

Qingji Xie

List of Publications by Year in descending order

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245
papers

9,258
citations

41258

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81
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246
all docs

246
docs citations

246
times ranked

11568
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in electrochemical glucose biosensors: a review. RSC Advances, 2013, 3, 4473.	1.7	683
2	Synthesis of Ultrathin Nitrogen-Doped Graphitic Carbon Nanocages as Advanced Electrode Materials for Supercapacitor. ACS Applied Materials & Interfaces, 2013, 5, 2241-2248.	4.0	320
3	Facile Synthesis of Manganese-Oxide-Containing Mesoporous Nitrogen-Doped Carbon for Efficient Oxygen Reduction. Advanced Functional Materials, 2012, 22, 4584-4591.	7.8	306
4	Copper-Based Metal-Organic Framework Nanoparticles with Peroxidase-Like Activity for Sensitive Colorimetric Detection of <i>Staphylococcus aureus</i> . ACS Applied Materials & Interfaces, 2017, 9, 24440-24445.	4.0	238
5	Electrochemical quartz crystal microbalance study on growth and property of the polymer deposit at gold electrodes during oxidation of dopamine in aqueous solutions. Thin Solid Films, 2006, 497, 270-278.	0.8	214
6	One-Pot Preparation of Polymer-Enzyme-Metallic Nanoparticle Composite Films for High-Performance Biosensing of Glucose and Galactose. Advanced Functional Materials, 2009, 19, 1784-1791.	7.8	139
7	Polymeric Bionanocomposite Cast Thin Films with In Situ Laccase-Catalyzed Polymerization of Dopamine for Biosensing and Biofuel Cell Applications. Journal of Physical Chemistry B, 2010, 114, 5016-5024.	1.2	136
8	Design and synthesis of electrode materials with both battery-type and capacitive charge storage. Energy Storage Materials, 2019, 22, 235-255.	9.5	135
9	An electrochemical immunobiosensor for ultrasensitive detection of Escherichia coli O157:H7 using CdS quantum dots-encapsulated metal-organic frameworks as signal-amplifying tags. Biosensors and Bioelectronics, 2019, 126, 493-500.	5.3	127
10	A graphene-platinum nanoparticles-ionic liquid composite catalyst for methanol-tolerant oxygen reduction reaction. Energy and Environmental Science, 2012, 5, 6923.	15.6	126
11	Synthesis and oxygen reduction properties of three-dimensional sulfur-doped graphene networks. Chemical Communications, 2014, 50, 6382.	2.2	126
12	A Study of Depletion Layer Effects on Equivalent Circuit Parameters Using an Electrochemical Quartz Crystal Impedance System. Analytical Chemistry, 1999, 71, 4649-4656.	3.2	116
13	Carbon nanotube-based label-free electrochemical biosensor for sensitive detection of miRNA-24. Biosensors and Bioelectronics, 2014, 54, 158-164.	5.3	113
14	Biofuel cell and phenolic biosensor based on acid-resistant laccase-glutaraldehyde functionalized chitosan-multiwalled carbon nanotubes nanocomposite film. Biosensors and Bioelectronics, 2009, 24, 2225-2231.	5.3	110
15	Scanning Electrochemical Microscopy in Combination with Piezoelectric Quartz Crystal Impedance Analysis for Studying the Growth and Electrochemistry as Well as Microetching of Poly(o-phenylenediamine) Thin Films. Journal of Physical Chemistry B, 2005, 109, 4053-4063.	1.2	105
16	Fluorescent Immunoassay for the Detection of Pathogenic Bacteria at the Single-Cell Level Using Carbon Dots-Encapsulated Breakable Organosilica Nanocapsule as Labels. ACS Applied Materials & Interfaces, 2018, 10, 3441-3448.	4.0	98
17	Electrodeposition of Carbon Nanotubes-Chitosan-Glucose Oxidase Biosensing Composite Films Triggered by Reduction of <i>p</i> -Benzoquinone or H_2O_2 . Journal of Physical Chemistry B, 2007, 111, 11276-11284.	1.2	96
18	Electrodeposition of electroreduced graphene oxide-Au nanoparticles composite film at glassy carbon electrode for anodic stripping voltammetric analysis of trace arsenic(III). Sensors and Actuators B: Chemical, 2013, 188, 894-901.	4.0	95

