Ali A Ensafi

List of Publications by Year
in descending order

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521 papers	17,058 citations	17405 63 h-index	42291 92 g-index
526 all docs	526 docs citations	526 times ranked	13037 citing authors

#	Article	IF	Citations
1	A Novel DNA Biosensor Based on a Pencil Graphite Electrode Modified with Polypyrrole/Functionalized Multiwalled Carbon Nanotubes for Determination of 6-Mercaptopurine Anticancer Drug. Industrial & Engineering Chemistry Research, 2015, 54, 3634-3639.	1.8	395
2	A high sensitive biosensor based on FePt/CNTs nanocomposite/N-(4-hydroxyphenyl)-3,5-dinitrobenzamide modified carbon paste electrode for simultaneous determination of glutathione and piroxicam. Biosensors and Bioelectronics, 2014, 60, 1-7.	5.3	283
3	Modified multiwall carbon nanotubes paste electrode as a sensor for simultaneous determination of 6-thioguanine and folic acid using ferrocenedicarboxylic acid as a mediator. Journal of Electroanalytical Chemistry, 2010, 640, 75-83.	1.9	282
4	Sensitive voltammetric determination of epinephrine in the presence of acetaminophen at a novel ionic liquid modified carbon nanotubes paste electrode. Journal of Molecular Liquids, 2012, 168, 69-74.	2.3	198
5	Simultaneous determination of N-acetylcysteine and acetaminophen by voltammetric method using N-(3,4-dihydroxyphenethyl)-3,5-dinitrobenzamide modified multiwall carbon nanotubes paste electrode. Sensors and Actuators B: Chemical, 2011, 155, 464-472.	4.0	195
6	Application of modified multiwall carbon nanotubes paste electrode for simultaneous voltammetric determination of morphine and diclofenac in biological and pharmaceutical samples. Sensors and Actuators B: Chemical, 2012, 169, 96-105.	4.0	193
7	A differential pulse voltammetric method for simultaneous determination of ascorbic acid, dopamine, and uric acid using poly (3-(5-chloro-2-hydroxyphenylazo)-4,5-dihydroxynaphthalene-2,7-disulfonic) Tj ETQq1 1 0.784314 rgBT /Overlock	4.0	177
8	Highly selective determination of ascorbic acid, dopamine, and uric acid by differential pulse voltammetry using poly(sulfonazo III) modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2010, 147, 213-221.	4.0	169
9	Simultaneous determination of copper, lead and cadmium by cathodic adsorptive stripping voltammetry using artificial neural network. Analytica Chimica Acta, 2006, 561, 225-232.	2.6	167
10	Electrochemical sensor based on glassy carbon electrode modified by polymelamine formaldehyde/graphene oxide nanocomposite for ultrasensitive detection of oxycodone. Mikrochimica Acta, 2021, 188, 1.	2.5	142
11	A voltammetric sensor based on NiO/CNTs ionic liquid carbon paste electrode for determination of morphine in the presence of diclofenac. Materials Science and Engineering C, 2014, 35, 379-385.	3.8	139
12	Highly sensitive voltammetric sensor based on catechol-derivative-multiwall carbon nanotubes for the catalytic determination of captopril in patient human urine samples. Colloids and Surfaces B: Biointerfaces, 2011, 87, 480-488.	2.5	127
13	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. Materials Science and Engineering C, 2019, 98, 826-833.	3.8	122
14	Engineering onion-like nanoporous CuCo₂O₄ hollow spheres derived from bimetalâ€“organic frameworks for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 10497-10506.	5.2	119
15	An electrochemical nanocomposite modified carbon paste electrode as a sensor for simultaneous determination of hydrazine and phenol in water and wastewater samples. Environmental Science and Pollution Research, 2014, 21, 5879-5888.	2.7	113
16	Electrochemical determination of hydrogen peroxide using copper/porous silicon based non-enzymatic sensor. Sensors and Actuators B: Chemical, 2014, 196, 398-405.	4.0	106
17	A new non-enzymatic glucose sensor based on copper/porous silicon nanocomposite. Electrochimica Acta, 2014, 123, 219-226.	2.6	105
18	Metronidazole determination with an extremely sensitive and selective electrochemical sensor based on graphene nanoplatelets and molecularly imprinted polymers on graphene quantum dots. Sensors and Actuators B: Chemical, 2018, 270, 192-199.	4.0	101

