

# Qingji Xie

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1370169/qingji-xie-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239  
papers

7,513  
citations

43  
h-index

72  
g-index

246  
ext. papers

8,314  
ext. citations

6.8  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
239	Recent advances in electrochemical glucose biosensors: a review. <i>RSC Advances</i> , <b>2013</b> , 3, 4473	3.7	557
238	Synthesis of ultrathin nitrogen-doped graphitic carbon nanocages as advanced electrode materials for supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2241-8	9.5	282
237	Facile Synthesis of Manganese-Oxide-Containing Mesoporous Nitrogen-Doped Carbon for Efficient Oxygen Reduction. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4584-4591	15.6	278
236	Electrochemical quartz crystal microbalance study on growth and property of the polymer deposit at gold electrodes during oxidation of dopamine in aqueous solutions. <i>Thin Solid Films</i> , <b>2006</b> , 497, 270-278	2.2	185
235	Copper-Based Metal-Organic Framework Nanoparticles with Peroxidase-Like Activity for Sensitive Colorimetric Detection of Staphylococcus aureus. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24440-24445	9.5	155
234	One-Pot Preparation of Polymer-Enzyme-Metallic Nanoparticle Composite Films for High-Performance Biosensing of Glucose and Galactose. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1784-1791	15.6	131
233	Polymeric bionanocomposite cast thin films with in situ laccase-catalyzed polymerization of dopamine for biosensing and biofuel cell applications. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5016-24	3.4	120
232	Synthesis and oxygen reduction properties of three-dimensional sulfur-doped graphene networks. <i>Chemical Communications</i> , <b>2014</b> , 50, 6382-5	5.8	115
231	A graphene-platinum nanoparticles-in liquid composite catalyst for methanol-tolerant oxygen reduction reaction. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6923	35.4	112
230	A Study of Depletion Layer Effects on Equivalent Circuit Parameters Using an Electrochemical Quartz Crystal Impedance System. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4649-4656	7.8	102
229	Biofuel cell and phenolic biosensor based on acid-resistant laccase-glutaraldehyde functionalized chitosan-multiwalled carbon nanotubes nanocomposite film. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2225-31	11.8	100
228	Carbon nanotube-based label-free electrochemical biosensor for sensitive detection of miRNA-24. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 158-64	11.8	99
227	Electrodeposition of carbon nanotubes-chitosan-glucose oxidase biosensing composite films triggered by reduction of p-benzoquinone or H <sub>2</sub> O <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 11276-84	3.4	89
226	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. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 4053-63	3.4	89
225	Design and synthesis of electrode materials with both battery-type and capacitive charge storage. <i>Energy Storage Materials</i> , <b>2019</b> , 22, 235-255	19.4	83
224	Square wave anodic stripping voltammetric determination of Cd and Pb ions at a Bi/Nafion/thiolated polyaniline/glassy carbon electrode. <i>Electrochemistry Communications</i> , <b>2012</b> , 15, 34-37	5.1	78
223	Sulfur-doped porous carbon nanosheets as an advanced electrode material for supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 13046-13051	3.7	78

222	Three-dimensional graphene networks as a new substrate for immobilization of laccase and dopamine and its application in glucose/O <sub>2</sub> biofuel cell. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12808-14	9.5	77
221	Electrodeposition of electroreduced graphene oxide-Au nanoparticles composite film at glassy carbon electrode for anodic stripping voltammetric analysis of trace arsenic(III). <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 188, 894-901	8.5	77
220	An electrochemical immunobiosensor for ultrasensitive detection of Escherichia coli O157:H7 using CdS quantum dots-encapsulated metal-organic frameworks as signal-amplifying tags. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 126, 493-500	11.8	77
219	A third-generation hydrogen peroxide biosensor based on horseradish peroxidase immobilized in a tetrathiafulvalene-tetracyanoquinodimethane/multiwalled carbon nanotubes film. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 222-7	11.8	73
218	Fluorescent Immunoassay for the Detection of Pathogenic Bacteria at the Single-Cell Level Using Carbon Dots-Encapsulated Breakable Organosilica Nanocapsule as Labels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3441-3448	9.5	69
217	Exploiting metal-organic coordination polymers as highly efficient immobilization matrixes of enzymes for sensitive electrochemical biosensing. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 6511-7	7.8	67
216	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> , <b>2009</b> , 24, 2268-72	11.8	67
215	Amperometric biosensor for NADH and ethanol based on electroreduced graphene oxide-polythionine nanocomposite film. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 181, 280-287	8.5	66
214	Preparation of chitosan-dopamine-multiwalled carbon nanotubes nanocomposite for electrocatalytic oxidation and sensitive electroanalysis of NADH. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 137, 547-554	8.5	66
213	Au/Pt and Au/Pt <sub>3</sub> Ni nanowires as self-supported electrocatalysts with high activity and durability for oxygen reduction. <i>Chemical Communications</i> , <b>2011</b> , 47, 11624-6	5.8	63
212	Electrochemical quartz crystal impedance study on the overoxidation of polypyrrole-carbon nanotubes composite film for amperometric detection of dopamine. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2819-26	11.8	61
211	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> , <b>2003</b> , 262, 107-15	9.3	61
210	Facile fabrication of network film electrodes with ultrathin Au nanowires for nonenzymatic glucose sensing and glucose/O <sub>2</sub> fuel cell. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 52, 105-10	11.8	56
209	Filling carbon nanotubes with Prussian blue nanoparticles of high peroxidase-like catalytic activity for colorimetric chemo- and biosensing. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 2623-30	4.8	56
208	Electrochemical Conversion of FeO Magnetic Nanoparticles to Electroactive Prussian Blue Analogues for Self-Sacrificial Label Biosensing of Avian Influenza Virus H5N1. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12145-12151	7.8	52
207	Square wave voltammetric determination of Hg(II) using thiol functionalized chitosan-multiwalled carbon nanotubes nanocomposite film electrode. <i>Mikrochimica Acta</i> , <b>2010</b> , 169, 367-373	5.8	51
206	Biocompatible multi-walled carbon nanotube-chitosan-folic acid nanoparticle hybrids as GFP gene delivery materials. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 111, 224-31	6	50
205	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> , <b>2016</b> , 183, 2539-2546	5.8	48

