List of Publications by Year in descending order

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Ρλημανι Ηλιιλι

#	Article	IF	CITATIONS
1	Nanomolar detection of hydrogen peroxide on glassy carbon electrode modified with electrodeposited cobalt oxide nanoparticles. Analytica Chimica Acta, 2007, 594, 24-31.	5.4	292
2	Glucose biosensor prepared by glucose oxidase encapsulated sol-gel and carbon-nanotube-modified basal plane pyrolytic graphite electrode. Analytical Biochemistry, 2004, 333, 49-56.	2.4	255
3	Electrochemical detection of trace amount of arsenic(III) at glassy carbon electrode modified with cobalt oxide nanoparticles. Sensors and Actuators B: Chemical, 2008, 129, 246-254.	7.8	215
4	Ultrasensitive electrochemical immunosensor for PSA biomarker detection in prostate cancer cells using gold nanoparticles/PAMAM dendrimer loaded with enzyme linked aptamer as integrated triple signal amplification strategy. Biosensors and Bioelectronics, 2015, 74, 915-923.	10.1	210
5	A highly sensitive prostate-specific antigen immunosensor based on gold nanoparticles/PAMAM dendrimer loaded on MWCNTS/chitosan/ionic liquid nanocomposite. Biosensors and Bioelectronics, 2014, 52, 20-28.	10.1	188
6	Catalytic oxidation of thiols at preheated glassy carbon electrode modified with abrasive immobilization of multiwall carbon nanotubes: applications to amperometric detection of thiocytosine, -cysteine and glutathione. Talanta, 2005, 66, 967-975.	5.5	156
7	Simultaneous determination of ascorbic acid, uric acid and neurotransmitters with a carbon ceramic electrode prepared by sol–gel technique. Talanta, 2006, 70, 823-832.	5.5	133
8	Low potential detection of NADH based on Fe3O4 nanoparticles/multiwalled carbon nanotubes composite: Fabrication of integrated dehydrogenase-based lactate biosensor. Biosensors and Bioelectronics, 2012, 33, 60-68.	10.1	133
9	Highly sensitive immunosensing of prostate-specific antigen based on ionic liquid–carbon nanotubes modified electrode: Application as cancer biomarker for prostatebiopsies. Biosensors and Bioelectronics, 2013, 42, 439-446.	10.1	131
10	A molecularly imprinted electrochemiluminescence sensor for ultrasensitive HIV-1 gene detection using EuS nanocrystals as luminophore. Biosensors and Bioelectronics, 2018, 117, 332-339.	10.1	124
11	Label-free electrochemical IgE aptasensor based on covalent attachment of aptamer onto multiwalled carbon nanotubes/ionic liquid/chitosan nanocomposite modified electrode. Biosensors and Bioelectronics, 2013, 43, 218-225.	10.1	123
12	Amperometric and voltammetric detection of hydrazine using glassy carbon electrodes modified with carbon nanotubes and catechol derivatives. Talanta, 2007, 75, 147-56.	5.5	121
13	Ultrasensitive electrochemiluminescence immunoassay for simultaneous determination of CA125 and CA15-3 tumor markers based on PAMAM-sulfanilic acid-Ru(bpy)32+ and PAMAM-CdTe@CdS nanocomposite. Biosensors and Bioelectronics, 2018, 99, 353-360.	10.1	114
14	Au nanoparticles/PAMAM dendrimer functionalized wired ethyleneamine–viologen as highly efficient interface for ultra-sensitive α-fetoprotein electrochemical immunosensor. Biosensors and Bioelectronics, 2014, 59, 389-396.	10.1	108
15	Amperometric Detection of Morphine at Preheated Glassy Carbon Electrode Modified with Multiwall Carbon Nanotubes. Electroanalysis, 2005, 17, 873-879.	2.9	102
16	Immobilization of hemoglobin on electrodeposited cobalt-oxide nanoparticles: Direct voltammetry and electrocatalytic activity. Biophysical Chemistry, 2007, 130, 122-131.	2.8	100
17	Modification of glassy carbon electrode with multi-walled carbon nanotubes and iron(III)-porphyrin film: Application to chlorate, bromate and iodate detection. Electrochimica Acta, 2007, 52, 6097-6105.	5.2	97
