

# Genxi Li

## List of Publications by Year in descending order

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364  
papers

12,698  
citations

26567

56  
h-index

45213

90  
g-index

370  
all docs

370  
docs citations

370  
times ranked

10582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Electrochemical Sensor for Mercury(II) Ions by Using a Mercury-Specific Oligonucleotide Probe and Gold Nanoparticle-Based Amplification. <i>Analytical Chemistry</i> , 2009, 81, 7660-7666.	3.2	426
2	A Gold Nanoparticle-Based Aptamer Target Binding Readout for ATP Assay. <i>Advanced Materials</i> , 2007, 19, 3943-3946.	11.1	391
3	Gold Nanoparticle-Based Multicolor Nanobeacons for Sequence-Specific DNA Analysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8670-8674.	7.2	369
4	Graphene quantum dots-based platform for the fabrication of electrochemical biosensors. <i>Electrochemistry Communications</i> , 2011, 13, 31-33.	2.3	326
5	An electrochemical investigation of glucose oxidase at a CdS nanoparticles modified electrode. <i>Biosensors and Bioelectronics</i> , 2005, 21, 817-821.	5.3	193
6	Electron-Transfer Reactivity and Enzymatic Activity of Hemoglobin in a SP Sephadex Membrane. <i>Analytical Chemistry</i> , 2001, 73, 2850-2854.	3.2	179
7	Third-Generation Biosensors Based on the Direct Electron Transfer of Proteins. <i>Analytical Sciences</i> , 2004, 20, 603-609.	0.8	175
8	Electrochemical study of the effect of nano-zinc oxide on microperoxidase and its application to more sensitive hydrogen peroxide biosensor preparation. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1600-1604.	5.3	175
9	Novel Method to Detect DNA Methylation Using Gold Nanoparticles Coupled with Enzyme-Linkage Reactions. <i>Analytical Chemistry</i> , 2010, 82, 229-233.	3.2	169
10	Enlargement of Gold Nanoparticles on the Surface of a Self-Assembled Monolayer Modified Electrode: A Mode in Biosensor Design. <i>Analytical Chemistry</i> , 2006, 78, 5227-5230.	3.2	158
11	A novel electrochemical method to detect mercury (II) ions. <i>Electrochemistry Communications</i> , 2009, 11, 1904-1907.	2.3	136
12	Protein Detection Based on Small Molecule-Linked DNA. <i>Analytical Chemistry</i> , 2012, 84, 4314-4320.	3.2	136
13	Detection of breast cancer cells specially and accurately by an electrochemical method. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2686-2689.	5.3	127
14	Combination of aptamer with gold nanoparticles for electrochemical signal amplification: Application to sensitive detection of platelet-derived growth factor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1598-1602.	5.3	126
15	An Electrochemical Biosensor Designed by Using Zr-Based Metal-Organic Frameworks for the Detection of Glioblastoma-Derived Exosomes with Practical Application. <i>Analytical Chemistry</i> , 2020, 92, 3819-3826.	3.2	126
16	Hemoglobin-Based Hydrogen Peroxide Biosensor Tuned by the Photovoltaic Effect of Nano Titanium Dioxide. <i>Analytical Chemistry</i> , 2005, 77, 6102-6104.	3.2	112
17	Direct Electrochemistry and Enhanced Catalytic Activity for Hemoglobin in a Sodium Montmorillonite Film. <i>Electroanalysis</i> , 2000, 12, 1156-1158.	1.5	108
18	Improvement of enzyme-linked immunosorbent assay for the multicolor detection of biomarkers. <i>Chemical Science</i> , 2016, 7, 3011-3016.	3.7	101