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19	Electrochemical sensor based on porous silicon/silver nanocomposite for the determination of hydrogen peroxide. Sensors and Actuators B: Chemical, 2016, 231, 239-244.	4.0	100
20	Kinetic spectrophotometric determination of hydrazine. Analytica Chimica Acta, 1995, 300, 307-311.	2.6	99
21	Synthesis of molecularly imprinted polymer on carbon quantum dots as an optical sensor for selective fluorescent determination of promethazine hydrochloride. Sensors and Actuators B: Chemical, 2018, 257, 889-896.	4.0	99
22	Characterization of Mn-nanoparticles decorated organo-functionalized SiO2â€“Al2O3 mixed-oxide as a novel electrochemical sensor: application for the voltammetric determination of captopril. Journal of Materials Chemistry, 2011, 21, 15022.	6.7	97
23	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. Food Chemistry, 2020, 310, 125812.	4.2	97
24	Flow injection determination of hydrazine with fluorimetric detection. Talanta, 1998, 47, 645-649.	2.9	95
25	Fast and sensitive determination of captopril by voltammetric method using ferrocenedicarboxylic acid modified carbon paste electrode. Journal of Solid State Electrochemistry, 2010, 14, 9-15.	1.2	93
26	Voltammetric determination of norepinephrine in the presence of acetaminophen using a novel ionic liquid/multiwall carbon nanotubes paste electrode. Materials Science and Engineering C, 2012, 32, 1912-1918.	3.8	92
27	A novel one-step and green synthesis of highly fluorescent carbon dots from saffron for cell imaging and sensing of prilocaine. Sensors and Actuators B: Chemical, 2017, 253, 451-460.	4.0	91
28	DNA-functionalized biosensor for riboflavin based electrochemical interaction on pretreated pencil graphite electrode. Biosensors and Bioelectronics, 2012, 31, 376-381.	5.3	90
29	Caffeine electrochemical sensor using imprinted film as recognition element based on polypyrrole, sol-gel, and gold nanoparticles hybrid nanocomposite modified pencil graphite electrode. Biosensors and Bioelectronics, 2014, 60, 77-83.	5.3	89
30	Fabrication of an electrochemical DNA-based biosensor for Bacillus cereus detection in milk and infant formula. Biosensors and Bioelectronics, 2016, 80, 582-589.	5.3	89
31	Electrocatalytic Determination of 6â€Tioguanine at a pâ€Aminophenol Modified Carbon Paste Electrode. Electroanalysis, 2008, 20, 1973-1979.	1.5	88
32	Simultaneous Determination of Ascorbic Acid, Acetaminophen, and Tryptophan by Square Wave Voltammetry Using Nâ€(3,4â€Dihydroxyphenethyl)â€3,5â€Dinitrobenzamideâ€Modified Carbon Nanotubes Paste Electrode. Electroanalysis, 2012, 24, 666-675.	1.5	87
33	A new strategy for the selective determination of glutathione in the presence of nicotinamide adenine dinucleotide (NADH) using a novel modified carbon nanotube paste electrode. Colloids and Surfaces B: Biointerfaces, 2013, 104, 186-193.	2.5	87
34	A Voltammetric Sensor Based on Modified Multiwall Carbon Nanotubes for Cysteamine Determination in the Presence of Tryptophan Using pâ€Aminophenol as a Mediator. Electroanalysis, 2010, 22, 2558-2568.	1.5	85
35	Simultaneous determination of ascorbic acid, epinephrine, and uric acid by differential pulse voltammetry using poly(p-xylenolsulfonephthalein) modified glassy carbon electrode. Colloids and Surfaces B: Biointerfaces, 2010, 79, 480-487.	2.5	85
36	p-Aminophenolâ€“multiwall carbon nanotubesâ€“TiO2 electrode as a sensor for simultaneous determination of penicillamine and uric acid. Colloids and Surfaces B: Biointerfaces, 2010, 81, 42-49.	2.5	85

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37	Application of ionic liquidâ€“TiO2 nanoparticle modified carbon paste electrode for the voltammetric determination of benserazide in biological samples. Materials Science and Engineering C, 2013, 33, 831-835.	3.8	85
38	On-line separation and preconcentration of lead(II) by solid-phase extraction using activated carbon loaded with xylenol orange and its determination by flame atomic absorption spectrometry. Journal of Hazardous Materials, 2008, 150, 554-559.	6.5	84