18	Switchable electrochemiluminescence aptasensor coupled with resonance energy transfer for selective attomolar detection of Hg2+ via CdTe@CdS/dendrimer probe and Au nanoparticle quencher. Biosensors and Bioelectronics, 2018, 102, 328-335.	10.1	97

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19	A highly sensitive electrochemical immunosensor for hepatitis B virus surface antigen detection based on Hemin/G-quadruplex horseradish peroxidase-mimicking DNAzyme-signal amplification. Biosensors and Bioelectronics, 2017, 94, 184-192.	10.1	91
20	Mimicking peroxidase-like activity of Co3O4-CeO2 nanosheets integrated paper-based analytical devices for detection of glucose with smartphone. Sensors and Actuators B: Chemical, 2019, 288, 44-52.	7.8	79
21	Fabrication of electrochemical theophylline sensor based on manganese oxide nanoparticles/ionic liquid/chitosan nanocomposite modified glassy carbon electrode. Electrochimica Acta, 2013, 108, 707-716.	5.2	77
22	Manganese oxide nanoflakes/multi-walled carbon nanotubes/chitosan nanocomposite modified glassy carbon electrode as a novel electrochemical sensor for chromium (III) detection. Electrochimica Acta, 2015, 156, 207-215.	5.2	76
23	Picomolar Detection of Insulin at Renewable Nickel Powder-Doped Carbon Composite Electrode. Analytical Chemistry, 2007, 79, 7431-7438.	6.5	72
24	Fabrication of a Sensitive Cholesterol Biosensor Based on Cobaltâ€oxide Nanostructures Electrodeposited onto Glassy Carbon Electrode. Electroanalysis, 2009, 21, 2693-2700.	2.9	72
25	Simultaneous Determination of Ranitidine and Metronidazole at Glassy Carbon Electrode Modified with Single Wall Carbon Nanotubes. Electroanalysis, 2007, 19, 1668-1676.	2.9	71
26	Electrochemical properties and electrocatalytic activity of FAD immobilized onto cobalt oxide nanoparticles: Application to nitrite detection. Journal of Electroanalytical Chemistry, 2008, 619-620, 31-38.	3.8	66
27	Mimicking peroxidase activity of Co2(OH)2CO3-CeO2 nanocomposite for smartphone based detection of tumor marker using paper-based microfluidic immunodevice. Talanta, 2018, 189, 100-110.	5.5	66
28	Influence of nano-ZnO on microbial growth, bioactive content and postharvest quality of strawberries during storage. Innovative Food Science and Emerging Technologies, 2016, 35, 168-176.	5.6	65
29	Electrooxidation of insulin at silicon carbide nanoparticles modified glassy carbon electrode. Electrochemistry Communications, 2009, 11, 1116-1119.	4.7	62
30	Nickel nanoclusters as a novel emitter for molecularly imprinted electrochemiluminescence based sensor toward nanomolar detection of creatinine. Biosensors and Bioelectronics, 2018, 107, 272-279.	10.1	60
31	Electrocatalytic oxidation of NADH at electrogenerated NAD+ oxidation product immobilized onto multiwalled carbon nanotubes/ionic liquid nanocomposite: Application to ethanol biosensing. Talanta, 2012, 90, 91-98.	5.5	59
32	CuO/WO3 nanoparticles decorated graphene oxide nanosheets with enhanced peroxidase-like activity for electrochemical cancer cell detection and targeted therapeutics. Materials Science and Engineering C, 2019, 99, 1374-1383.	7.3	53
33	Antifungal activity of the lemongrass and clove oil encapsulated in mesoporous silica nanoparticles against wheat's take-all disease. Pesticide Biochemistry and Physiology, 2020, 170, 104696.	3.6	53
34	Ultrasensitive electrochemiluminescence immunosensor for determination of hepatitis B virus surface antigen using CdTe@CdS-PAMAM dendrimer as luminescent labels and Fe3O4 nanoparticles as magnetic beads. Sensors and Actuators B: Chemical, 2018, 254, 551-560.	7.8	52
35	Ni-hemin metal–organic framework with highly efficient peroxidase catalytic activity: toward colorimetric cancer cell detection and targeted therapeutics. Journal of Nanobiotechnology, 2018, 16, 93.	9.1	50
