Application for highly selective determination of sotalol using voltammetry. <i>Materials Science and Engineering C</i> , 2013, 33, 202-208.	3.8	37
96	Development of Sudan II sensor based on modified treated pencil graphite electrode with DNA, o-phenylenediamine, and gold nanoparticle bioimprinted polymer. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 849-856.	4.0	37
97	Aptamer@Au-o-phenylenediamine modified pencil graphite electrode: A new selective electrochemical impedance biosensor for the determination of insulin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 47-53.	2.5	37
98	A new electrochemical sensor for the simultaneous determination of guanine and adenine: using a NiAl-layered double hydroxide/graphene oxide-multi wall carbon nanotube modified glassy carbon electrode. <i>RSC Advances</i> , 2015, 5, 75756-75765.	1.7	36
99	CoFe ₂ O ₄ /reduced graphene oxide/ionic liquid modified glassy carbon electrode, a selective and sensitive electrochemical sensor for determination of methotrexate. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 45-50.	2.7	36
100	Simultaneous Determination of codeine and noscapine by flow-injection chemiluminescence method using N-PLS regression. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 234-239.	1.4	35
101	A novel sensitive doxorubicin impedimetric immunosensor based on a specific monoclonal antibody@“gold nanoparticle@“sol@“gel modified electrode. <i>Talanta</i> , 2014, 119, 164-169.	2.9	35
102	Determination of atropine sulfate using a novel sensitive DNA@“biosensor based on its interaction on a modified pencil graphite electrode. <i>Talanta</i> , 2015, 131, 149-155.	2.9	35
103	Development of a nano plastic antibody for determination of propranolol using CdTe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 846-853.	4.0	35
104	DNA-Based Biosensor for Comparative Study of Catalytic Effect of Transition Metals on Autoxidation of Sulfite. <i>Analytical Chemistry</i> , 2013, 85, 991-997.	3.2	34
105	Ni ₃ S ₂ /ball-milled silicon flour as a bi-functional electrocatalyst for hydrogen and oxygen evolution reactions. <i>Energy</i> , 2016, 116, 392-401.	4.5	34
106	Pt-modified nitrogen doped reduced graphene oxide: A powerful electrocatalyst for direct CO ₂ reduction to methanol. <i>Journal of Electroanalytical Chemistry</i> , 2016, 783, 82-89.	1.9	34
107	Ultra-sensitive electrochemical aptasensor based on zeolitic imidazolate framework-8 derived Ag/Au core-shell nanoparticles for mercury detection in water samples. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129426.	4.0	34
108	Development of a voltammetric procedure for assay of thebaine at a multi-walled carbon nanotubes electrode: quantification and electrochemical studies. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1079-1088.	1.2	33

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109	Graphene/nano-porous silicon and graphene/bimetallic silicon nanostructures (Pt@M, M: Pd, Ru, Rh), efficient electrocatalysts for the hydrogen evolution reaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23770-23782.	1.3	33
110	Pd@CeO ₂ -SnO ₂ nanocomposite, a highly selective and sensitive hydrogen peroxide electrochemical sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126683.	4.0	33
111	Synthesis of engineered graphene nanocomposites coated with NiCo metal-organic frameworks as electrodes for high-quality supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 32059-32071.	3.8	33
112	Multiwall carbon nanotubes decorated with FeCr ₂ O ₄ , a new selective electrochemical sensor for amoxicillin determination. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	32
113	Ni-Co-Se nanoparticles modified reduced graphene oxide nanoflakes, an advance electrocatalyst for highly efficient hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2016, 213, 423-431.	2.6	32
114	Zirconium dioxide-reduced graphene oxide nanocomposite-coated stir-bar sorptive extraction coupled with ion mobility spectrometry for determining ethion. <i>Talanta</i> , 2018, 182, 285-291.	2.9	32
115	Nano-level determination of copper with atomic absorption spectrometry after pre-concentration on N,N-(4-methyl-1,2-phenylene)diquinoline-2-carboxamide naphthalene. <i>Journal of Hazardous Materials</i> , 2009, 168, 787-792.	6.5	31
116	Selective separation and determination of primidone in pharmaceutical and human serum samples using molecular imprinted polymer-electrospray ionization ion mobility spectrometry (MIP-ESI-IMS). <i>Talanta</i> , 2009, 79, 669-675.	2.9	31
117	A sensitive and selective voltammetric sensor based on multiwall carbon nanotubes decorated with MgCr ₂ O ₄ for the determination of azithromycin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 468-474.	2.5	31
118	Assessment of genotoxicity of catecholics using impedimetric DNA-biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 53, 43-50.	5.3	31
119	Facile synthesis of Pt@Pd@Silicon nanostructure as an advanced electrocatalyst for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2015, 282, 452-461.	4.0	31
120	Bentonite surface modification and characterization for high selective phosphate adsorption from aqueous media and its application for wastewater treatments. <i>Journal of Water Reuse and Desalination</i> , 2017, 7, 175-186.	1.2	31
121	Nanofibrous poly(ethylene oxide) based structures incorporated with multi-walled carbon nanotube and graphene oxide as all-solid-state electrolytes for lithium ion batteries. <i>Polymer International</i> , 2019, 68, 1787-1794.	1.6	31
122	Evaluating the electrochemical properties of PEO based nanofibrous electrolytes incorporated with TiO ₂ nanofiller applicable in lithium ion batteries. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1234-1242.	1.6	31
123	Design a fluorometric aptasensor based on CoOOH nanosheets and carbon dots for simultaneous detection of lysozyme and adenosine triphosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118197.	2.0	30
124	Modified Glassy Carbon Electrode with Multiwall Carbon Nanotubes as a Voltammetric Sensor for Determination of Leucine in Biological and Pharmaceutical Samples. <i>Analytical Letters</i> , 2008, 41, 2267-2286.	1.0	29
125	Lysozyme aptasensor based on a glassy carbon electrode modified with a nanocomposite consisting of multi-walled carbon nanotubes, poly(diallyl dimethyl ammonium chloride) and carbon quantum dots. <i>Mikrochimica Acta</i> , 2018, 185, 180.	2.5	29
126	An optical sensor with specific binding sites for the detection of thioridazine hydrochloride based on ZnO-QDs coated with molecularly imprinted polymer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 460-465.	2.0	29

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127	Graphitic carbon nitride nanosheets coated with Ni ₂ CoS ₄ nanoparticles as a high-rate electrode material for supercapacitor application. <i>Ceramics International</i> , 2019, 45, 8518-8524.	2.3	29
128	Fast response and selective perchlorate polymeric membrane electrode based on bis(dibenzoylmethanato) nickel(II) complex as a neutral carrier. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 600-605.	4.0	28
129	Nanolayer treatment to realize suitable configuration for electrochemical allopurinol sensor based on molecular imprinting recognition sites on multiwall carbon nanotube surface. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 99-104.	4.0	28
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