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19	Sulfur-doped porous carbon nanosheets as an advanced electrode material for supercapacitors. <i>RSC Advances</i> , 2015, 5, 13046-13051.	1.7	95
20	Square wave anodic stripping voltammetric determination of Cd and Pb ions at a Bi/Nafion/thiolated polyaniline/glassy carbon electrode. <i>Electrochemistry Communications</i> , 2012, 15, 34-37.	2.3	92
21	Amperometric biosensor for NADH and ethanol based on electroreduced graphene oxide/polythionine nanocomposite film. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 280-287.	4.0	83
22	Three-Dimensional Graphene Networks as a New Substrate for Immobilization of Laccase and Dopamine and Its Application in Glucose/O ₂ Biofuel Cell. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12808-12814.	4.0	83
23	In vitro study on the individual and synergistic cytotoxicity of adriamycin and selenium nanoparticles against Bel7402 cells with a quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2268-2272.	5.3	81
24	A third-generation hydrogen peroxide biosensor based on horseradish peroxidase immobilized in a tetrathiafulvalene/tetracyanoquinodimethane/multiwalled carbon nanotubes film. <i>Biosensors and Bioelectronics</i> , 2008, 24, 222-227.	5.3	77
25	Electrochemical Conversion of Fe ₃ O ₄ Magnetic Nanoparticles to Electroactive Prussian Blue Analogues for Self-Sacrificial Label Biosensing of Avian Influenza Virus H5N1. <i>Analytical Chemistry</i> , 2017, 89, 12145-12151.	3.2	77
26	Preparation of chitosan/dopamine-multiwalled carbon nanotubes nanocomposite for electrocatalytic oxidation and sensitive electroanalysis of NADH. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 547-554.	4.0	75
27	Exploiting Metal-Organic Coordination Polymers as Highly Efficient Immobilization Matrixes of Enzymes for Sensitive Electrochemical Biosensing. <i>Analytical Chemistry</i> , 2011, 83, 6511-6517.	3.2	71
28	Electrochemical quartz crystal impedance study on the overoxidation of polypyrrole/carbon nanotubes composite film for amperometric detection of dopamine. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2819-2826.	5.3	69
29	Au/Pt and Au/Pt ₃ Ni nanowires as self-supported electrocatalysts with high activity and durability for oxygen reduction. <i>Chemical Communications</i> , 2011, 47, 11624.	2.2	68
30	A novel dual-impedance-analysis EQCM system investigation of bovine serum albumin adsorption on gold and platinum electrode surfaces. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 107-115.	5.0	66
31	Facile fabrication of network film electrodes with ultrathin Au nanowires for nonenzymatic glucose sensing and glucose/O ₂ fuel cell. <i>Biosensors and Bioelectronics</i> , 2014, 52, 105-110.	5.3	66
32	Boosting current generation in microbial fuel cells by an order of magnitude by coating an ionic liquid polymer on carbon anodes. <i>Biosensors and Bioelectronics</i> , 2017, 91, 644-649.	5.3	64
33	Ruthenium Ion-Complexed Carbon Nitride Nanosheets with Peroxidase-like Activity as a Ratiometric Fluorescence Probe for the Detection of Hydrogen Peroxide and Glucose. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29072-29077.	4.0	64
34	Filling Carbon Nanotubes with Prussian Blue Nanoparticles of High Peroxidase-like Catalytic Activity for Colorimetric Chemo- and Biosensing. <i>Chemistry - A European Journal</i> , 2014, 20, 2623-2630.	1.7	63
35	Macroporous graphitic carbon foam decorated with polydopamine as a high-performance anode for microbial fuel cell. <i>Journal of Power Sources</i> , 2017, 363, 27-33.	4.0	62
36	Biocompatible multi-walled carbon nanotube-chitosan/folic acid nanoparticle hybrids as GFP gene delivery materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 224-231.	2.5	61