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19	Effect of Silver Nanoparticles on the Electron Transfer Reactivity and the Catalytic Activity of Myoglobin. <i>ChemBioChem</i> , 2004, 5, 1686-1691.	1.3	100
20	Enhanced Charge Transfer by Gold Nanoparticle at DNA Modified Electrode and Its Application to Label-Free DNA Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7579-7584.	4.0	100
21	Design of DNA nanostructure-based interfacial probes for the electrochemical detection of nucleic acids directly in whole blood. <i>Chemical Science</i> , 2018, 9, 979-984.	3.7	100
22	A reagentless nitric oxide biosensor based on hemoglobin-DNA films. <i>Analytica Chimica Acta</i> , 2000, 423, 95-100.	2.6	98
23	Sensitive detection of human breast cancer cells based on aptamer-cell aptamer sandwich architecture. <i>Analytica Chimica Acta</i> , 2013, 764, 59-63.	2.6	96
24	A General Way to Assay Protein by Coupling Peptide with Signal Reporter via Supramolecule Formation. <i>Analytical Chemistry</i> , 2013, 85, 1047-1052.	3.2	91
25	Electrochemical Approach To Detect Apoptosis. <i>Analytical Chemistry</i> , 2008, 80, 5272-5275.	3.2	90
26	A signal-on electrochemical aptasensor for simultaneous detection of two tumor markers. <i>Biosensors and Bioelectronics</i> , 2012, 34, 249-252.	5.3	90
27	Triplex DNA Nanoswitch for pH-Sensitive Release of Multiple Cancer Drugs. <i>ACS Nano</i> , 2019, 13, 7333-7344.	7.3	89
28	An electrochemical biosensor for sensitive analysis of the SARS-CoV-2 RNA. <i>Biosensors and Bioelectronics</i> , 2021, 186, 113309.	5.3	89
29	An electrochemical alkaline phosphatase biosensor fabricated with two DNA probes coupled with $\lambda$ exonuclease. <i>Biosensors and Bioelectronics</i> , 2011, 27, 178-182.	5.3	88
30	Fabrication of a Highly Sensitive Aptasensor for Potassium with a Nicking Endonuclease-Assisted Signal Amplification Strategy. <i>Analytical Chemistry</i> , 2011, 83, 4085-4089.	3.2	87
31	Detection of vascular endothelial growth factor based on rolling circle amplification as a means of signal enhancement in surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2014, 61, 83-87.	5.3	86
32	Detection of microRNA: A Point-of-Care Testing Method Based on a pH-Responsive and Highly Efficient Isothermal Amplification. <i>Analytical Chemistry</i> , 2017, 89, 6631-6636.	3.2	84
33	An amperometric biosensor for the detection of hydrogen peroxide released from human breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2013, 41, 815-819.	5.3	83
34	A hydrogen peroxide biosensor based on the bioelectrocatalysis of hemoglobin incorporated in a kieselguhr film. <i>Sensors and Actuators B: Chemical</i> , 2002, 84, 214-218.	4.0	82
35	Electrochemical Strategy for Sensing Protein Phosphorylation. <i>Bioconjugate Chemistry</i> , 2012, 23, 141-145.	1.8	80
36	Peptide-based electrochemical biosensor for amyloid $\beta$ 1-42 soluble oligomer assay. <i>Talanta</i> , 2012, 93, 358-363.	2.9	80