39	A Voltammetric Sensor for the Simultaneous Determination of l-Cysteine and Tryptophan Using a p-Aminophenol-Multiwall Carbon Nanotube Paste Electrode. Analytical Sciences, 2011, 27, 409-414.	0.8	84
40	A sensitive nanocomposite-based electrochemical sensor for voltammetric simultaneous determination of isoproterenol, acetaminophen and tryptophan. Measurement: Journal of the International Measurement Confederation, 2014, 51, 91-99.	2.5	84
41	Fabrication of DNA, o-phenylenediamine, and gold nanoparticle bioimprinted polymer electrochemical sensor for the determination of dopamine. Biosensors and Bioelectronics, 2015, 66, 490-496.	5.3	84
42	An electrochemical sensor based on multiwall carbon nanotubes and molecular imprinting strategy for warfarin recognition and determination. Sensors and Actuators B: Chemical, 2014, 196, 539-545.	4.0	83
43	Electrocatalytic and Simultaneous Determination of Ascorbic Acid, Nicotinamide Adenine Dinucleotide and Folic Acid at Ruthenium(II) Complexâ€ZnO/CNTs Nanocomposite Modified Carbon Paste Electrode. Electroanalysis, 2014, 26, 962-970.	1.5	83
44	Cerium(IV) oxide decorated on reduced graphene oxide, a selective and sensitive electrochemical sensor for fenitrothion determination. Sensors and Actuators B: Chemical, 2017, 245, 980-987.	4.0	83
45	A novel enzyme-free amperometric sensor for hydrogen peroxide based on Nafion/exfoliated graphene oxideâ€“Co3O4 nanocomposite. Talanta, 2013, 103, 322-329.	2.9	81
46	An ultrasensitive and selective electrochemical aptasensor based on rGO-MWCNTs/Chitosan/carbon quantum dot for the detection of lysozyme. Biosensors and Bioelectronics, 2018, 115, 37-44.	5.3	81
47	Sensitive voltammetric determination of diclofenac using room-temperature ionic liquid-modified carbon nanotubes paste electrode. Ionics, 2013, 19, 137-144.	1.2	80
48	Electrocatalytic determination of sulfite using a modified carbon nanotubes paste electrode: application for determination of sulfite in real samples. Ionics, 2012, 18, 687-694.	1.2	79
49	Nickel nanoparticles supported on porous silicon flour, application as a non-enzymatic electrochemical glucose sensor. Sensors and Actuators B: Chemical, 2017, 239, 807-815.	4.0	79
50	Nâ€(3,4â€Dihydroxyphenethyl)â€3,5â€dinitrobenzamideâ€Modified Multiwall Carbon Nanotubes Paste Electrode as a Novel Sensor for Simultaneous Determination of Penicillamine, Uric acid, and Tryptophan. Electroanalysis, 2011, 23, 1478-1487.	1.5	78
51	A new electrochemical sensor for the simultaneous determination of acetaminophen and codeine based on porous silicon/palladium nanostructure. Talanta, 2015, 134, 745-753.	2.9	78
52	A novel electrochemical nanocomposite imprinted sensor for the determination of lorazepam based on modified polypyrrole@sol-gel@gold nanoparticles/pencil graphite electrode. Electrochimica Acta, 2014, 123, 332-339.	2.6	77
53	Electrocatalytic oxidation of hydrazine with pyrogallol red as a mediator on glassy carbon electrode. Journal of Electroanalytical Chemistry, 2005, 583, 176-183.	1.9	76
54	A simple and sensitive fluorimetric aptasensor for the ultrasensitive detection of arsenic(III) based on cysteamine stabilized CdTe/ZnS quantum dots aggregation. Biosensors and Bioelectronics, 2016, 77, 499-504.	5.3	75

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55	Sensitive DNA impedance biosensor for detection of cancer, chronic lymphocytic leukemia, based on gold nanoparticles/gold modified electrode. Electrochimica Acta, 2011, 56, 8176-8183.	2.6	74
56	Multiwall carbon nanotubes decorated with NiFe2O4 magnetic nanoparticles, a new catalyst for voltammetric determination of cefixime. Colloids and Surfaces B: Biointerfaces, 2013, 102, 687-693.	2.5	74
57	Voltammetric determination of isoproterenol using multiwall carbon nanotubesâ€ionic liquid paste electrode. Drug Testing and Analysis, 2011, 3, 325-330.	1.6	73
