

# Genxi Li

## List of Publications by Year in descending order

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364  
papers

12,698  
citations

26630

56  
h-index

45317

90  
g-index

370  
all docs

370  
docs citations

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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.	6.5	426
2	A Gold Nanoparticle-Based Aptamer Target Binding Readout for ATP Assay. <i>Advanced Materials</i> , 2007, 19, 3943-3946.	21.0	391
3	Gold Nanoparticle-Based Multicolor Nanobeacons for Sequence-Specific DNA Analysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8670-8674.	13.8	369
4	Graphene quantum dots-based platform for the fabrication of electrochemical biosensors. <i>Electrochemistry Communications</i> , 2011, 13, 31-33.	4.7	326
5	An electrochemical investigation of glucose oxidase at a CdS nanoparticles modified electrode. <i>Biosensors and Bioelectronics</i> , 2005, 21, 817-821.	10.1	193
6	Electron-Transfer Reactivity and Enzymatic Activity of Hemoglobin in a SP Sephadex Membrane. <i>Analytical Chemistry</i> , 2001, 73, 2850-2854.	6.5	179
7	Third-Generation Biosensors Based on the Direct Electron Transfer of Proteins. <i>Analytical Sciences</i> , 2004, 20, 603-609.	1.6	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.	10.1	175
9	Novel Method to Detect DNA Methylation Using Gold Nanoparticles Coupled with Enzyme-Linkage Reactions. <i>Analytical Chemistry</i> , 2010, 82, 229-233.	6.5	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.	6.5	158
11	A novel electrochemical method to detect mercury (II) ions. <i>Electrochemistry Communications</i> , 2009, 11, 1904-1907.	4.7	136
12	Protein Detection Based on Small Molecule-Linked DNA. <i>Analytical Chemistry</i> , 2012, 84, 4314-4320.	6.5	136
13	Detection of breast cancer cells specially and accurately by an electrochemical method. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2686-2689.	10.1	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.	10.1	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.	6.5	126
16	Hemoglobin-Based Hydrogen Peroxide Biosensor Tuned by the Photovoltaic Effect of Nano Titanium Dioxide. <i>Analytical Chemistry</i> , 2005, 77, 6102-6104.	6.5	112
17	Direct Electrochemistry and Enhanced Catalytic Activity for Hemoglobin in a Sodium Montmorillonite Film. <i>Electroanalysis</i> , 2000, 12, 1156-1158.	2.9	108
18	Improvement of enzyme-linked immunosorbent assay for the multicolor detection of biomarkers. <i>Chemical Science</i> , 2016, 7, 3011-3016.	7.4	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.	2.6	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.	8.0	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.	7.4	100
22	A reagentless nitric oxide biosensor based on hemoglobin-DNA films. <i>Analytica Chimica Acta</i> , 2000, 423, 95-100.	5.4	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.	5.4	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.	6.5	91
25	Electrochemical Approach To Detect Apoptosis. <i>Analytical Chemistry</i> , 2008, 80, 5272-5275.	6.5	90
26	A signal-on electrochemical aptasensor for simultaneous detection of two tumor markers. <i>Biosensors and Bioelectronics</i> , 2012, 34, 249-252.	10.1	90
27	Triplex DNA Nanoswitch for pH-Sensitive Release of Multiple Cancer Drugs. <i>ACS Nano</i> , 2019, 13, 7333-7344.	14.6	89
28	An electrochemical biosensor for sensitive analysis of the SARS-CoV-2 RNA. <i>Biosensors and Bioelectronics</i> , 2021, 186, 113309.	10.1	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.	10.1	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.	6.5	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.	10.1	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.	6.5	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.	10.1	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.	7.8	82
35	Electrochemical Strategy for Sensing Protein Phosphorylation. <i>Bioconjugate Chemistry</i> , 2012, 23, 141-145.	3.6	80
36	Peptide-based electrochemical biosensor for amyloid $\beta$ 1-42 soluble oligomer assay. <i>Talanta</i> , 2012, 93, 358-363.	5.5	80