204	Immobilization of enzymes at high load/activity by aqueous electrodeposition of enzyme-tethered chitosan for highly sensitive amperometric biosensing. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 2644-50	11.8	47
203	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> , <b>2006</b> , 557, 85-94	6.6	47
202	A comparative study on polyaniline degradation by an electrochemical quartz crystal impedance system: electrode and solution effects. <i>Synthetic Metals</i> , <b>2004</b> , 143, 119-128	3.6	47
201	Graphene-like carbon nanosheets as a new electrode material for electrochemical determination of hydroquinone and catechol. <i>Talanta</i> , <b>2017</b> , 164, 300-306	6.2	46
200	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> , <b>2010</b> , 80, 18-25	6	46
199	Simultaneous analysis of dopamine and homovanillic acid by high-performance liquid chromatography with wall-jet/thin-layer electrochemical detection. <i>Analyst, The</i> , <b>2013</b> , 138, 7246-53	5	45
198	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> , <b>2008</b> , 80, 5829-38	7.8	45
197	Synthesis and photoluminescence properties of a cyan-emitting phosphor Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> :Eu <sup>2+</sup> for white light-emitting diodes. <i>Optical Materials</i> , <b>2015</b> , 39, 173-177	3.3	44
196	Redistribution of Activator Tuning of Photoluminescence by Isovalent and Aliovalent Cation Substitutions in Whitlockite Phosphors. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 16853-16859	3.8	43
195	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 &amp; Interfaces</i> , <b>2019</b> , 11, 29072-29077	9.5	43
194	Highly sensitive phenolic biosensor based on magnetic polydopamine-laccase-Fe <sub>3</sub> O <sub>4</sub> bionanocomposite. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 168, 46-53	8.5	43
193	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> , <b>2011</b> , 173, 95-102	5.8	43
192	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> , <b>2005</b> , 289, 446-54	9.3	42
191	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> , <b>2015</b> , 119, 11400-11409	3.8	41
190	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> , <b>2012</b> , 165, 126-132	8.5	41
189	Macroporous graphitic carbon foam decorated with polydopamine as a high-performance anode for microbial fuel cell. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 27-33	8.9	41
188	Ultrasensitive electrochemical immunoassay of proteins based on in situ duple amplification of gold nanoparticle biolabel signals. <i>Chemical Communications</i> , <b>2015</b> , 51, 8540-3	5.8	40
187	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> , <b>1999</b> , 478, 1-8	4.1	40

186	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> , <b>2017</b> , 91, 644-649	11.8	39
185	Sensitive square wave anodic stripping voltammetric determination of Cd <sup>2+</sup> and Pb <sup>2+</sup> ions at Bi/Nafion/overoxidized 2-mercaptoethanesulfonate-tethered polypyrrole/glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 191, 94-101	8.5	39
184	Three-dimensional graphene-like carbon frameworks as a new electrode material for electrochemical determination of small biomolecules. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 85, 618-624	11.8	39
183	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> , <b>2006</b> , 52, 342-352	6.7	38
182	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> , <b>2000</b> , 484, 41-54	4.1	37
181	Co-, N-, and S-Tridoped Carbon Derived from Nitrogen- and Sulfur-Enriched Polymer and Cobalt Salt for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13341-7	9.5	37
180	Anodic stripping voltammetric analysis of trace arsenic(III) enhanced by mild hydrogen-evolution at a bimetallic AuPt nanoparticle modified glassy carbon electrode. <i>Electrochemistry Communications</i> , <b>2015</b> , 59, 28-31	5.1	36
179	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> , <b>2015</b> , 207, 167-176	8.5	36
178	A compartment-less nonenzymatic glucose-air fuel cell with nitrogen-doped mesoporous carbons and Au nanowires as catalysts. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 3600	35.4	36
177	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> , <b>2010</b> , 114, 1472-1480	3.8	36
176	Few-layer phosphorene: An emerging electrode material for electrochemical energy storage. <i>Applied Materials Today</i> , <b>2019</b> , 15, 18-33	6.6	36
175	Square wave anodic stripping voltammetric determination of Cd <sup>2+</sup> and Pb <sup>2+</sup> at bismuth-film electrode modified with electroreduced graphene oxide-supported thiolated thionine. <i>Talanta</i> , <b>2014</b> , 122, 285-92	6.2	35
174	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> , <b>2006</b> , 51, 5478-5486	6.7	35
173	Amperometric sensing of nitrite based on electroactive ferricyanide-poly(diallyldimethylammonium)-alginate composite film. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 181, 375-381	8.5	34
172	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> , <b>2013</b> , 33, 43-46	5.1	34
171	Experimental platform to study heavy metal ion-enzyme interactions and amperometric inhibitive assay of Ag <sup>+</sup> based on solution state and immobilized glucose oxidase. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 2660-6	7.8	34
170	Novel polymeric bionanocomposites with catalytic Pt nanoparticles label immobilized for high performance amperometric immunoassay. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1699-704	11.8	34
169	Study on Glucose Biofuel Cells Using an Electrochemical Noise Device. <i>Electroanalysis</i> , <b>2008</b> , 20, 1599-1606		34