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37	Differential pulse voltammetric simultaneous determination of ascorbic acid, dopamine and uric acid on a glassy carbon electrode modified with electroreduced graphene oxide and imidazolium groups. <i>Mikrochimica Acta</i> , 2016, 183, 2539-2546.	2.5	60
38	Enhanced Cathodic Preconcentration of As(0) at Au and Pt Electrodes for Anodic Stripping Voltammetry Analysis of As(III) and As(V). <i>Journal of Physical Chemistry C</i> , 2015, 119, 11400-11409.	1.5	58
39	Square wave voltammetric determination of Hg(II) using thiol functionalized chitosan-multiwalled carbon nanotubes nanocomposite film electrode. <i>Mikrochimica Acta</i> , 2010, 169, 367-373.	2.5	57
40	Graphene-like carbon nanosheets as a new electrode material for electrochemical determination of hydroquinone and catechol. <i>Talanta</i> , 2017, 164, 300-306.	2.9	57
41	Differential pulse anodic stripping voltammetric determination of Cd and Pb at a bismuth glassy carbon electrode modified with Nafion, poly(2,5-dimercapto-1,3,4-thiadiazole) and multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2011, 173, 95-102.	2.5	53
42	Few-layer phosphorene: An emerging electrode material for electrochemical energy storage. <i>Applied Materials Today</i> , 2019, 15, 18-33.	2.3	53
43	Simultaneous analysis of dopamine and homovanillic acid by high-performance liquid chromatography with wall-jet/thin-layer electrochemical detection. <i>Analyst</i> , The, 2013, 138, 7246.	1.7	52
44	Characterization of and biomolecule immobilization on the biocompatible multi-walled carbon nanotubes generated by functionalization with polyamidoamine dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 18-25.	2.5	51
45	Immobilization of enzymes at high load/activity by aqueous electrodeposition of enzyme-tethered chitosan for highly sensitive amperometric biosensing. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2644-2650.	5.3	51
46	Sensitive square wave anodic stripping voltammetric determination of Cd ²⁺ and Pb ²⁺ ions at Bi/Nafion/overoxidized 2-mercaptoethanesulfonate-tethered polypyrrole/glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 94-101.	4.0	51
47	Synthesis and photoluminescence properties of a cyan-emitting phosphor Ca ₃ (PO ₄) ₂ :Eu ²⁺ for white light-emitting diodes. <i>Optical Materials</i> , 2015, 39, 173-177.	1.7	51
48	New glucose biosensor based on a poly(o-phenylenediamine)/glucose oxidase-glutaraldehyde/Prussian blue/Au electrode with QCM monitoring of various electrode-surface modifications. <i>Analytica Chimica Acta</i> , 2006, 557, 85-94.	2.6	49
49	Highly sensitive phenolic biosensor based on magnetic polydopamine-laccase-Fe ₃ O ₄ bionanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 46-53.	4.0	49
50	A comparative study on polyaniline degradation by an electrochemical quartz crystal impedance system: electrode and solution effects. <i>Synthetic Metals</i> , 2004, 143, 119-128.	2.1	48
51	Immobilization of Enzymes through One-Pot Chemical Preoxidation and Electropolymerization of Dithiols in Enzyme-Containing Aqueous Suspensions To Develop Biosensors with Improved Performance. <i>Analytical Chemistry</i> , 2008, 80, 5829-5838.	3.2	48
52	Three-dimensional graphene-like carbon frameworks as a new electrode material for electrochemical determination of small biomolecules. <i>Biosensors and Bioelectronics</i> , 2016, 85, 618-624.	5.3	47
53	An reagentless glucose biosensor based on direct electrochemistry of glucose oxidase immobilized on poly(methylene blue) doped silica nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2012, 165, 126-132.	4.0	45
54	Redistribution of Activator Tuning of Photoluminescence by Isovalent and Aliovalent Cation Substitutions in Whitlockite Phosphors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16853-16859.	1.5	45