58	A novel sensitive DNAâ€“biosensor for detection of a carcinogen, Sudan II, using electrochemically treated pencil graphite electrode by voltammetric methods. Talanta, 2012, 88, 244-251.	2.9	68
59	Hydrogen storage in hybrid of layered double hydroxides/reduced graphene oxide using spillover mechanism. Energy, 2016, 99, 103-114.	4.5	68
60	Determination of glutathione in hemolysed erythrocyte by flow injection analysis with chemiluminescence detection. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 140-144.	1.4	66
61	The fabrication and characterization of Cu-nanoparticle immobilization on a hybrid chitosan derivative-carbon support as a novel electrochemical sensor: application for the sensitive enzymeless oxidation of glucose and reduction of hydrogen peroxide. Journal of Materials Chemistry B, 2014, 2, 706-717.	2.9	66
62	Ferrocenedicarboxylic acid modified carbon paste electrode: a sensor for electrocatalytic determination of hydrochlorothiazide. Journal of the Brazilian Chemical Society, 2009, 20, 880-887.	0.6	65
63	Sequential flow injection spectrophotometric determination of nitrite and nitrate in various samples. Analytica Chimica Acta, 2001, 442, 319-326.	2.6	64
64	Quantitative Study of the Effect of Coverage on the Hybridization Efficiency of Surface-Bound DNA Nanostructures. Nano Letters, 2008, 8, 4134-4139.	4.5	64
65	An electrochemical biosensor based on nanoporous stainless steel modified by gold and palladium nanoparticles for simultaneous determination of levodopa and uric acid. Talanta, 2016, 158, 42-50.	2.9	64
66	A highly selective optical sensor for catalytic determination of ultra-trace amounts of nitrite in water and foods based on brilliant cresyl blue as a sensing reagent. Sensors and Actuators B: Chemical, 2010, 147, 61-66.	4.0	63
67	Characterization of MgFe2O4 Nanoparticles as a Novel Electrochemical Sensor: Application for the Voltammetric Determination of Ciprofloxacin. Analytical Sciences, 2012, 28, 705-710.	0.8	63
68	Simultaneous detection of folic acid and methotrexate by an optical sensor based on molecularly imprinted polymers on dual-color CdTe quantum dots. Analytica Chimica Acta, 2017, 996, 64-73.	2.6	63
69	Application of coated green source carbon dots with silica molecularly imprinted polymers as a fluorescence probe for selective and sensitive determination of phenobarbital. Talanta, 2019, 194, 143-149.	2.9	63
70	Simultaneous voltammetric determination of molybdenum and copper by adsorption cathodic differential pulse stripping method using a principal component artificial neural network. Talanta, 2002, 57, 785-793.	2.9	61
71	Fabricated of bimetallic Pd/Pt nanostructure deposited on copper nanofoam substrate by galvanic replacement as an effective electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2015, 40, 6754-6762.	3.8	61
72	Fluorometric label-free aptasensor for detection of the pesticideÂacetamiprid by using cationic carbon dots prepared with cetrimonium bromide. Mikrochimica Acta, 2019, 186, 273.	2.5	61

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73	Lead selective membrane electrode using cryptand(222) neutral carrier. Fresenius' Journal of Analytical Chemistry, 1999, 364, 690-693.	1.5	60
74	Optical pH Sensor Based On Chemical Modification of Polymer Film. Microchemical Journal, 1999, 63, 381-388.	2.3	60
75	Molecularly imprinted-multiwall carbon nanotube paste electrode as a biosensor for voltammetric detection of rutin. Analytical Methods, 2011, 3, 2510.	1.3	60
76	Development of a mercury optical sensor based on immobilization of 4-(2-pyridylazo)-resorcinol on a triacetylcellulose membrane. Sensors and Actuators B: Chemical, 2006, 113, 88-93.	4.0	59
77	Simultaneous Voltammetric Determination of Enrofloxacin and Ciprofloxacin in Urine and Plasma Using Multiwall Carbon Nanotubes Modified Glassy Carbon Electrode by Least-Squares Support Vector Machines. Analytical Sciences, 2010, 26, 803-808.	0.8	59
78	Simultaneous determination of guanine and adenine in DNA based on NiFe2O4 magnetic nanoparticles decorated MWCNTs as a novel electrochemical sensor using adsorptive stripping voltammetry. Sensors and Actuators B: Chemical, 2013, 177, 634-642.	4.0	59