168	Horseradish peroxidase-catalyzed polymerization of L-DOPA for mono-/bi-enzyme immobilization and amperometric biosensing of H <sub>2</sub> O <sub>2</sub> and uric acid. <i>Talanta</i> , <b>2016</b> , 149, 117-123	6.2	33
167	High-performance glucose amperometric biosensor based on magnetic polymeric bionanocomposites. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1277-82	11.8	33
166	Adsorption of bovine serum albumin and fibrinogen on hydrophilicity-controllable surfaces of polypyrrole doped with dodecyl benzene sulfonate combined piezoelectric quartz crystal impedance and electrochemical impedance study. <i>Polymer</i> , <b>2006</b> , 47, 3372-3381	3.9	33
165	Novel carboxylation treatment and characterization of multiwalled carbon nanotubes for simultaneous sensitive determination of adenine and guanine in DNA. <i>Mikrochimica Acta</i> , <b>2010</b> , 169, 33-40	5.8	32
164	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> , <b>2007</b> , 122, 148-157	8.5	32
163	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> , <b>2018</b> , 6, 21010-21017	13	32
162	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> , <b>2012</b> , 31, 357-62	11.8	31
161	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> , <b>2008</b> , 24, 262-72	2.8	31
160	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> , <b>2015</b> , 38, 460-7	3.4	30
159	Horseradish peroxidase-catalyzed synthesis of poly(thiophene-3-boronic acid) biocomposites for mono-/bi-enzyme immobilization and amperometric biosensing. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 44, 41-7	11.8	30
158	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> , <b>2009</b> , 24, 1603-9	11.8	30
157	Effective immobilization of tyrosinase via enzyme catalytic polymerization of L-DOPA for highly sensitive phenol and atrazine sensing. <i>Talanta</i> , <b>2016</b> , 160, 125-132	6.2	29
156	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> , <b>2011</b> , 26, 2311-6	11.8	29
155	Electrochemical and Spectroelectrochemical Studies on Pyridoxine Hydrochloride Using a Poly(methylene blue) Modified Electrode. <i>Electroanalysis</i> , <b>2004</b> , 16, 1592-1597	3	29
154	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> , <b>2001</b> , 17, 613-20	1.7	29
153	Preparation of Au-film electrodes in glucose-containing Au-electroplating aqueous bath for high-performance nonenzymatic glucose sensor and glucose/O <sub>2</sub> fuel cell. <i>Electrochemistry Communications</i> , <b>2012</b> , 18, 108-111	5.1	28
152	Facile Fabrication of Graphene-Containing Foam as a High-Performance Anode for Microbial Fuel Cells. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10634-8	4.8	28
151	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> , <b>2009</b> , 113, 1332-40	3.4	28

150	Ultrasensitive electrochemical sensing of Hg based on thymine-Hg-thymine interaction and signal amplification of alkaline phosphatase catalyzed silver deposition. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 104, 95-101	11.8	27
149	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> , <b>2012</b> , 116, 20908-20917	3.8	27
148	Synthesis and Characterization of Novel Quinone-Amine Polymer/Carbon Nanotubes Composite for Sensitive Electrocatalytic Detection of NADH. <i>Electroanalysis</i> , <b>2007</b> , 19, 1815-1821	3	27
147	A simultaneous electrochemical impedance and quartz crystal microbalance study on antihuman immunoglobulin G adsorption and human immunoglobulin G reaction. <i>Journal of Proteomics</i> , <b>2005</b> , 62, 191-205		27
146	One-pot electrodeposition of 3-aminopropyltriethoxysilane-chitosan hybrid gel film to immobilize glucose oxidase for biosensing. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 157, 282-289	8.5	26
145	Electrochemical Quartz Crystal Microbalance Monitoring of the Cyclic Voltammetric Deposition of Polyaniline. A Laboratory Experiment for Undergraduates. <i>Journal of Chemical Education</i> , <b>2007</b> , 84, 681	2.4	26
144	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> , <b>2002</b> , 464, 65-77	6.6	26
143	Electropolymerization of preoxidized catecholamines on Prussian blue matrix to immobilize glucose oxidase for sensitive amperometric biosensing. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2726-9	11.8	25
142	A post-labeling strategy based on dye-induced peeling of the aptamer off single-walled carbon nanotubes for electrochemical aptasensing. <i>Chemical Communications</i> , <b>2011</b> , 47, 2637-9	5.8	24
141	Sandwich-type amperometric immunosensor for human immunoglobulin G using antibody-adsorbed Au/SiO <sub>2</sub> nanoparticles. <i>Mikrochimica Acta</i> , <b>2010</b> , 168, 245-251	5.8	24
140	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> , <b>2008</b> , 350, 802-806	5.6	24
139	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> , <b>2007</b> , 23, 668-74	11.8	23
138	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> , <b>2008</b> , 622, 184-192	4.1	23
137	Amperometric determination of ascorbic acid using multiwalled carbon nanotube-thiolated polyaniline composite modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2013</b> , 709, 19-25	4.1	22
136	Preparation of thiolated polymeric nanocomposite for sensitive electroanalysis of dopamine. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 36, 154-60	11.8	22
135	Magnetic immobilization and electrochemical detection of leukemia K562 cells. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 141-144	5.1	22
134	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> , <b>2006</b> , 156, 444-453	3.6	22
133	Promoting electrocatalytic nitrogen reduction to ammonia via Fe-boosted nitrogen activation on MnO <sub>2</sub> surfaces. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13679-13684	13	21