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55	Anodic stripping voltammetric analysis of trace arsenic(III) enhanced by mild hydrogen-evolution at a bimetallic Au-Pt nanoparticle modified glassy carbon electrode. <i>Electrochemistry Communications</i> , 2015, 59, 28-31.	2.3	44
56	Co-, N-, and S-Tridoped Carbon Derived from Nitrogen- and Sulfur-Enriched Polymer and Cobalt Salt for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13341-13347.	4.0	44
57	An electrochemical quartz crystal impedance study on anti-human immunoglobulin G immobilization in the polymer grown during dopamine oxidation at an Au electrode. <i>Journal of Colloid and Interface Science</i> , 2005, 289, 446-454.	5.0	43
58	A new method for characterizing the growth and properties of polyaniline and poly(aniline-co-o-aminophenol) films with the combination of EQCM and in situ FTIR spectroelectrochemistry. <i>Electrochimica Acta</i> , 2006, 52, 342-352.	2.6	43
59	Simultaneous electroanalysis of isoniazid and uric acid at poly(sulfosalicylic acid)/electroreduced carboxylated graphene modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 167-176.	4.0	43
60	Combined quartz crystal impedance and electrochemical impedance measurements during adsorption of bovine serum albumin onto bare and cysteine- or thiophenol-modified gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1999, 478, 1-8.	1.9	42
61	Square wave anodic stripping voltammetric determination of Cd ²⁺ and Pb ²⁺ at bismuth-film electrode modified with electroreduced graphene oxide-supported thiolated thionine. <i>Talanta</i> , 2014, 122, 285-292.	2.9	42
62	Ultrasensitive electrochemical immunoassay of proteins based on in situ double amplification of gold nanoparticle biolabel signals. <i>Chemical Communications</i> , 2015, 51, 8540-8543.	2.2	42
63	High-performance glucose amperometric biosensor based on magnetic polymeric bionanocomposites. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1277-1282.	5.3	40
64	Chemical/Biochemical Preparation of New Polymeric Bionanocomposites with Enzyme Labels Immobilized at High Load and Activity for High-Performance Electrochemical Immunoassay. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1472-1480.	1.5	40
65	A compartment-less nonenzymatic glucose-air fuel cell with nitrogen-doped mesoporous carbons and Au nanowires as catalysts. <i>Energy and Environmental Science</i> , 2013, 6, 3600.	15.6	40
66	An electrochemical quartz crystal impedance study on cystine precipitation onto an Au electrode surface during cysteine oxidation in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2000, 484, 41-54.	1.9	39
67	Effective immobilization of tyrosinase via enzyme catalytic polymerization of L-DOPA for highly sensitive phenol and atrazine sensing. <i>Talanta</i> , 2016, 160, 125-132.	2.9	39
68	Electrochemical and Spectroelectrochemical Studies on Pyridoxine Hydrochloride Using a Poly(methylene blue) Modified Electrode. <i>Electroanalysis</i> , 2004, 16, 1592-1597.	1.5	38
69	Adsorption of bovine serum albumin and fibrinogen on hydrophilicity-controllable surfaces of polypyrrole doped with dodecyl benzene sulfonate-A combined piezoelectric quartz crystal impedance and electrochemical impedance study. <i>Polymer</i> , 2006, 47, 3372-3381.	1.8	38
70	Experimental Platform to Study Heavy Metal Ion-Enzyme Interactions and Amperometric Inhibitive Assay of Ag ⁺ Based on Solution State and Immobilized Glucose Oxidase. <i>Analytical Chemistry</i> , 2011, 83, 2660-2666.	3.2	38
71	Amperometric sensing of nitrite based on electroactive ferricyanide-poly(diallyldimethylammonium)-alginate composite film. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 375-381.	4.0	38
72	Dual-signal anodic stripping voltammetric determination of trace arsenic(III) at a glassy carbon electrode modified with internal-electrolysis deposited gold nanoparticles. <i>Electrochemistry Communications</i> , 2013, 33, 43-46.	2.3	38