36	Immobilization of [Cu(bpy)2]Br2 complex onto a glassy carbon electrode modified with α-SiMo12O404â^' and single walled carbon nanotubes: Application to nanomolar detection of hydrogen peroxide and bromate. Analytica Chimica Acta, 2009, 635, 63-70.	5.4	44

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37	Highly sensitive electrocatalytic detection of nitrite based on SiC nanoparticles/amine terminated ionic liquid modified glassy carbon electrode integrated with flow injection analysis. Sensors and Actuators B: Chemical, 2014, 205, 136-142.	7.8	44
38	Highly sensitive electrochemical aptasensor for immunoglobulin E detection based on sandwich assay using enzyme-linked aptamer. Analytical Biochemistry, 2014, 466, 89-97.	2.4	44
39	Adsorption and Reactivity of Chlorogenic Acid at a Hydrophobic Carbon Ceramic Composite Electrode: Application for the Amperometric Detection of Hydrazine. Electroanalysis, 2004, 16, 1964-1971.	2.9	41
40	Micromolar determination of sulfur oxoanions and sulfide at a renewable sol–gel carbon ceramic electrode modified with nickel powder. Electrochimica Acta, 2006, 51, 1952-1959.	5.2	41
41	CuO nanorods as a laccase mimicking enzyme for highly sensitive colorimetric and electrochemical dual biosensor: Application in living cell epinephrine analysis. Colloids and Surfaces B: Biointerfaces, 2020, 195, 111228.	5.0	41
42	Electrosorption of Os(III)-complex at single-wall carbon nanotubes immobilized on a glassy carbon electrode: Application to nanomolar detection of bromate, periodate and iodate. Analytica Chimica Acta, 2008, 618, 43-53.	5.4	40
43	Electrocatalytic properties of [Ru(bpy)(tpy)Cl]PF6 at carbon ceramic electrode modified with nafion sol–gel composite: application to amperometric detection of l-cysteine. Analytica Chimica Acta, 2005, 534, 335-342.	5.4	38
44	Modification of carbon ceramic electrode prepared with sol?gel technique by a thin film of chlorogenic acid: application to amperometric detection of NADH. Talanta, 2005, 65, 888-894.	5.5	38
45	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
46	Cobalt oxide nanostructure-modified glassy carbon electrode as a highly sensitive flow injection amperometric sensor for the picomolar detection of insulin. Journal of Solid State Electrochemistry, 2012, 16, 1239-1246.	2.5	36
47	Magnetoimmunosensor for simultaneous electrochemical detection of carcinoembryonic antigen and α-fetoprotein using multifunctionalized Au nanotags. Journal of Electroanalytical Chemistry, 2018, 811, 8-15.	3.8	35
48	Electrodeposition of guanine oxidation product onto zinc oxide nanoparticles: Application to nanomolar detection of l-cysteine. Sensors and Actuators B: Chemical, 2009, 135, 632-641.	7.8	34
49	Synthesis of Iridium Oxide Nanotubes by Electrodeposition into Polycarbonate Template: Fabrication of Chromium(III) and Arsenic(III) Electrochemical Sensor. Electroanalysis, 2011, 23, 2429-2437.	2.9	33
50	A self-enhanced ECL-RET immunosensor for the detection of CA19-9 antigen based on Ru(bpy)2(phen-NH2)2+ - Amine-rich nitrogen-doped carbon nanodots as probe and graphene oxide grafted hyperbranched aromatic polyamide as platform. Analytica Chimica Acta, 2020, 1132, 55-65.	5.4	33
51	Graphdiyne nanosheet as a novel sensing platform for self-enhanced electrochemiluminescence of MOF enriched ruthenium (II) in the presence of dual co-reactants for detection of tumor marker. Biosensors and Bioelectronics, 2022, 195, 113657.	10.1	33
52	Immobilization of glucose oxidase onto a novel platform based on modified TiO2 and graphene oxide, direct electrochemistry, catalytic and photocatalytic activity. Materials Science and Engineering C, 2017, 73, 417-424.	7.3	32