132	Au-supported Pt-Au mixed atomic monolayer electrocatalyst with ultrahigh specific activity for oxidation of formic acid in acidic solution. <i>Chemical Communications</i> , <b>2012</b> , 48, 12106-8	5.8	21
131	Hyaluronic acid-coated magnetic nanoparticles-based selective collection and detection of leukemia cells with quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 223, 9-14	8.5	20
130	Immobilization of Enzymes by Electrochemical and Chemical Oxidative Polymerization of L-DOPA to Fabricate Amperometric Biosensors and Biofuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10843-52	9.5	20
129	Electrochemical quartz crystal microbalance study of covalent tethering of carboxylated thiol to polyaniline for electrocatalyzed oxidation of ascorbic acid in neutral aqueous solution. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 9050-61	3.6	20
128	Electrochemical determination of heparin using methylene blue probe and study on competition of Ba <sup>2+</sup> with methylene blue for binding heparin. <i>Talanta</i> , <b>2007</b> , 71, 827-32	6.2	20
127	Simultaneous EQCM and diffuse reflectance UV-visible spectroelectrochemical measurements: poly(aniline-co-o-anthranilic acid) growth and property characterization. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 274, 150-8	9.3	20
126	Improving Photovoltaic and Enzymatic Sensing Performance by Coupling a Core-Shell Au Nanorod@TiO Heterostructure with the Bioinspired l-DOPA Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9394-9404	9.5	20
125	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> , <b>2015</b> , 134, 354-359	6.2	19
124	Au nanocluster-embedded chitosan nanocapsules as labels for the ultrasensitive fluorescence immunoassay of Escherichia coli O157:H7. <i>Analyst, The</i> , <b>2018</b> , 143, 4067-4073	5	19
123	Amperometric enzyme electrodes of glucose and lactate based on poly(diallyldimethylammonium)-alginate-metal ion-enzyme biocomposites. <i>Analytica Chimica Acta</i> , <b>2012</b> , 720, 49-56	6.6	19
122	Magnetically enhanced cytotoxicity of paramagnetic selenium-ferroferic oxide nanocomposites on human osteoblast-like MG-63 cells. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1116-21	11.8	19
121	Simultaneous UV-visible spectroelectrochemical and quartz crystal microgravimetric measurements during the growth of poly(1-naphthylamine) film. <i>Journal of Electroanalytical Chemistry</i> , <b>1995</b> , 389, 85-90	4.1	19
120	Amperometric thrombin aptasensor using a glassy carbon electrode modified with polyaniline and multiwalled carbon nanotubes tethered with a thiolated aptamer. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1677-1682	5.8	18
119	Step-by-step electrodeposition of a high-performance Prussian blue-gold nanocomposite for H <sub>2</sub> O <sub>2</sub> sensing and glucose biosensing. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 778, 66-73	4.1	18
118	Ultrasensitive Immunoassay of Proteins Based on Gold Label/Silver Staining, Galvanic Replacement Reaction Enlargement, and in Situ Microliter-Droplet Anodic Stripping Voltammetry. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 2855-2865	3.8	18
117	One-pot preparation of uricase/poly(thiophene-3-boronic acid)/Pt nano composites for high-performance amperometric biosensing of uric acid. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 177, 116-123	8.5	18
116	Novel amperometric aptasensor based on analyte-induced suppression of enzyme catalysis in polymeric bionanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 934-9	9.5	18
115	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> , <b>2021</b> , 4, 255-262	13	18



114	An amperometric enzyme electrode and its biofuel cell based on a glucose oxidase-poly(3-anilineboronic acid)-Pd nanoparticles bionanocomposite for glucose biosensing. <i>Talanta</i> , <b>2015</b> , 138, 100-107	6.2	17
113	Square wave anodic stripping voltammetric determination of lead(II) using a glassy carbon electrode modified with a lead ionophore and multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , <b>2012</b> , 176, 81-89	5.8	17
112	A dynamic study on reversal of multidrug resistance by ginsenoside Rh <sub>1</sub> n adriamycin-resistant human breast cancer MCF-7 cells. <i>Talanta</i> , <b>2012</b> , 88, 345-51	6.2	17
111	Real-time monitoring of the cell agglutination process with a quartz crystal microbalance. <i>Analytical Biochemistry</i> , <b>2008</b> , 383, 130-6	3.1	17
110	An immunosensor for sensitive photoelectrochemical detection of Staphylococcus aureus using ZnS-AgS/polydopamine as photoelectric material and CuO as peroxidase mimic tag. <i>Talanta</i> , <b>2020</b> , 212, 120797	6.2	16
109	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> , <b>2014</b> , 6, 1530	3.2	16
108	Rapid electrodeposition of a gold-Prussian blue nanocomposite with ultrahigh electroactivity for dual-potential amperometric biosensing of uric acid. <i>Analyst, The</i> , <b>2014</b> , 139, 2904-11	5	16
107	Thiol-ene chemistry guided preparation of thiolated polymeric nanocomposite for anodic stripping voltammetric analysis of Cd <sup>2+</sup> and Pb <sup>2+</sup> . <i>Analyst, The</i> , <b>2013</b> , 138, 1180-6	5	16
106	The preparation and characterization of poly(o-phenylenediamine)/gold nanoparticles interface for immunoassay by surface plasmon resonance and electrochemistry. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2008</b> , 63, 254-61	6	16
105	In situ enzymatic generation of gold for ultrasensitive amperometric sandwich immunoassay of procalcitonin. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 422-428	11.8	16
104	Effective covalent immobilization of quinone and aptamer onto a gold electrode via thiol addition for sensitive and selective protein biosensing. <i>Talanta</i> , <b>2017</b> , 164, 244-248	6.2	15
103	Photoelectrochemical aptasensing of thrombin based on multilayered gold nanoparticle/graphene-TiO <sub>2</sub> and enzyme functionalized graphene oxide nanocomposites. <i>Electrochimica Acta</i> , <b>2017</b> , 249, 243-252	6.7	15
102	Three-dimensional activated graphene network-sulfonate-terminated polymer nanocomposite as a new electrode material for the sensitive determination of dopamine and heavy metal ions. <i>Analyst, The</i> , <b>2015</b> , 140, 1647-54	5	15
101	Electrocatalytic oxidation and sensitive determination of L-cysteine at a poly(aminoquinone)-carbon nanotubes hybrid film modified glassy carbon electrode. <i>Mikrochimica Acta</i> , <b>2008</b> , 162, 219-225	5.8	15
100	Monitoring and estimation of the kinetics parameters in the binding process of tannic acid to bovine serum albumin with electrochemical quartz crystal impedance system. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 4087-94	5.7	15
99	Monitoring of the interaction of tannin with bovine serum albumin by electrochemical quartz-crystal impedance system and fluorescence spectrophotometry. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 105, 454-463	8.5	15
98	One-pot electrodeposition of a composite film of glucose oxidase, imidazolium alkoxysilane and chitosan on a reduced graphene oxide/Pt nanoparticle/Au electrode for biosensing. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 781, 296-303	4.1	15
97	Facile electrochemical preparation of a composite film of ruthenium dioxide and carboxylated graphene for a high performance supercapacitor. <i>RSC Advances</i> , <b>2016</b> , 6, 33666-33675	3.7	15