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73	Promoting electrocatalytic nitrogen reduction to ammonia <i>via</i> Fe-boosted nitrogen activation on MnO ₂ surfaces. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13679-13684.	5.2	38
74	Ultrasensitive electrochemical sensing of Hg ²⁺ based on thymine-Hg ²⁺ -thymine interaction and signal amplification of alkaline phosphatase catalyzed silver deposition. <i>Biosensors and Bioelectronics</i> , 2018, 104, 95-101.	5.3	37
75	Electrochemical quartz crystal impedance study on immobilization of glucose oxidase in a polymer grown from dopamine oxidation at an Au electrode for glucose sensing. <i>Electrochimica Acta</i> , 2006, 51, 5478-5486.	2.6	36
76	Study on Glucose Biofuel Cells Using an Electrochemical Noise Device. <i>Electroanalysis</i> , 2008, 20, 1599-1606.	1.5	36
77	Novel polymeric bionanocomposites with catalytic Pt nanoparticles label immobilized for high performance amperometric immunoassay. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1699-1704.	5.3	36
78	High-performance amperometric biosensors and biofuel cell based on chitosan-strengthened cast thin films of chemically synthesized catecholamine polymers with glucose oxidase effectively entrapped. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2311-2316.	5.3	36
79	Preparation of Au-film electrodes in glucose-containing Au-electroplating aqueous bath for high-performance nonenzymatic glucose sensor and glucose/O ₂ fuel cell. <i>Electrochemistry Communications</i> , 2012, 18, 108-111.	2.3	36
80	Horseradish peroxidase-catalyzed polymerization of l-DOPA for mono-/bi-enzyme immobilization and amperometric biosensing of H ₂ O ₂ and uric acid. <i>Talanta</i> , 2016, 149, 117-123.	2.9	36
81	Identifying the origin and contribution of pseudocapacitive sodium ion storage in tungsten disulphide nanosheets for application in sodium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21010-21017.	5.2	36
82	Construction as well as EQCM and SECM characterizations of a novel Nafion/glucose oxidase-glutaraldehyde/poly(thionine)/Au enzyme electrode for glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 148-157.	4.0	35
83	Computational Design of Single Mo Atom Anchored Defective Boron Phosphide Monolayer as a High-performance Electrocatalyst for the Nitrogen Reduction Reaction. <i>Energy and Environmental Materials</i> , 2021, 4, 255-262.	7.3	35
84	Dynamic measurement of the surface stress induced by the attachment and growth of cells on Au electrode with a quartz crystal microbalance. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1603-1609.	5.3	34
85	Novel carboxylation treatment and characterization of multiwalled carbon nanotubes for simultaneous sensitive determination of adenine and guanine in DNA. <i>Mikrochimica Acta</i> , 2010, 169, 33-40.	2.5	34
86	Fabrication of a chitosan/glucose oxidase-poly(anilineboronic acid)-Au nano/Au-plated Au electrode for biosensor and biofuel cell. <i>Biosensors and Bioelectronics</i> , 2012, 31, 357-362.	5.3	33
87	Facile Fabrication of Graphene-Containing Foam as a High-Performance Anode for Microbial Fuel Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 10634-10638.	1.7	33
88	Highly Sensitive Glucose Biosensor Based on One-Pot Biochemical Preoxidation and Electropolymerization of 2,5-Dimercapto-1,3,4-thiadiazole in Glucose Oxidase-Containing Aqueous Suspension. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1332-1340.	1.2	32
89	Determination of catecholamines in urine using aminophenylboronic acid functionalized magnetic nanoparticles extraction followed by high-performance liquid chromatography and electrochemical detection. <i>Journal of Separation Science</i> , 2015, 38, 460-467.	1.3	32
90	NiCo ₂ @CeO ₂ Nanoboxes for Ultrasensitive Electrochemical Immunosensing Based on the Oxygen Evolution Reaction in a Neutral Medium: Application for Interleukin-6 Detection. <i>Analytical Chemistry</i> , 2020, 92, 16267-16273.	3.2	32