53	Direct electron transfer and electrocatalytic properties of immobilized hemoglobin onto glassy carbon electrode modified with ionic-liquid/titanium-nitride nanoparticles: Application to nitrite detection. Sensors and Actuators B: Chemical, 2014, 191, 625-633.	7.8	31
54	Potential-resolved electrochemiluminescence immunoassay for simultaneous determination of CEA and AFP tumor markers using dendritic nanoclusters and Fe3O4@SiO2 nanoparticles. Mikrochimica Acta, 2017, 184, 3613-3623.	5.0	30

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55	Layer by layer assembly of catalase and amine-terminated ionic liquid onto titanium nitride nanoparticles modified glassy carbon electrode: Study of direct voltammetry and bioelectrocatalytic activity. Analytica Chimica Acta, 2012, 753, 32-41.	5.4	28
56	Controlling of morphology and electrocatalytic properties of cobalt oxide nanostructures prepared by potentiodynamic deposition method. Applied Surface Science, 2013, 276, 512-520.	6.1	28
57	Fabrication of a Highly Sensitive Glucose Biosensor Based on Immobilization of Osmium Complex and Glucose Oxidase onto Carbon Nanotubes Modified Electrode. Electroanalysis, 2009, 21, 909-917.	2.9	25
58	Modification of Glassy Carbon Electrode With Singleâ€Walled Carbon Nanotubes and α‣ilicomolybdate: Application to Sb(III) Detection. Electroanalysis, 2008, 20, 2509-2517.	2.9	23
59	Highly sensitive and ultra-selective amperometric nitrite sensor using cyclometalated Rh(III)-complex/CNTs modified glassy carbon electrode integrated with flow injection analysis. Sensors and Actuators B: Chemical, 2016, 233, 107-119.	7.8	22
60	A strategy for visual optical determination of glucose based on a smartphone device using fluorescent boron-doped carbon nanoparticles as a light-up probe. Mikrochimica Acta, 2020, 187, 14.	5.0	22
61	Picomolar Detection of Hydrogen Peroxide at Glassy Carbon Electrode Modified with NAD <sup>+</sup> and Single Walled Carbon Nanotubes. Electroanalysis, 2008, 20, 1760-1768.	2.9	21
62	Highly sensitive and selective amperometric sensors for nanomolar detection of iodate and periodate based on glassy carbon electrode modified with iridium oxide nanoparticles. Analytica Chimica Acta, 2010, 661, 28-34.	5.4	21
63	Highly sensitive amperometric sensor for micromolar detection of trichloroacetic acid based on multiwalled carbon nanotubes and Fe(II)–phtalocyanine modified glassy carbon electrode. Materials Science and Engineering C, 2013, 33, 1720-1726.	7.3	21
64	Dual Amplified Electrochemical Immunosensor for Hepatitis B Virus Surface Antigen Detection Using Hemin/Gâ€Quadruplex Immobilized onto Fe <sub>3</sub> O <sub>4</sub> â€AuNPs or (Heminâ€Aminoâ€rGOâ€ Nanohybrid. Electroanalysis, 2018, 30, 402-414.	Au≱.9	21
65	Synthesis and characterization of novel bithiazolidine derivatives-capped CdTe/CdS quantum dots used as a novel Hg2+ fluorescence sensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 216, 418-423.	3.9	21
66	Photoelectrochemical amperometric sensing of cyanide using a glassy carbon electrode modified with graphene oxide and titanium dioxide nanoparticles. Mikrochimica Acta, 2017, 184, 3581-3590.	5.0	20
67	Synthesis, Spectroscopy and Electrochemistry of Cobalt(III) Schiff Base Complexes. Journal of Chemical Research, 2005, 2005, 190-193.	1.3	19
68	Amperometric detection of ultra trace amounts of Hg(l) at the surface boron doped diamond electrode modified with iridium oxide. Talanta, 2006, 68, 1610-1616.	5.5	19
69	Electrocatalytic Reduction of Chromium(VI) by Thionin: Electrochemical Properties and Mechanistic Study. Electroanalysis, 2006, 18, 1664-1671.	2.9	19