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37	Colorimetric multiplexed immunoassay for sequential detection of tumor markers. <i>Biosensors and Bioelectronics</i> , 2009, 25, 532-536.	10.1	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.	3.7	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.	6.5	73
40	Detection of colorectal cancer-derived exosomes based on covalent organic frameworks. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112638.	10.1	72
41	Direct electrochemistry and electrocatalysis of hemoglobin in poly-3-hydroxybutyrate membrane. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1836-1842.	10.1	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.	10.1	69
43	Exonuclease III-based and gold nanoparticle-assisted DNA detection with dual signal amplification. <i>Biosensors and Bioelectronics</i> , 2012, 33, 211-215.	10.1	69
44	Strategy to Fabricate an Electrochemical Aptasensor: Application to the Assay of Adenosine Deaminase Activity. <i>Analytical Chemistry</i> , 2010, 82, 3207-3211.	6.5	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.	6.5	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.	3.8	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.	10.1	64
48	Detection of Apoptosis Based on the Interaction between Annexin V and Phosphatidylserine. <i>Analytical Chemistry</i> , 2009, 81, 2410-2413.	6.5	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.	4.1	64
50	Simple electrochemical sensing of attomolar proteins using fabricated complexes with enhanced surface binding avidity. <i>Chemical Science</i> , 2015, 6, 4311-4317.	7.4	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.	8.0	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.	3.7	62
53	Wiring Electrons of Cytochrome c with Silver Nanoparticles in Layered Films. <i>ChemPhysChem</i> , 2003, 4, 1364-1366.	2.1	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.	10.1	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.	5.4	59
56	Fabrication of nanozyme@DNA hydrogel and its application in biomedical analysis. <i>Nano Research</i> , 2017, 10, 959-970.	10.4	58
57	Surface-immobilized and self-shaped DNA hydrogels and their application in biosensing. <i>Chemical Science</i> , 2018, 9, 811-818.	7.4	58
58	An electrochemical biosensor for the assay of alpha-fetoprotein-L3 with practical applications. <i>Biosensors and Bioelectronics</i> , 2017, 87, 352-357.	10.1	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.	13.7	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.	10.1	56
61	Colorimetric Immunoassay for Detection of Tumor Markers. <i>International Journal of Molecular Sciences</i> , 2010, 11, 5077-5094.	4.1	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.	8.0	54
63	Magnetic Nanoparticles Applied in Electrochemical Detection of Controllable DNA Hybridization. <i>Analytical Chemistry</i> , 2006, 78, 2447-2449.	6.5	53
64	Spherical nucleic acids-based cascade signal amplification for highly sensitive detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113465.	10.1	53
65	Colorimetric assay for protein detection based on nano-pumpkin-induced aggregation of peptide-decorated gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 71, 348-352.	10.1	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.	13.7	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.	7.8	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- $\alpha$ -D-glucopyranoside. <i>Nano Research</i> , 2015, 8, 920-930.	10.4	50
69	Design and fabrication of flexible DNA polymer cocoons to encapsulate live cells. <i>Nature Communications</i> , 2019, 10, 2946.	12.8	49
70	Lignin binding to pancreatic lipase and its influence on enzymatic activity. <i>Food Chemistry</i> , 2014, 149, 99-106.	8.2	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.	12.7	48
72	Gold nanoparticle-based colorimetric assay of single-nucleotide polymorphism of triplex DNA. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2135-2139.	10.1	47