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37	Colorimetric multiplexed immunoassay for sequential detection of tumor markers. <i>Biosensors and Bioelectronics</i> , 2009, 25, 532-536.	5.3	79
38	Isolation and determination of p-hydroxybenzoylcholine in traditional Chinese medicine Semen sinapis Albae. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 854-858.	1.9	78
39	A Dual-Enzyme-Assisted Three-Dimensional DNA Walking Machine Using T4 Polynucleotide Kinase as Activators and Application in Polynucleotide Kinase Assays. <i>Analytical Chemistry</i> , 2018, 90, 2810-2815.	3.2	73
40	Detection of colorectal cancer-derived exosomes based on covalent organic frameworks. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112638.	5.3	72
41	Direct electrochemistry and electrocatalysis of hemoglobin in poly-3-hydroxybutyrate membrane. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1836-1842.	5.3	70
42	A nitric oxide biosensor based on the multi-assembly of hemoglobin/montmorillonite/polyvinyl alcohol at a pyrolytic graphite electrode. <i>Biosensors and Bioelectronics</i> , 2003, 19, 441-445.	5.3	69
43	Exonuclease III-based and gold nanoparticle-assisted DNA detection with dual signal amplification. <i>Biosensors and Bioelectronics</i> , 2012, 33, 211-215.	5.3	69
44	Strategy to Fabricate an Electrochemical Aptasensor: Application to the Assay of Adenosine Deaminase Activity. <i>Analytical Chemistry</i> , 2010, 82, 3207-3211.	3.2	68
45	Design of Metal-Organic Framework-Based Nanoprobes for Multicolor Detection of DNA Targets with Improved Sensitivity. <i>Analytical Chemistry</i> , 2018, 90, 9929-9935.	3.2	67
46	Study of Pt/TiO <sub>2</sub> nanocomposite for cancer-cell treatment. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010, 98, 207-210.	1.7	66
47	An electrochemical sensing strategy for ultrasensitive detection of glutathione by using two gold electrodes and two complementary oligonucleotides. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3347-3351.	5.3	64
48	Detection of Apoptosis Based on the Interaction between Annexin V and Phosphatidylserine. <i>Analytical Chemistry</i> , 2009, 81, 2410-2413.	3.2	64
49	Bridging exosome and liposome through zirconium-phosphate coordination chemistry: a new method for exosome detection. <i>Chemical Communications</i> , 2019, 55, 2708-2711.	2.2	64
50	Simple electrochemical sensing of attomolar proteins using fabricated complexes with enhanced surface binding avidity. <i>Chemical Science</i> , 2015, 6, 4311-4317.	3.7	63
51	Fabrication of an Aptamer-Coated Liposome Complex for the Detection and Profiling of Exosomes Based on Terminal Deoxynucleotidyl Transferase-Mediated Signal Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 322-329.	4.0	63
52	Detection of flavonoids and assay for their antioxidant activity based on enlargement of gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1199-1205.	1.9	62
53	Wiring Electrons of Cytochrome c with Silver Nanoparticles in Layered Films. <i>ChemPhysChem</i> , 2003, 4, 1364-1366.	1.0	61
54	Electrochemical detection of protein based on hybridization chain reaction-assisted formation of copper nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 66, 327-331.	5.3	61

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55	Ultrasensitive detection of lead ion based on target induced assembly of DNAzyme modified gold nanoparticle and graphene oxide. <i>Analytica Chimica Acta</i> , 2014, 831, 60-64.	2.6	59
56	Fabrication of nanozyme@DNA hydrogel and its application in biomedical analysis. <i>Nano Research</i> , 2017, 10, 959-970.	5.8	58
57	Surface-immobilized and self-shaped DNA hydrogels and their application in biosensing. <i>Chemical Science</i> , 2018, 9, 811-818.	3.7	58
58	An electrochemical biosensor for the assay of alpha-fetoprotein-L3 with practical applications. <i>Biosensors and Bioelectronics</i> , 2017, 87, 352-357.	5.3	57
59	Rhodopsin-Like Ionic Gate Fabricated with Graphene Oxide and Isomeric DNA Switch for Efficient Photocontrol of Ion Transport. <i>Journal of the American Chemical Society</i> , 2019, 141, 8239-8243.	6.6	57
60	A new film for the fabrication of an unmediated H <sub>2</sub> O <sub>2</sub> biosensor. <i>Biosensors and Bioelectronics</i> , 2004, 20, 533-537.	5.3	56
61	Colorimetric Immunoassay for Detection of Tumor Markers. <i>International Journal of Molecular Sciences</i> , 2010, 11, 5077-5094.	1.8	56
62	Colorimetric Sensor Array for Human Semen Identification Designed by Coupling Zirconium Metal-Organic Frameworks with DNA-Modified Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36316-36323.	4.0	54
63	Magnetic Nanoparticles Applied in Electrochemical Detection of Controllable DNA Hybridization. <i>Analytical Chemistry</i> , 2006, 78, 2447-2449.	3.2	53
64	Spherical nucleic acids-based cascade signal amplification for highly sensitive detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113465.	5.3	53
65	Colorimetric assay for protein detection based on <i>nanopumpkin</i> -induced aggregation of peptide-decorated gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 71, 348-352.	5.3	52
66	Molecular Characterization of Exosomes for Subtype-Based Diagnosis of Breast Cancer. <i>Journal of the American Chemical Society</i> , 2022, 144, 13475-13486.	6.6	52
67	A third-generation hydrogen peroxide biosensor fabricated with hemoglobin and Triton X-100. <i>Sensors and Actuators B: Chemical</i> , 2005, 106, 284-288.	4.0	51
68	A colorimetric method for $\alpha$ -glucosidase activity assay and its inhibitor screening based on aggregation of gold nanoparticles induced by specific recognition between phenylenediboronic acid and 4-aminophenyl- $\beta$ -D-glucopyranoside. <i>Nano Research</i> , 2015, 8, 920-930.	5.8	50
69	Design and fabrication of flexible DNA polymer cocoons to encapsulate live cells. <i>Nature Communications</i> , 2019, 10, 2946.	5.8	49
70	Lignin binding to pancreatic lipase and its influence on enzymatic activity. <i>Food Chemistry</i> , 2014, 149, 99-106.	4.2	48
71	Visual naked-eye detection of SARS-CoV-2 RNA based on covalent organic framework capsules. <i>Chemical Engineering Journal</i> , 2022, 429, 132332.	6.6	48
72	Gold nanoparticle-based colorimetric assay of single-nucleotide polymorphism of triplex DNA. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2135-2139.	5.3	47