96	Selective staining of CdS on ZnO biolabel for ultrasensitive sandwich-type amperometric immunoassay of human heart-type fatty-acid-binding protein and immunoglobulin G. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 321-327	11.8	14
95	Simultaneous impedance measurements of two one-face sealed resonating piezoelectric quartz crystals for in situ monitoring of electrochemical processes and solution properties. <i>Analytica Chimica Acta</i> , <b>2005</b> , 533, 213-224	6.6	14
94	Tyrosinase-catalyzed polymerization of L-DOPA (versus L-tyrosine and dopamine) to generate melanin-like biomaterials for immobilization of enzymes and amperometric biosensing. <i>RSC Advances</i> , <b>2016</b> , 6, 17016-17022	3.7	13
93	High-Performance Amperometric Sensors Using Catalytic Platinum Nanoparticles-Thionine-Multiwalled Carbon Nanotubes Nanocomposite. <i>Electroanalysis</i> , <b>2010</b> , 22, 2856-2861	3.2	13
92	Electrochemical piezoelectric quartz crystal impedance study on the interaction between concanavalin A and glycogen at Au electrodes. <i>Bioelectrochemistry</i> , <b>2007</b> , 70, 348-55	5.6	13
91	An Amperometric Hydrogen Peroxide Biosensor Based on a Hemoglobin-Immobilized Dopamine-Oxidation Polymer/Prussian Blue/Au Electrode. <i>Electroanalysis</i> , <b>2006</b> , 18, 2210-2217	3	13
90	Simultaneous EQCM and fluorescence detection of adsorption/desorption and oxidation for pyridoxol in aqueous KOH on a gold electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2004</b> , 568, 343-351	4.1	13
89	Boosting Capacitive Sodium-Ion Storage in Electrochemically Exfoliated Graphite for Sodium-Ion Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 52635-52642	9.5	13
88	Dynamic gas bubble template electrodeposition mechanisms and amperometric glucose sensing performance of three kinds of three-dimensional honeycomb-like porous nano-golds. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 296, 126679	8.5	12
87	Oxidative polymerization of 5-hydroxytryptamine to physically and chemically immobilize glucose oxidase for electrochemical biosensing. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1013, 26-35	6.6	12
86	In situ microliter-droplet anodic stripping voltammetry of copper stained on the gold label after galvanic replacement reaction enlargement for ultrasensitive immunoassay of proteins. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 914-21	11.8	12
85	Synthesis, crystal structure and luminescence of a near ultraviolet-green to red spectral converter BaY <sub>2</sub> S <sub>4</sub> :Eu <sup>2+</sup> , Er <sup>3+</sup> . <i>RSC Advances</i> , <b>2013</b> , 3, 16781	3.7	12
84	1-Butyl-3-Methylimidazolium Tetrafluoroborate Film as a Highly Selective Sensing Material for Non-Invasive Detection of Acetone Using a Quartz Crystal Microbalance. <i>Sensors</i> , <b>2017</b> , 17,	3.8	12
83	An amperometric biosensor and a biofuel cell of uric acid based on a chitosan/uricase/poly(furan-3-boronic acid)Pd nanoparticles/plated Pd/multiwalled carbon nanotubes/Au electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2015</b> , 739, 187-196	4.1	12
82	Bio-Inspired Preparation of Fibrin-Boned Bionanocomposites of Biomacromolecules and Nanomaterials for Biosensing. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5011-5018	15.6	12
81	Electrosynthesized poly(1,6-hexanedithiol) as a new immobilization matrix for Au-nanoparticles-enhanced piezoelectric immunosensing. <i>Journal of Electroanalytical Chemistry</i> , <b>2007</b> , 603, 96-106	4.1	12
80	Detection and analysis of Bacillus subtilis growth with piezoelectric quartz crystal impedance based on starch hydrolysis. <i>Analytical Biochemistry</i> , <b>2000</b> , 285, 50-7	3.1	12
79	A new technique using a piezoelectric quartz crystal with one separated electrode as an optically-transparent electrode in absorption spectroelectrochemistry. <i>Electrochimica Acta</i> , <b>1994</b> , 39, 727-730	6.7	12