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73	Highly Sensitive Electrochemical Aptasensor Based on a Ligase-Assisted Exonuclease III-Catalyzed Degradation Reaction. ACS Applied Materials & Interfaces, 2014, 6, 7070-7075.	8.0	47
74	Tuning the redox and enzymatic activity of glucose oxidase in layered organic films and its application in glucose biosensors. Analytical Biochemistry, 2004, 329, 85-90.	2.4	46
75	An electrochemical method to detect folate receptor positive tumor cells. Electrochemistry Communications, 2007, 9, 2547-2550.	4.7	46
76	Tools for Investigation of the RNA Endonuclease Activity of Mammalian Argonaute2 Protein. Analytical Chemistry, 2012, 84, 2492-2497.	6.5	46
77	Fabrication of a protease sensor for caspase-3 activity detection based on surface plasmon resonance. Analyst, The, 2013, 138, 5757.	3.5	46
78	Functionalization of Covalent Organic Frameworks with DNA via Covalent Modification and the Application to Exosomes Detection. Analytical Chemistry, 2022, 94, 5055-5061.	6.5	46
79	Aptamer-based and DNAzyme-linked colorimetric detection of cancer cells. Protein and Cell, 2010, 1, 842-846.	11.0	45
80	Combination of cascade chemical reactions with grapheneâ€DNA interaction to develop new strategy for biosensor fabrication. Biosensors and Bioelectronics, 2013, 47, 32-37.	10.1	45
81	Fabrication of reusable electrochemical biosensor and its application for the assay of $\alpha$ -glucosidase activity. Analytica Chimica Acta, 2018, 1026, 140-146.	5.4	45
82	Activated effect of lignin on $\alpha$ -amylase. Food Chemistry, 2013, 141, 2229-2237.	8.2	44
83	Colorimetric copper( $\text{Cu}^{2+}$ ) ion sensor based on the conformational change of peptide immobilized onto the surface of gold nanoparticles. Analytical Methods, 2014, 6, 2580-2585.	2.7	44
84	Aptamer-based homogeneous protein detection using cucurbit[7]uril functionalized electrode. Analytica Chimica Acta, 2014, 812, 45-49.	5.4	44
85	Electrochemical assay of $\alpha$ -glucosidase activity and the inhibitor screening in cell medium. Biosensors and Bioelectronics, 2015, 74, 666-672.	10.1	44
86	Detection of microRNA SNPs with ultrahigh specificity by using reduced graphene oxide-assisted rolling circle amplification. Chemical Communications, 2015, 51, 10002-10005.	4.1	43
87	Proximity ligation-induced assembly of DNAzymes for simple and cost-effective colourimetric detection of proteins with high sensitivity. Chemical Communications, 2016, 52, 5633-5636.	4.1	43
88	Electrochemical characteristics of heme proteins in hydroxyethylcellulose film. Sensors and Actuators B: Chemical, 2006, 113, 106-111.	7.8	42
89	An electrochemical biosensor for the direct detection of oxytetracycline in mouse blood serum and urine. Analyst, The, 2013, 138, 1886.	3.5	42
90	A green method of staining DNA in polyacrylamide gel electrophoresis based on fluorescent copper nanoclusters synthesized in situ. Nano Research, 2015, 8, 2714-2720.	10.4	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.	5.4	42
92	Self-assembled multilayer of gold nanoparticles for amplified electrochemical detection of cytochrome c. <i>Analyst</i> , The, 2008, 133, 1242.	3.5	41
93	Nitric Oxide Biosensors Based on Hb/Phosphatidylcholine Films.. <i>Analytical Sciences</i> , 2002, 18, 129-132.	1.6	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.	5.4	40
95	Target induced dissociation (TID) strategy for the development of electrochemical aptamer-based biosensor. <i>Electrochemistry Communications</i> , 2009, 11, 157-160.	4.7	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.	10.1	39
97	Dynamic light scattering (DLS)-based immunoassay for ultra-sensitive detection of tumor marker protein. <i>Chemical Communications</i> , 2016, 52, 7850-7853.	4.1	39
98	Switchable "On-Off" electrochemical technique for detection of phosphorylation. <i>Biosensors and Bioelectronics</i> , 2010, 26, 638-642.	10.1	38
99	A simple and general approach to assay protease activity with electrochemical technique. <i>Biosensors and Bioelectronics</i> , 2013, 45, 1-5.	10.1	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.	6.5	38
101	DNA nanoflower blooms in nanochannels: a new strategy for miRNA detection. <i>Chemical Communications</i> , 2018, 54, 11391-11394.	4.1	38
102	Direct electrochemical characterization of the interaction between haemoglobin and nitric oxide. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4409-4413.	2.8	37
103	Electrochemical strategy for detection of phosphorylation based on enzyme-linked electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 274-278.	3.8	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.	6.5	37
105	Electrochemical Deposition of Cu Metal-Organic Framework Films for the Dual Analysis of Pathogens. <i>Analytical Chemistry</i> , 2021, 93, 8994-9001.	6.5	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.	6.5	37
107	Electrochemical Studies of Camptothecin and Its Interaction with Human Serum Albumin. <i>International Journal of Molecular Sciences</i> , 2007, 8, 42-50.	4.1	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.	10.1	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.	4.1	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.	8.0	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.	12.7	36
112	Sensing Phenothiazine Drugs at a Gold Electrode Co-modified with DNA and Gold Nanoparticles. <i>Analytical Sciences</i> , 2003, 19, 653-657.	1.6	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.	1.3	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.	4.7	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.	4.1	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.	6.5	34
117	Lighting Up CircRNA Using a Linear DNA Nanostructure. <i>Analytical Chemistry</i> , 2020, 92, 12394-12399.	6.5	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.	5.5	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.	2.6	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.	5.4	31
123	PCR-free electrochemical assay of telomerase activity. <i>Electrochemistry Communications</i> , 2008, 10, 1502-1504.	4.7	31
124	Gold nanoparticles based colorimetric assay of protein poly(ADP-ribosyl)ation. <i>Analyst</i> , The, 2011, 136, 2044.	3.5	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.	10.0	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.	2.3	31