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73	Highly Sensitive Electrochemical Aptasensor Based on a Ligase-Assisted Exonuclease III-Catalyzed Degradation Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7070-7075.	4.0	47
74	Tuning the redox and enzymatic activity of glucose oxidase in layered organic films and its application in glucose biosensors. <i>Analytical Biochemistry</i> , 2004, 329, 85-90.	1.1	46
75	An electrochemical method to detect folate receptor positive tumor cells. <i>Electrochemistry Communications</i> , 2007, 9, 2547-2550.	2.3	46
76	Tools for Investigation of the RNA Endonuclease Activity of Mammalian Argonaute2 Protein. <i>Analytical Chemistry</i> , 2012, 84, 2492-2497.	3.2	46
77	Fabrication of a protease sensor for caspase-3 activity detection based on surface plasmon resonance. <i>Analyst</i> , 2013, 138, 5757.	1.7	46
78	Functionalization of Covalent Organic Frameworks with DNA via Covalent Modification and the Application to Exosomes Detection. <i>Analytical Chemistry</i> , 2022, 94, 5055-5061.	3.2	46
79	Aptamer-based and DNAzyme-linked colorimetric detection of cancer cells. <i>Protein and Cell</i> , 2010, 1, 842-846.	4.8	45
80	Combination of cascade chemical reactions with grapheneâ€DNA interaction to develop new strategy for biosensor fabrication. <i>Biosensors and Bioelectronics</i> , 2013, 47, 32-37.	5.3	45
81	Fabrication of reusable electrochemical biosensor and its application for the assay of $\alpha$ -glucosidase activity. <i>Analytica Chimica Acta</i> , 2018, 1026, 140-146.	2.6	45
82	Activated effect of lignin on $\alpha$ -amylase. <i>Food Chemistry</i> , 2013, 141, 2229-2237.	4.2	44
83	Colorimetric copper(II) ion sensor based on the conformational change of peptide immobilized onto the surface of gold nanoparticles. <i>Analytical Methods</i> , 2014, 6, 2580-2585.	1.3	44
84	Aptamer-based homogeneous protein detection using cucurbit[7]uril functionalized electrode. <i>Analytica Chimica Acta</i> , 2014, 812, 45-49.	2.6	44
85	Electrochemical assay of $\alpha$ -glucosidase activity and the inhibitor screening in cell medium. <i>Biosensors and Bioelectronics</i> , 2015, 74, 666-672.	5.3	44
86	Detection of microRNA SNPs with ultrahigh specificity by using reduced graphene oxide-assisted rolling circle amplification. <i>Chemical Communications</i> , 2015, 51, 10002-10005.	2.2	43
87	Proximity ligation-induced assembly of DNAzymes for simple and cost-effective colourimetric detection of proteins with high sensitivity. <i>Chemical Communications</i> , 2016, 52, 5633-5636.	2.2	43
88	Electrochemical characteristics of heme proteins in hydroxyethylcellulose film. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 106-111.	4.0	42
89	An electrochemical biosensor for the direct detection of oxytetracycline in mouse blood serum and urine. <i>Analyst</i> , 2013, 138, 1886.	1.7	42
90	A green method of staining DNA in polyacrylamide gel electrophoresis based on fluorescent copper nanoclusters synthesized in situ. <i>Nano Research</i> , 2015, 8, 2714-2720.	5.8	42