79	Electrochemical preparation and characterization of a polypyrrole/nickel-cobalt hexacyanoferrate nanocomposite for supercapacitor applications. RSC Advances, 2015, 5, 91448-91456.	1.7	58
80	Application of adsorptive cathodic differential pulse stripping method for simultaneous determination of copper and molybdenum using pyrogallol red. Analytica Chimica Acta, 2004, 505, 201-207.	2.6	57
81	Different interaction of codeine and morphine with DNA: A concept for simultaneous determination. Biosensors and Bioelectronics, 2013, 41, 627-633.	5.3	57
82	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. Electrochimica Acta, 2014, 130, 397-405.	2.6	57
83	An ionic liquid-type multiwall carbon nanotubes paste electrode for electrochemical investigation and determination of morphine. Ionics, 2011, 17, 659-668.	1.2	56
84	A simple and rapid label-free fluorimetric biosensor for protamine detection based on glutathione-capped CdTe quantum dots aggregation. Biosensors and Bioelectronics, 2015, 71, 243-248.	5.3	56
85	Highly selective lead(II) coated-wire electrode based on a new Schiff base. Sensors and Actuators B: Chemical, 2003, 96, 441-445.	4.0	55
86	Cobalt ferrite nanoparticles decorated on exfoliated graphene oxide, application for amperometric determination of NADH and H 2 O 2. Materials Science and Engineering C, 2016, 60, 276-284.	3.8	55
87	Development of an eco-friendly fluorescence nanosensor based on molecularly imprinted polymer on silica-carbon quantum dot for the rapid indoxacarb detection. Food Chemistry, 2021, 339, 127920.	4.2	55
88	Simultaneous determination of nitrite and nitrate in various samples using flow injection with spectrophotometric detection. Analytica Chimica Acta, 1999, 382, 15-21.	2.6	54
89	Simultaneous spectrophotometric determinations of cobalt, nickel and copper using partial least squares based on singular value decomposition. Talanta, 1999, 49, 587-596.	2.9	54
90	Determination of isoproterenol and uric acid by voltammetric method using carbon nanotubes paste electrode and p-chloranil. Colloids and Surfaces B: Biointerfaces, 2011, 84, 148-154.	2.5	54

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91	An impedimetric aptasensor for Shigella dysenteriae using a gold nanoparticle-modified glassy carbon electrode. Mikrochimica Acta, 2018, 185, 538.	2.5	54
92	A novel aptasensor based on 3D-reduced graphene oxide modified gold nanoparticles for determination of arsenite. Biosensors and Bioelectronics, 2018, 122, 25-31.	5.3	54
93	On-line Preconcentration System for Lead(II) Determination in Waste Water by Atomic Absorption Spectrometry Using Active Carbon Loaded with Pyrogallol Red. Analytical Sciences, 2003, 19, 953-956.	0.8	53
94	Simultaneous determination of cysteamine and folic acid in pharmaceutical and biological samples using modified multiwall carbon nanotube paste electrode. Chinese Chemical Letters, 2012, 23, 237-240.	4.8	53
95	Selective thiocyanate poly(vinyl chloride) membrane based on a 1,8-dibenzyl-1,3,6,8,10,13-hexaazacyclotetradecaneâ€“Ni(II) perchlorate. Analytica Chimica Acta, 2002, 462, 25-30.	2.6	52
96	Wavelet neural network modeling in QSPR for prediction of solubility of 25 anthraquinone dyes at different temperatures and pressures in supercritical carbon dioxide. Journal of Molecular Graphics and Modelling, 2006, 25, 46-54.	1.3	52
97	Biosensor based on ds-DNA decorated chitosan modified multiwall carbon nanotubes for voltammetric biodetection of herbicide amitrole. Colloids and Surfaces B: Biointerfaces, 2013, 109, 45-51.	2.5	52
98	Simultaneous determination of trace amounts of cadmium, nickel and cobalt in water samples by adsorptive voltammetry using ammonium 2-amino-cyclopentene dithiocarboxylate as a chelating agent. Talanta, 2000, 52, 435-440.	2.9	51
99	Simultaneous determination of morphine and codeine using Pt nanoparticles supported on porous silicon flour modified ionic liquid carbon paste electrode. Sensors and Actuators B: Chemical, 2015, 219, 1-9.	4.0	51