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127	A dual-colorimetric signal strategy for DNA detection based on graphene and DNAzyme. RSC Advances, 2014, 4, 2421-2426.	3.6	31
128	Fabrication of magneto-controlled moveable architecture to develop reusable electrochemical biosensors. Scientific Reports, 2014, 4, 4169.	3.3	31
129	Rolling circle amplification in electrochemical biosensor with biomedical applications. Journal of Electroanalytical Chemistry, 2016, 781, 223-232.	3.8	31
130	Direct electron transfer reaction of hemoglobin at the bare silver electrode. Journal of Electroanalytical Chemistry, 1994, 369, 267-269.	3.8	30
131	An Unmediated Hydrogen Peroxide Sensor Based on a Hemoglobin-sds Film Modified Electrode. Analytical Letters, 2000, 33, 2631-2644.	1.8	30
132	Electrochemical study of photovoltaic effect of nano titanium dioxide on hemoglobin. Bioelectrochemistry, 2006, 69, 34-40.	4.6	30
133	Study on the electrocatalytic activity of human telomere G-quadruplex-hemin complex and its interaction with small molecular ligands. Electrochimica Acta, 2009, 55, 276-280.	5.2	30
134	Assembly of Selective Biomimetic Surface on an Electrode Surface: A Design of Nano-Bio Interface for Biosensing. Analytical Chemistry, 2015, 87, 5683-5689.	6.5	30
135	A netlike rolling circle nucleic acid amplification technique. Analyst, The, 2015, 140, 74-78.	3.5	30
136	In Situ Programmable DNA Circuit-Promoted Electrochemical Characterization of Stemlike Phenotype in Breast Cancer. Journal of the American Chemical Society, 2021, 143, 16078-16086.	13.7	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. Sensors and Actuators B: Chemical, 2022, 362, 131813.	7.8	30
138	An unmediated hydrogen peroxide biosensor based on hemoglobin incorporated in a montmorillonite membrane. Analyst, The, 2001, 126, 1086-1089.	3.5	29
139	Electrochemical investigations of baicalin and DNA-baicalin interactions. Analytical and Bioanalytical Chemistry, 2004, 379, 283-286.	3.7	29
140	A Centrifugation-based Method for Preparation of Gold Nanoparticles and its Application in Biodetection. International Journal of Molecular Sciences, 2007, 8, 526-532.	4.1	29
141	Assembly of Self-Cleaning Electrode Surface for the Development of Refreshable Biosensors. Analytical Chemistry, 2017, 89, 4131-4138.	6.5	29
142	Electrochemical detection of circRNAs based on the combination of back-splice junction and duplex-specific nuclease. Sensors and Actuators B: Chemical, 2020, 302, 127166.	7.8	29
143	Effect of dimethyl sulfoxide on the electron transfer reactivity of hemoglobin. Bioelectrochemistry, 2001, 54, 49-51.	4.6	28
144	A Novel Method for Separating the Anodic Voltammetric Peaks of Dopamine and Ascorbic Acid. Mikrochimica Acta, 2004, 146, 223-227.	5.0	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.	3.8	28
146	Electrochemical studies of danthron and the DNA–danthron interaction. <i>Biophysical Chemistry</i> , 2005, 114, 21-26.	2.8	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.	4.1	28
148	Interaction between curcumin and mimetic biomembrane. <i>Science China Life Sciences</i> , 2012, 55, 527-532.	4.9	28
149	An ATP-responsive smart gate fabricated with a graphene oxide–aptamer–nanochannel architecture. <i>Chemical Communications</i> , 2015, 51, 640-643.	4.1	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.	14.6	28
151	Biocatalytic CsPbX <sub>3</sub> Perovskite Nanocrystals: A Self-Reporting Nanoprobe for Metabolism Analysis. <i>Small</i> , 2021, 17, e2103255.	10.0	28
152	Iodide Modified Silver Electrode and Its Application to the Electroanalysis of Hemoglobin. <i>Electroanalysis</i> , 2000, 12, 205-208.	2.9	27
153	Ultra-sensitive detection of Ag <sup>+</sup> ions based on Ag <sup>+</sup> -assisted isothermal exponential degradation reaction. <i>Biosensors and Bioelectronics</i> , 2013, 39, 183-186.	10.1	27
154	Ultrasensitive Quantitation of Plasma Membrane Proteins via <i>in situ</i> RTA. <i>Analytical Chemistry</i> , 2017, 89, 10776-10782.	6.5	27
155	A pH-responsive bioassay for paper-based diagnosis of exosomes via mussel-inspired surface chemistry. <i>Talanta</i> , 2019, 192, 325-330.	5.5	27
156	Peptide-functionalized metal-organic framework nanocomposite for ultrasensitive detection of secreted protein acidic and rich in cysteine with practical application. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112613.	10.1	27
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