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91	Colorimetric detection of proteins based on target-induced activation of aptazyme. <i>Analytica Chimica Acta</i> , 2016, 942, 68-73.	2.6	42
92	Self-assembled multilayer of gold nanoparticles for amplified electrochemical detection of cytochrome c. <i>Analyst</i> , 2008, 133, 1242.	1.7	41
93	Nitric Oxide Biosensors Based on Hb/Phosphatidylcholine Films.. <i>Analytical Sciences</i> , 2002, 18, 129-132.	0.8	40
94	A colorimetric method for protein assay via exonuclease III-assisted signal attenuation strategy and specific DNA-protein interaction. <i>Analytica Chimica Acta</i> , 2013, 788, 171-176.	2.6	40
95	Target induced dissociation (TID) strategy for the development of electrochemical aptamer-based biosensor. <i>Electrochemistry Communications</i> , 2009, 11, 157-160.	2.3	39
96	A new electrochemical method for the detection of cancer cells based on small molecule-linked DNA. <i>Biosensors and Bioelectronics</i> , 2013, 49, 329-333.	5.3	39
97	Dynamic light scattering (DLS)-based immunoassay for ultra-sensitive detection of tumor marker protein. <i>Chemical Communications</i> , 2016, 52, 7850-7853.	2.2	39
98	Switchable "On"–"Off" electrochemical technique for detection of phosphorylation. <i>Biosensors and Bioelectronics</i> , 2010, 26, 638-642.	5.3	38
99	A simple and general approach to assay protease activity with electrochemical technique. <i>Biosensors and Bioelectronics</i> , 2013, 45, 1-5.	5.3	38
100	Dynamic Electrochemical Control of Cell Capture-and-Release Based on Redox-Controlled Host–Guest Interactions. <i>Analytical Chemistry</i> , 2016, 88, 9996-10001.	3.2	38
101	DNA nanoflower blooms in nanochannels: a new strategy for miRNA detection. <i>Chemical Communications</i> , 2018, 54, 11391-11394.	2.2	38
102	Direct electrochemical characterization of the interaction between haemoglobin and nitric oxide. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4409-4413.	1.3	37
103	Electrochemical strategy for detection of phosphorylation based on enzyme-linked electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 274-278.	1.9	37
104	Direct Analysis of Rare Circulating Tumor Cells in Whole Blood Based on Their Controlled Capture and Release on Electrode Surface. <i>Analytical Chemistry</i> , 2020, 92, 13478-13484.	3.2	37
105	Electrochemical Deposition of Cu Metal–Organic Framework Films for the Dual Analysis of Pathogens. <i>Analytical Chemistry</i> , 2021, 93, 8994-9001.	3.2	37
106	Aptamer-Functionalized Nanochannels for One-Step Detection of SARS-CoV-2 in Samples from COVID-19 Patients. <i>Analytical Chemistry</i> , 2021, 93, 16646-16654.	3.2	37
107	Electrochemical Studies of Camptothecin and Its Interaction with Human Serum Albumin. <i>International Journal of Molecular Sciences</i> , 2007, 8, 42-50.	1.8	36
108	Sensitive detection of chloramphenicol based on Ag-DNAzyme-mediated signal amplification modulated by DNA/metal ion interaction. <i>Biosensors and Bioelectronics</i> , 2019, 127, 45-49.	5.3	36