100	Pyridine-functionalized graphene oxide, an efficient metal free electrocatalyst for oxygen reduction reaction. Electrochimica Acta, 2016, 194, 95-103.	2.6	51
101	Development of a selective prilocaine optical sensor based on molecularly imprinted shell on CdTe quantum dots. Sensors and Actuators B: Chemical, 2017, 242, 835-841.	4.0	51
102	Simultaneous Spectrophotometric Determination of Nitrite and Nitrate by Flow Injection Analysis. Analytical Sciences, 2004, 20, 1749-1753.	0.8	50
103	Determination of tryptophan and histidine by adsorptive cathodic stripping voltammetry using H-point standard addition method. Analytica Chimica Acta, 2006, 580, 236-243.	2.6	50
104	Simultaneous determination of ascorbic acid, epinephrine, and uric acid by differential pulse voltammetry using poly(3,3â€²-bis[N,N-bis(carboxymethyl)aminomethyl]-o-cresolsulfonephthalein) modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2010, 150, 321-329.	4.0	50
105	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. Electrochimica Acta, 2015, 173, 619-629.	2.6	50
106	Molecularly imprinted electrochemical aptasensor for the attomolar detection of bisphenol A. Mikrochimica Acta, 2018, 185, 265.	2.5	50
107	Electrochemical preparation of CuBi2O4 nanoparticles on nanoporous stainless steel as a binder-free supercapacitor electrode. Journal of Alloys and Compounds, 2015, 652, 39-47.	2.8	49
108	Non-enzymatic glucose electrochemical sensor based on silver nanoparticle decorated organic functionalized multiwall carbon nanotubes. RSC Advances, 2016, 6, 60926-60932.	1.7	49

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109	Facile Synthesis of Yolk-Shelled CuCo₂Se₄ Microspheres as a Novel Electrode Material for Supercapacitor Application. ACS Applied Materials & Interfaces, 2020, 12, 418-427.	4.0	49
110	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. Analytica Chimica Acta, 2020, 1111, 92-102.	2.6	49
111	Highly selective electrochemical biosensor for the determination of folic acid based on DNA modified-pencil graphite electrode using response surface methodology. Materials Science and Engineering C, 2013, 33, 1753-1758.	3.8	48
112	Determination of Rutin in Pharmaceutical Compounds and Tea Using Cathodic Adsorptive Stripping Voltammetry. Electroanalysis, 2006, 18, 579-585.	1.5	47
113	NiFe₂O₄nanoparticles decorated with MWCNTs as a selective and sensitive electrochemical sensor for the determination of epinephrine using differential pulse voltammetry. Analytical Methods, 2014, 6, 6885-6892.	1.3	47
114	Facile synthesis of Pt-Cu@silicon nanostructure as a new electrocatalyst supported matrix, electrochemical detection of hydrazine and hydrogen peroxide. Electrochimica Acta, 2016, 190, 199-207.	2.6	47
115	Carbon Paste Electrode Prepared from Chemically Modified Multiwall Carbon Nanotubes for the Voltammetric Determination of Isoprenaline in Pharmaceutical and Urine Samples. Chinese Journal of Catalysis, 2012, 33, 1919-1926.	6.9	46
116	Voltammetric behavior of dopamine at a glassy carbon electrode modified with NiFe2O4 magnetic nanoparticles decorated with multiwall carbon nanotubes. Materials Science and Engineering C, 2014, 39, 78-85.	3.8	46
117	Nanohybrid organicâ€“inorganic chitosan/dopamine/TiO2 composites with controlled drug-delivery properties. Applied Surface Science, 2015, 342, 26-33.	3.1	46
118	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. Sensors and Actuators B: Chemical, 2019, 296, 126682.	4.0	46
119	Determination of 6â€mercaptopurine in the presence of uric acid using modified multiwall carbon nanotubesâ€TiO₂ as a voltammetric sensor. Drug Testing and Analysis, 2012, 4, 970-977.	1.6	45
120	A new electrochemical sensor based on porous silicon supported Ptâ€“Pd nanoalloy for simultaneous determination of adenine and guanine. Sensors and Actuators B: Chemical, 2014, 204, 528-535.	4.0	45
121	Silver nanoparticles decorated carboxylate functionalized SiO2, New nanocomposites for non-enzymatic detection of glucose and hydrogen peroxide. Electrochimica Acta, 2016, 214, 208-216.	2.6	45