78	Gold nanoparticles decorated three-dimensional porous graphitic carbon nitrides for sensitive anodic stripping voltammetric analysis of trace arsenic(III). <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153723	5.7	12
77	Preparation and Luminescence Properties of Eu <sup>2+</sup> and Mn <sup>2+</sup> Coactivated Tricalcium Phosphate Phosphors. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3631-3635	3.8	11
76	Highly sensitive and surface-renewable electrochemical quartz crystal microbalance assays of heparin and chondroitin sulfate based on their effects on the electrodeposition of neutral red. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1771-6	11.8	11
75	An EQCM study on the interaction of heparin with the charge-transfer complex generated during o-tolidine electrooxidation: a biosensing mode with a dynamically renewed surface. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 348-54	11.8	11
74	Electrochemical surface plasmon resonance studies on the deposition of the charge-transfer complex from electrooxidation of o-tolidine and effects of dermatan sulfate. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 1235-1237	5.1	11
73	A piezoelectric quartz crystal impedance study on Cu(2+)-induced precipitation of bovine serum albumin in aqueous solution. <i>Journal of Proteomics</i> , <b>2001</b> , 47, 209-19		11
72	A new technique of absorption spectroelectrochemistry at grazing incidence in combination with piezoelectric quartz crystal detection: electrodeposition and stripping process. <i>Electrochimica Acta</i> , <b>1993</b> , 38, 2277-2280	6.7	11
71	Ultrasensitive immunoassay of proteins based on in-situ enzymatic formation of quantum dots and microliter-droplet anodic stripping voltammetry. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 811, 121-127	14.7	10
70	Electrochemical quartz crystal impedance study on the electrodeposition of LiOH onto a gold electrode in acetonitrile containing LiClO <sub>4</sub> BH <sub>2</sub> O and its application in preparing a Pt-plated porous polypyrrole thin film for the catalytic electrooxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , <b>2006</b> , 591, 74-84	4.1	10
69	Theory and application of potential-step transmission chronoabsorptometry of long-pathlength spectroelectrochemical cells: single reversible electrode reaction. <i>Analytical Chemistry</i> , <b>1993</b> , 65, 1888-1892	7.8	10
68	NiCoO@CeO Nanoboxes for Ultrasensitive Electrochemical Immunosensing Based on the Oxygen Evolution Reaction in a Neutral Medium: Application for Interleukin-6 Detection. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 16267-16273	7.8	10
67	Poly(noradrenalin) based bi-enzyme biosensor for ultrasensitive multi-analyte determination. <i>Talanta</i> , <b>2019</b> , 194, 343-349	6.2	10
66	Study on the bioelectrochemistry of a horseradish peroxidase-gold nanoclusters bionanocomposite. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 792, 39-45	4.1	9
65	Ultrasensitive immunoassay of Staphylococcus aureus based on colorimetric and fluorescent responses of 4-chloro-7-nitrobenzo-2-oxa-1,3-diazole to l-cysteine. <i>Talanta</i> , <b>2019</b> , 202, 244-250	6.2	9
64	Preparation of a porous Au electrode with a sacrificed Prussian blue analogue template for anodic stripping voltammetric analysis of trace arsenic(III). <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 603-611	8.5	9
63	Integration of a miniature quartz crystal microbalance with a microfluidic chip for amyloid beta-A $\beta$ 42 quantitation. <i>Sensors</i> , <b>2015</b> , 15, 25746-60	3.8	9
62	Preparation of Pt/multiwalled carbon nanotubes modified Au electrodes via Pt/Cu co-electrodeposition/Cu stripping protocol for high-performance electrocatalytic oxidation of methanol. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 118, 371-378	4.4	9
61	ABTS-Multiwalled Carbon Nanotubes Nanocomposite/Bi Film Electrode for Sensitive Determination of Cd and Pb by Differential Pulse Stripping Voltammetry. <i>Electroanalysis</i> , <b>2009</b> , 21, NA-NA	3	9