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109	A simple and sensitive method for exosome detection based on steric hindrance-controlled signal amplification. <i>Chemical Communications</i> , 2020, 56, 13768-13771.	2.2	36
110	DNA Hydrogel-Based Three-Dimensional Electron Transporter and Its Application in Electrochemical Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36851-36859.	4.0	36
111	Sensor array for rapid pathogens identification fabricated with peptide-conjugated 2D metal-organic framework nanosheets. <i>Chemical Engineering Journal</i> , 2021, 405, 126707.	6.6	36
112	Sensing Phenothiazine Drugs at a Gold Electrode Co-modified with DNA and Gold Nanoparticles. <i>Analytical Sciences</i> , 2003, 19, 653-657.	0.8	35
113	Fabrication of Ultrathin, Protein-containing Films by Layer-by-Layer Assembly and Electrochemical Characterization of Hemoglobin Entrapped in the Film. <i>Chemistry Letters</i> , 2003, 32, 296-297.	0.7	35
114	Electrochemical investigation on the catalytic ability of tyrosinase with the effect of nano titanium dioxide. <i>Electrochemistry Communications</i> , 2006, 8, 1168-1172.	2.3	35
115	A new strategy for a DNA assay based on a target-triggered isothermal exponential degradation reaction. <i>Chemical Communications</i> , 2011, 47, 5262.	2.2	35
116	One-Step Modification of Electrode Surface for Ultrasensitive and Highly Selective Detection of Nucleic Acids with Practical Applications. <i>Analytical Chemistry</i> , 2016, 88, 7583-7590.	3.2	34
117	Lighting Up CircRNA Using a Linear DNA Nanostructure. <i>Analytical Chemistry</i> , 2020, 92, 12394-12399.	3.2	34
118	Effect of nano cadmium sulfide on the electron transfer reactivity and peroxidase activity of hemoglobin. <i>Journal of Proteomics</i> , 2005, 64, 38-45.	2.4	33
119	An electrochemical biosensor for clenbuterol detection and pharmacokinetics investigation. <i>Talanta</i> , 2013, 113, 36-40.	2.9	33
120	Direct electrochemistry of hemoglobin in dimethyldioctadecyl ammonium bromide film and its electrocatalysis to nitric oxide. <i>Journal of Proteomics</i> , 2005, 62, 143-151.	2.4	32
121	Regulation of Thrombin Activity with a Bifunctional Aptamer and Hemin: Development of a New Anticoagulant and Antidote Pair. <i>ChemBioChem</i> , 2009, 10, 2171-2176.	1.3	32
122	Highly sensitive voltammetric biosensor for nitric oxide based on its high affinity with hemoglobin. <i>Analytica Chimica Acta</i> , 2004, 523, 225-228.	2.6	31
123	PCR-free electrochemical assay of telomerase activity. <i>Electrochemistry Communications</i> , 2008, 10, 1502-1504.	2.3	31
124	Gold nanoparticles based colorimetric assay of protein poly(ADP-ribosyl)ation. <i>Analyst</i> , The, 2011, 136, 2044.	1.7	31
125	A New Method to Assay Protease Based on Amyloid Misfolding: Application to Prostate Cancer Diagnosis Using a Panel of Proteases Biomarkers. <i>Theranostics</i> , 2014, 4, 701-707.	4.6	31
126	Conjugation of Graphene Oxide with DNA-Modified Gold Nanoparticles to Develop a Novel Colorimetric Sensing Platform. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 201-208.	1.2	31