122	Nanostructure polyoxometalates containing Co, Ni, and Cu as powerful and stable catalysts for hydrogen evolution reaction in acidic and alkaline solutions. International Journal of Hydrogen Energy, 2017, 42, 5026-5034.	3.8	45
123	Study on the interaction between morin-bi(III) complex and DNA with the use of methylene blue dye as a fluorophor probe. Journal of the Brazilian Chemical Society, 2009, 20, 266-276.	0.6	44
124	Modified Au nanoparticles-imprinted solâ€“gel, multiwall carbon nanotubes pencil graphite electrode used as a sensor for ranitidine determination. Materials Science and Engineering C, 2014, 37, 113-119.	3.8	44
125	Ultra-sensitive and selective electrochemical biosensor with aptamer recognition surface based on polymer quantum dots and C60/MWCNTs- polyethylenimine nanocomposites for analysis of thrombin protein. Bioelectrochemistry, 2021, 138, 107701.	2.4	44
126	Flow-Injection Spectrophotometric Determination of Hydrazine. Microchemical Journal, 1997, 56, 269-275.	2.3	43

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127	Polyoxometalate-decorated graphene nanosheets and carbon nanotubes, powerful electrocatalysts for hydrogen evolution reaction. Carbon, 2016, 99, 398-406.	5.4	43
128	A novel optical sensor based on carbon dots embedded molecularly imprinted silica for selective acetamiprid detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 36-43.	2.0	43
129	Lead ion-selective electrode prepared by solâ€“gel and PVC membrane techniques. Sensors and Actuators B: Chemical, 2005, 107, 438-445.	4.0	42
130	N-hexyl-3-methylimidazolium hexafluoro phosphate/multiwall carbon nanotubes paste electrode as a biosensor for voltammetric detection of morphine. Journal of Molecular Liquids, 2012, 174, 42-47.	2.3	42
131	A fluorometric aptasensor for methamphetamine based on fluorescence resonance energy transfer using cobalt oxyhydroxide nanosheets and carbon dots. Mikrochimica Acta, 2018, 185, 303.	2.5	42
132	Co(OH)2 nanoparticles deposited on reduced graphene oxide nanoflake as a suitable electrode material for supercapacitor and oxygen evolution reaction in alkaline media. International Journal of Hydrogen Energy, 2017, 42, 16538-16546.	3.8	41
133	An impedimetric aptasensor for ultrasensitive detection of Penicillin G based on the use of reduced graphene oxide and gold nanoparticles. Mikrochimica Acta, 2019, 186, 372.	2.5	41
134	Simultaneous determination of nitrite and nitrate in various samples using flow-injection spectrophotometric detection. Microchemical Journal, 2001, 69, 61-68.	2.3	40
135	Fabrication of a porous Pd film on nanoporous stainless steel using galvanic replacement as a novel electrocatalyst/electrode design for glycerol oxidation. Electrochimica Acta, 2014, 136, 89-96.	2.6	40
136	Fabrication of electrochemical sensor based on molecularly imprinted polymer and nanoparticles for determination trace amounts of morphine. Ionics, 2015, 21, 2969-2980.	1.2	40
137	Solubility prediction of 21 azo dyes in supercritical carbon dioxide using wavelet neural network. Dyes and Pigments, 2007, 73, 230-238.	2.0	39
138	Novel 8,9-dihydroxy-7-methyl-12H-benzothiazolo[2,3-b]quinazolin-12-one multiwalled carbon nanotubes paste electrode for simultaneous determination of ascorbic acid, acetaminophen and tryptophan. Analytical Methods, 2012, 4, 3275.	1.3	39
139	Selective determination of sucrose based on electropolymerized molecularly imprinted polymer modified multiwall carbon nanotubes/glassy carbon electrode. Materials Science and Engineering C, 2013, 33, 3553-3561.	3.8	39
140	Highly selective and sensitive voltammetric sensor for captopril determination based on modified multiwall carbon nanotubes paste electrode. Journal of the Brazilian Chemical Society, 2011, 22, 1315-1322.	0.6	38
141	Detection of DNA damage induced by chromium/glutathione/H2O2 system at MWCNTsâ€“poly(diallyldimethylammonium chloride) modified pencil graphite electrode using methylene blue as an electroactive probe. Sensors and Actuators B: Chemical, 2013, 177, 862-870.	4.0	38
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