60	Synthesis and properties of poly(urethane-imide) diacid/epoxy composites cured with an aziridine system. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2628-2637	2.9	9
59	In Situ Monitoring of Generation and Precipitation of Ferric Hydroxide Sol with a Piezoelectric Quartz Crystal Impedance Analyzer. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 236, 282-289	9.3	9
58	Evaluation of electromechanical coupling factor for a piezoelectric quartz crystal in liquid phase. <i>Analytica Chimica Acta</i> , <b>2000</b> , 419, 251-254	6.6	9
57	Anodic stripping voltammetry analysis of mercury(II) on a pyridine-Au/pyridine/glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 317, 128202	8.5	8
56	CdS Quantum-Dots-Decorated VO Nanosheets as Chemically Etchable Active Materials for Sensitive Photoelectrochemical Immunoassay of Carcinoembryonic Antigen. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 29066-29073	9.5	8
55	Quartz crystal microbalance monitoring of intervention of doxorubicin-loaded core-shell magnetic silica nanospheres on human breast cancer cells (MCF-7). <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 173, 433-440	8.5	8
54	35 MHz quartz crystal microbalance and surface plasmon resonance studies on the binding of angiotensin converting enzyme with lisinopril. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3240-5	11.8	8
53	Electrodeposition of a biocompatible hydroxyapatite matrix to immobilize glucose oxidase for sensitive glucose biosensing. <i>Mikrochimica Acta</i> , <b>2009</b> , 165, 223-229	5.8	8
52	Electropolymerization of catecholamines after laccase-catalyzed preoxidation to efficiently immobilize glucose oxidase for sensitive amperometric biosensing. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 151, 30-38	8.5	8
51	An electrochemical quartz crystal impedance study on the rising of an aqueous solution meniscus for a partially immersed gold electrode during the electrochemical reduction of oxygen. <i>Analytical Sciences</i> , <b>2001</b> , 17, 265-72	1.7	8
50	Pyridine-2-sulfonic (or carboxylic) acid modified glassy carbon electrode for anodic stripping voltammetry analysis of Cd and Pb. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1135, 20-28	6.6	8
49	Promoting electricity generation of shewanella putrefaciens in a microbial fuel cell by modification of porous poly(3-aminophenylboronic acid) film on carbon anode. <i>Electrochimica Acta</i> , <b>2020</b> , 354, 136715	6.7	8
48	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> , <b>2021</b> , 332, 129528	8.5	8
47	Charge Transfer Boosting Moisture Resistance of Seminate Perovskite Nanocrystals via Hierarchical Alumina Modulation. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 3159-3165	6.4	8
46	Electroanalysis of nicotine at an electroreduced carboxylated graphene modified glassy carbon electrode. <i>Analytical Methods</i> , <b>2015</b> , 7, 1147-1153	3.2	7
45	Biomineralized nanoparticles enable an enzyme-assisted DNA signal amplification in living cells. <i>Chemical Communications</i> , <b>2020</b> , 56, 2901-2904	5.8	7
44	Preparation of an ultrathin Pt electrocatalyst via a galvanic replacement reaction of electrodeposited CuCl for the oxidation of methanol in an alkaline medium. <i>Chemical Communications</i> , <b>2018</b> , 54, 3743-3746	5.8	7
43	Electroanalysis of Bisphenol A at a Multiwalled Carbon Nanotubes-gold Nanoparticles Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , <b>2009</b> , 21, NA-NA	3	7

42	Sensitive photoelectrochemical immunoassay of Staphylococcus aureus based on one-pot electrodeposited ZnS/CdS heterojunction nanoparticles. <i>Analyst, The</i> , <b>2019</b> , 145, 165-171	5	7
41	Magnetic-core@dual-functional-shell nanocomposites with peroxidase mimicking properties for use in colorimetric and electrochemical sensing of hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2018</b> , 186, 20	5.8	7
40	Interactions of Quercetin with Casein and Bovine Serum Albumin as well as the Effects of Coexisting Carbon Nanotubes. <i>Acta Physico-chimica Sinica</i> , <b>2008</b> , 24, 379-387		6
39	L-tyrosine polymerization-based ultrasensitive multi-analyte enzymatic biosensor. <i>Talanta</i> , <b>2018</b> , 179, 803-809	6.2	5
38	Preparation of a thin-film Pt electrocatalyst by MnO <sub>2</sub> electrodeposition and galvanic replacement reaction for oxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 853, 113553	4.1	5
37	A two-photon fluorescence self-reporting black phosphorus nanoprobe for the monitoring of therapy response. <i>Chemical Communications</i> , <b>2020</b> , 56, 14007-14010	5.8	5
36	Sensitive Bioanalysis Based on in-Situ Droplet Anodic Stripping Voltammetric Detection of CdS Quantum Dots Label after Enhanced Cathodic Preconcentration. <i>Sensors</i> , <b>2016</b> , 16,	3.8	5
35	Bio-/Nanoimmobilization Platform Based on Bioinspired Fibrin-Bone@Polydopamine-Shell Adhesive Composites for Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 47311-47319	9.5	5
34	Identification of a TetR family regulator and a polyketide synthase gene cluster involved in growth development and butenyl-spinosyn biosynthesis of <i>Saccharopolyspora pogona</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 1519-1533	5.7	5
33	CdSe quantum dots-decorated ZnIn <sub>2</sub> S <sub>4</sub> nanosheets for signal-on photoelectrochemical aptasensing of ATP by integrating exciton energy transfer with exciton-plasmon coupling. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 348, 130686	8.5	5
32	Bioimmobilization Matrices with Ultrahigh Efficiency Based on Combined Polymerizations of Chemical Oxidation and Metal Organic Coordination for Biosensing. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 6229-6236	3.8	4
31	Dual-signal sandwich-type electrochemical immunoassay of galectin-3 using methylene blue and gold nanoparticles biolabels. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 861, 113952	4.1	4
30	Three-dimensional macroporous gold electrodes superior to conventional gold disk electrodes in the construction of an electrochemical immunobiosensor for Staphylococcus aureus detection. <i>Analyst, The</i> , <b>2020</b> , 145, 2988-2994	5	4
29	Electrodeposition of Three-Dimensional Porous Platinum Film on Removable Polyaniline Template for High-Performance Electroanalysis. <i>Electroanalysis</i> , <b>2011</b> , 23, 1681-1690	3	4
28	Preparation of a Pt thin-film modified electrode for alkaline electrocatalytic oxidation of methanol by Cu(OH) <sub>2</sub> electrodeposition and galvanic replacement reaction. <i>Electrochimica Acta</i> , <b>2020</b> , 330, 135234	6.7	4
27	Immunosensing of NT-proBNP via Cu <sup>2+</sup> -based MOFs Biolabeling and in situ Microliter-droplet Anodic Stripping Voltammetry. <i>Electroanalysis</i> , <b>2020</b> , 32, 1754-1762	3	3
26	Electrocatalytic oxidation and detection of ethanol on an electroplated Pt/3D honeycomb-like nano-Au/Au disk electrode. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 849, 113375	4.1	3
25	In Vitro Electrochemical Study on Combined Cytotoxicity of 5-Fluorouracil and Three Types of Nanoparticles Against MG-63 Cells. <i>Analytical Letters</i> , <b>2011</b> , 44, 698-708	2.2	3