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127	A dual-colorimetric signal strategy for DNA detection based on graphene and DNAzyme. <i>RSC Advances</i> , 2014, 4, 2421-2426.	1.7	31
128	Fabrication of magneto-controlled moveable architecture to develop reusable electrochemical biosensors. <i>Scientific Reports</i> , 2014, 4, 4169.	1.6	31
129	Rolling circle amplification in electrochemical biosensor with biomedical applications. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 223-232.	1.9	31
130	Direct electron transfer reaction of hemoglobin at the bare silver electrode. <i>Journal of Electroanalytical Chemistry</i> , 1994, 369, 267-269.	1.9	30
131	An Unmediated Hydrogen Peroxide Sensor Based on a Hemoglobin-sds Film Modified Electrode. <i>Analytical Letters</i> , 2000, 33, 2631-2644.	1.0	30
132	Electrochemical study of photovoltaic effect of nano titanium dioxide on hemoglobin. <i>Bioelectrochemistry</i> , 2006, 69, 34-40.	2.4	30
133	Study on the electrocatalytic activity of human telomere G-quadruplex-hemin complex and its interaction with small molecular ligands. <i>Electrochimica Acta</i> , 2009, 55, 276-280.	2.6	30
134	Assembly of Selective Biomimetic Surface on an Electrode Surface: A Design of Nano-Bio Interface for Biosensing. <i>Analytical Chemistry</i> , 2015, 87, 5683-5689.	3.2	30
135	A netlike rolling circle nucleic acid amplification technique. <i>Analyst, The</i> , 2015, 140, 74-78.	1.7	30
136	In Situ Programmable DNA Circuit-Promoted Electrochemical Characterization of Stemlike Phenotype in Breast Cancer. <i>Journal of the American Chemical Society</i> , 2021, 143, 16078-16086.	6.6	30
137	An electrochemical biosensor for PD-L1 positive exosomes based on ultra-thin two-dimensional covalent organic framework nanosheets coupled with CRISPR-Cas12a mediated signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131813.	4.0	30
138	An unmediated hydrogen peroxide biosensor based on hemoglobin incorporated in a montmorillonite membrane. <i>Analyst, The</i> , 2001, 126, 1086-1089.	1.7	29
139	Electrochemical investigations of baicalin and DNA-baicalin interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 283-286.	1.9	29
140	A Centrifugation-based Method for Preparation of Gold Nanoparticles and its Application in Biodetection. <i>International Journal of Molecular Sciences</i> , 2007, 8, 526-532.	1.8	29
141	Assembly of Self-Cleaning Electrode Surface for the Development of Refreshable Biosensors. <i>Analytical Chemistry</i> , 2017, 89, 4131-4138.	3.2	29
142	Electrochemical detection of circRNAs based on the combination of back-splice junction and duplex-specific nuclease. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127166.	4.0	29
143	Effect of dimethyl sulfoxide on the electron transfer reactivity of hemoglobin. <i>Bioelectrochemistry</i> , 2001, 54, 49-51.	2.4	28
144	A Novel Method for Separating the Anodic Voltammetric Peaks of Dopamine and Ascorbic Acid. <i>Mikrochimica Acta</i> , 2004, 146, 223-227.	2.5	28

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145	Enhanced electron-transfer reactivity of horseradish peroxidase in phosphatidylcholine films and its catalysis to nitric oxide. <i>Journal of Biotechnology</i> , 2004, 108, 145-152.	1.9	28
146	Electrochemical studies of danthron and the DNA–danthron interaction. <i>Biophysical Chemistry</i> , 2005, 114, 21-26.	1.5	28
147	Solubilization of Single-walled Carbon Nanotubes with Single-stranded DNA Generated from Asymmetric PCR. <i>International Journal of Molecular Sciences</i> , 2007, 8, 705-713.	1.8	28
148	Interaction between curcumin and mimetic biomembrane. <i>Science China Life Sciences</i> , 2012, 55, 527-532.	2.3	28
149	An ATP-responsive smart gate fabricated with a graphene oxide–aptamer–nanochannel architecture. <i>Chemical Communications</i> , 2015, 51, 640-643.	2.2	28
150	Dual-Responsive DNA Nanodevice for the Available Imaging of an Apoptotic Signaling Pathway <i>in Situ</i> . <i>ACS Nano</i> , 2019, 13, 12840-12850.	7.3	28
151	Biocatalytic CsPbX <sub>3</sub> Perovskite Nanocrystals: A Self-Reporting Nanoprobe for Metabolism Analysis. <i>Small</i> , 2021, 17, e2103255.	5.2	28
152	Iodide Modified Silver Electrode and Its Application to the Electroanalysis of Hemoglobin. <i>Electroanalysis</i> , 2000, 12, 205-208.	1.5	27
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