70	Polymer nanocomposite film for dual colorimetric and fluorescent ascorbic acid detection integrated single-cell bioimaging with droplet microfluidic platform. Dyes and Pigments, 2020, 173, 107875.	3.7	19
71	Electrocatalytic reduction of NAD+ at glassy carbon electrode modified with single-walled carbon nanotubes and Ru(III) complexes. Journal of Solid State Electrochemistry, 2009, 13, 485-496.	2.5	18
72	Hemin/G-Quadruplex Horseradish Peroxidase-Mimicking DNAzyme: Principle and Biosensing Application. Advances in Biochemical Engineering/Biotechnology, 2017, 170, 85-106.	1.1	18

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73	Deposition of α–SiΜÎ;12Ο404â`'-[Ru(bipyridine)(terpyridine)Cl]+ multilayer film on single wall carbon nanotube modified glassy carbon electrode: Improvement of the electrochemical properties and chemical stability. Thin Solid Films, 2010, 518, 5304-5310.	1.8	16
74	Direct Enzymatic Glucose/O2 Biofuel Cell based on Poly-Thiophene Carboxylic Acid alongside Gold Nanostructures Substrates Derived through Bipolar Electrochemistry. Scientific Reports, 2018, 8, 15103.	3.3	15
75	Preparation of cobalt nanowires in porous aluminum oxide: Study of the effect of barrier layer. Journal of Materials Research, 2012, 27, 2382-2390.	2.6	14
76	A Novel Immunosensing Method Based on the Capture and Enzymatic Release of Sandwich-Type Covalently Conjugated Thionine–Gold Nanoparticles as a New Fluorescence Label Used for Ultrasensitive Detection of Hepatitis B Virus Surface Antigen. ACS Omega, 2019, 4, 15323-15336.	3.5	12
77	Nanomolar detection of guanine based on a novel cobalt oxide nanostructure-modified glassy carbon electrode. Analytical Methods, 2011, 3, 911.	2.7	9
78	Solid surface fluorescence immunosensor for ultrasensitive detection of hepatitis B virus surface antigen using PAMAM/CdTe@CdS QDs nanoclusters. Methods and Applications in Fluorescence, 2018, 6, 035013.	2.3	9
79	Indirect determination of mercury(II) by using magnetic nanoparticles, CdS quantum dots and mercury(II)-binding aptamers, and quantitation of released CdS by graphite furnaceÂAAS. Mikrochimica Acta, 2020, 187, 91.	5.0	8
80	Unusual synthesis of nanostructured Zn-MOF by bipolar electrochemistry in ionic liquid-based electrolyte: Intrinsic alkaline phosphatase-like activity. Journal of Electroanalytical Chemistry, 2022, 914, 116306.	3.8	8
81	Adsorption of cadmium(II) ions from aqueous solution on exfoliated graphene nanosheets and its determination by flame atomic absorption spectrometry. Canadian Journal of Chemistry, 2014, 92, 62-67.	1.1	7
82	A surface-modified silicon carbide nanoparticles based electrochemical sensor for free interferences determination of caffeine in tea and coffee. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115473.	3.5	7
83	Ultrasensitive fluorescence immunosensor based on mesoporous silica and magnetic nanoparticles: Capture and release strategy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 257, 119749.	3.9	5
84	Nonenzymatic and low potential glucose sensor based on electrodeposited Ru-nanofilm from ionic liquid electrolyte. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114666.	3.5	3
85	Observation of nanodomains and nanostripes in the Langmuir-Blodgett monolayers of Fe3O4 magnetic nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115402.	3.5	2
86	Surface-Modified Colloid CdTe/CdS Quantum Dots by a Biocompatible Thiazolidine Derivative as Promising Platform for Immobilization of Glucose Oxidase: Application to Fluorescence Sensing of Glucose. Journal of Fluorescence, 2021, 31, 1805-1813.	2.5	0
87	Magnetically induced catalytic electrooxidation of As(III) on GC modified Fe@Cu-BTC MOF nanoparticles: Application for determination of As(III). Surfaces and Interfaces, 2022, 30, 101946.	3.0	0