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91	An immunosensor for sensitive photoelectrochemical detection of <i>Staphylococcus aureus</i> using ZnS@Ag ₂ S/polydopamine as photoelectric material and Cu ₂ O as peroxidase mimic tag. <i>Talanta</i> , 2020, 212, 120797.	2.9	32
92	A Comparative Study on the Viscoelasticity and Morphology of Polyaniline Films Galvanostatically Grown on Bare and 4-Aminothiophenol-Modified Gold Electrodes Using an Electrochemical Quartz Crystal Impedance System and SEM. <i>Analytical Sciences</i> , 2001, 17, 613-620.	0.8	31
93	Electrochemical Quartz Crystal Microbalance Studies on Enzymatic Specific Activity and Direct Electrochemistry of Immobilized Glucose Oxidase in the Presence of Sodium Dodecyl Benzene Sulfonate and Multiwalled Carbon Nanotubes. <i>Biotechnology Progress</i> , 2008, 24, 262-272.	1.3	31
94	Electropolymerization of preoxidized catecholamines on Prussian blue matrix to immobilize glucose oxidase for sensitive amperometric biosensing. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2726-2729.	5.3	31
95	Horseradish peroxidase-catalyzed synthesis of poly(thiophene-3-boronic acid) biocomposites for mono-/bi-enzyme immobilization and amperometric biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 44, 41-47.	5.3	31
96	ABTS@Multiwalled Carbon Nanotubes Nanocomposite/Bi Film Electrode for Sensitive Determination of Cd and Pb by Differential Pulse Stripping Voltammetry. <i>Electroanalysis</i> , 2009, 21, 2477-2485.	1.5	29
97	One-pot electrodeposition of 3-aminopropyltriethoxysilane@chitosan hybrid gel film to immobilize glucose oxidase for biosensing. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 282-289.	4.0	29
98	Facile Synthesis of Prussian Blue-Filled Multiwalled Carbon Nanotubes Nanocomposites: Exploring Filling/Electrochemistry/Mass-Transfer in Nanochannels and Cooperative Biosensing Mode. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20908-20917.	1.5	29
99	Improving Photovoltaic and Enzymatic Sensing Performance by Coupling a Core@Shell Au Nanorod@TiO ₂ Heterostructure with the Bioinspired DOPA Polymer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9394-9404.	4.0	29
100	In situ monitoring of gold-surface adsorption and acidic denaturation of human serum albumin by an isolation-capacitance-adopted electrochemical quartz crystal impedance system. <i>Analytica Chimica Acta</i> , 2002, 464, 65-77.	2.6	28
101	Synthesis and Characterization of Novel Quinone@Amine Polymer/Carbon Nanotubes Composite for Sensitive Electrocatalytic Detection of NADH. <i>Electroanalysis</i> , 2007, 19, 1815-1821.	1.5	28
102	EQCM and in situ FTIR spectroelectrochemistry study on the electrochemical oxidation of TMB and the effect of large-sized anions. <i>Journal of Electroanalytical Chemistry</i> , 2008, 622, 184-192.	1.9	28
103	A post-labeling strategy based on dye-induced peeling of the aptamer off single-walled carbon nanotubes for electrochemical aptasensing. <i>Chemical Communications</i> , 2011, 47, 2637.	2.2	28
104	Hyaluronic acid-coated magnetic nanoparticles-based selective collection and detection of leukemia cells with quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 9-14.	4.0	28
105	Au nanocluster-embedded chitosan nanocapsules as labels for the ultrasensitive fluorescence immunoassay of <i>Escherichia coli</i> O157:H7. <i>Analyst</i> , 2018, 143, 4067-4073.	1.7	28
106	Degradable Magnetic Nanoplatform with Hydroxide Ions Triggered Photoacoustic, MR Imaging, and Photothermal Conversion for Precise Cancer Theranostic. <i>Nano Letters</i> , 2022, 22, 3228-3235.	4.5	28
107	A simultaneous electrochemical impedance and quartz crystal microbalance study on antihuman immunoglobulin G adsorption and human immunoglobulin G reaction. <i>Journal of Proteomics</i> , 2005, 62, 191-205.	2.4	27
108	Electrochemical Quartz Crystal Microbalance Monitoring of the Cyclic Voltammetric Deposition of Polyaniline. A Laboratory Experiment for Undergraduates. <i>Journal of Chemical Education</i> , 2007, 84, 681.	1.1	27