24	MWCNTs-CoP hybrids for dual-signal electrochemical immunosensing of carcinoembryonic antigen based on overall water splitting. <i>Talanta</i> , <b>2021</b> , 233, 122521	6.2	3
23	Deletion of a hybrid NRPS-T1PKS biosynthetic gene cluster via Latour gene knockout system in <i>Saccharopolyspora pogona</i> and its effect on butenyl-spinosyn biosynthesis and growth development. <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 2369-2384	6.3	2
22	Simultaneous sensitive analysis of Cd(II), Pb(II) and As(III) using a dual-channel anodic stripping voltammetry approach. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 5739-5745	3.6	2
21	Electrochemical quartz crystal microbalance study on Au-supported Pt adlayers for electrocatalytic oxidation of methanol in alkaline solution. <i>Science China Chemistry</i> , <b>2010</b> , 53, 2349-2356	7.9	2
20	Electrodeposition of the Charge-Transfer Complex Generated during Electrooxidation of o-Tolidine and the Effects of Coexisting Chondroitin Sulfate. <i>Acta Physico-chimica Sinica</i> , <b>2008</b> , 24, 230-236		2
19	Electrochemical quartz crystal impedance and fluorescence quenching studies on the binding of carbon nanotubes (CNTs)-adsorbed and solution rutin with hemoglobin. <i>Biotechnology Progress</i> , <b>2007</b> , 23, 473-9	2.8	2
18	Electrochemical quartz crystal microbalance study on the two-electrode-system cyclic voltammetric behavior of Prussian blue films. <i>Science in China Series B: Chemistry</i> , <b>2008</b> , 51, 1074-1086		2
17	EQCM and Fluoroelectrochemical Studies on the Catalytic Oxidation of NADH at a Pencil 8B-Scrawled Gold Electrode with High Detection Sensitivity. <i>Electroanalysis</i> , <b>2006</b> , 18, 1105-1113	3	2
16	Preparation of porous thiolated polymer nanocomposite for construction of sensitive and selective phytohormone amperometric immunosensor. <i>Microchemical Journal</i> , <b>2020</b> , 153, 104380	4.8	2
15	Photoelectrochemical immunoassay of interleukin-6 based on covalent reaction-triggered photocurrent polarity switching of ZnO@fullerenol. <i>Chemical Communications</i> , <b>2021</b> , 57, 10903-10906	5.8	2
14	Potentiometric and UV-Vis spectrophotometric titrations for evaluation of the antioxidant capacity of chicoric acid.. <i>RSC Advances</i> , <b>2020</b> , 10, 11876-11882	3.7	1
13	Preparation of rough Pt modified Au electrode by silver staining and galvanic replacement reactions for amperometric and fuel-cell-based sensing of ethanol. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 230, 77-86	8.5	1
12	Thermal and mechanical properties of poly(urethane-imide)/epoxy/silica hybrids. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, n/a-n/a	2.9	1
11	Electrochemical Quartz Crystal Microbalance Studies on the Codeposition of Dextran Sodium Sulfate with the Charge-Transfer Complexes Generated During Electrooxidation of Benzidine Derivatives. <i>Electroanalysis</i> , <b>2008</b> , 20, 976-983	3	1
10	Tailoring the Photoelectrochemical Activity of Hexametaphosphate-Capped CdS Quantum Dots by Ca-Triggered Surface Charge Regulation: A New Signaling Strategy for Sensitive Immunoassay. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13783-13790	7.8	1
9	Bi-Underpotential/PtAu-bulk co-electrodeposition and subsequent Bi dissolution for the electrocatalytic oxidation and amperometric analysis of formaldehyde. <i>Analyst, The</i> , <b>2020</b> , 145, 7546-7550	5.5	1
8	NaBH <sub>4</sub> -electrooxidation mediated electrodeposition of catalytic Pt nanoparticles on a honeycomb-gold electrode for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 888, 161564	5.7	1
7	Synergistic electrocatalysis of Cu <sub>2</sub> S@Co <sub>3</sub> S <sub>4</sub> core-shell heterostructures toward H <sub>2</sub> O <sub>2</sub> reduction and their application for sensitive immunosensing of alpha fetoprotein. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 348, 130703	8.5	1

6	Photoelectrochemical biosensing of leukemia gene based on CdS/AuNPs/FeOOH Z-scheme heterojunction and a facile reflective device. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 362, 131795	8.5	1
5	Anodic Stripping Voltammetric Analysis of Trace Arsenic(III) on a Au-Stained Au Nanoparticles/Pyridine/Carboxylated Multiwalled Carbon Nanotubes/Glassy Carbon Electrode.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
4	Epoxidation of cyclohexene with molecular oxygen by electrolysis combined with chemical catalysis. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 1723-1729	2	0
3	Sensitive photoelectrochemical determination of T4 polynucleotide kinase using AuNPs/SnS <sub>2</sub> /ZnIn <sub>2</sub> S <sub>4</sub> photoactive material and enzymatic reaction-induced DNA structure switch strategy. <i>Talanta</i> , <b>2022</b> , 123660	6.2	0
2	Preparation of a uniform thin-film Pd-Au electrocatalyst via electroreduction of a palladium hexacyanoferrate(II)-Au electrodeposit for alkaline oxidation of methanol. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 895, 115416	4.1	
1	A TetR family transcriptional regulator, SP_2854 can affect the butenyl-spinosyn biosynthesis by regulating glucose metabolism in <i>Saccharopolyspora pogona</i> .. <i>Microbial Cell Factories</i> , <b>2022</b> , 21, 83	6.4	