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109	Electroanalysis of Bisphenol A at a Multiwalled Carbon Nanotubes@Gold Nanoparticles Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2009, 21, 2491-2494.	1.5	27
110	Au-supported Pt@Au mixed atomic monolayer electrocatalyst with ultrahigh specific activity for oxidation of formic acid in acidic solution. <i>Chemical Communications</i> , 2012, 48, 12106.	2.2	27
111	Sandwich-type amperometric immunosensor for human immunoglobulin G using antibody-adsorbed Au/SiO ₂ nanoparticles. <i>Mikrochimica Acta</i> , 2010, 168, 245-251.	2.5	26
112	Amperometric determination of ascorbic acid using multiwalled carbon nanotube-thiolated polyaniline composite modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2013, 709, 19-25.	1.9	26
113	Studies on electrochemical copolymerization of aniline with o-phenylenediamine and degradation of the resultant copolymers via electrochemical quartz crystal microbalance and scanning electrochemical microscope. <i>Synthetic Metals</i> , 2006, 156, 444-453.	2.1	25
114	5-Chloro-7-Iodo-8-quinolinolatomanganese(III) with the Feature of pH-Regulated Molecular Switches as a Highly Efficient Catalyst for Epoxidation of Olefins with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 802-806.	2.1	25
115	Simultaneous analysis of isoniazid and rifampicin by high-performance liquid chromatography with gradient elution and wall-jet/thin-layer electrochemical detection. <i>Analytical Methods</i> , 2014, 6, 1530.	1.3	25
116	Amperometric thrombin aptasensor using a glassy carbon electrode modified with polyaniline and multiwalled carbon nanotubes tethered with a thiolated aptamer. <i>Mikrochimica Acta</i> , 2017, 184, 1677-1682.	2.5	25
117	Boosting Capacitive Sodium-Ion Storage in Electrochemically Exfoliated Graphite for Sodium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52635-52642.	4.0	25
118	Electrochemical determination of heparin using methylene blue probe and study on competition of Ba ²⁺ with methylene blue for binding heparin. <i>Talanta</i> , 2007, 71, 827-832.	2.9	24
119	Enzymatically biocatalytic precipitates amplified antibody-antigen interaction for super low level immunoassay: An investigation combined surface plasmon resonance with electrochemistry. <i>Biosensors and Bioelectronics</i> , 2007, 23, 668-674.	5.3	24
120	Magnetic immobilization and electrochemical detection of leukemia K562 cells. <i>Electrochemistry Communications</i> , 2009, 11, 141-144.	2.3	24
121	Immobilization of Enzymes by Electrochemical and Chemical Oxidative Polymerization of L-DOPA to Fabricate Amperometric Biosensors and Biofuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10843-10852.	4.0	24
122	Determination of guanine and adenine by high-performance liquid chromatography with a self-fabricated wall-jet/thin-layer electrochemical detector at a glassy carbon electrode. <i>Talanta</i> , 2015, 134, 354-359.	2.9	24
123	Preparation of thiolated polymeric nanocomposite for sensitive electroanalysis of dopamine. <i>Biosensors and Bioelectronics</i> , 2012, 36, 154-160.	5.3	23
124	Tyrosinase-catalyzed polymerization of L-DOPA (versus L-tyrosine and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 biosensing. <i>RSC Advances</i> , 2016, 6, 17016-17022.	1.7	23
125	Cobalt-doped tungsten trioxide nanorods decorated with Au nanoparticles for ultrasensitive photoelectrochemical detection of aflatoxin B1 based on aptamer structure switch. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129528.	4.0	23
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