

Longhua Guo

List of Publications by Year in descending order

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213
papers

8,668
citations

41344
49
h-index

62596
80
g-index

213
all docs

213
docs citations

213
times ranked

9322
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallic Nanomaterials with Mimic Oxidoreductase Enzyme Activity: New Insight for Sensing and Biosensing. <i>Mini-Reviews in Organic Chemistry</i> , 2022, 19, 231-241.	1.3	1
2	Toehold-mediated strand displacement coupled with single nanoparticle dark-field microscopy imaging for ultrasensitive biosensing. <i>Nanoscale</i> , 2022, 14, 3496-3503.	5.6	5
3	Aggregation-induced emission monomer-based fluorescent molecularly imprinted poly(ionic liquid) synthesized by a one-pot method for sensitively detecting 4-nitrophenol. <i>Analytical Methods</i> , 2022, 14, 1023-1030.	2.7	3
4	An algorithm-assisted automated identification and enumeration system for sensitive hydrogen sulfide sensing under dark field microscopy. <i>Analyst</i> , The, 2022, 147, 1492-1498.	3.5	2
5	A Ratiometric Fluorescence Probe for Selective Detection of ex vivo Methylglyoxal in Diabetic Mice. <i>ChemistryOpen</i> , 2022, 11, e202200055.	1.9	3
6	Surface-Enhanced Electrochemiluminescence Imaging for Multiplexed Immunoassays of Cancer Markers in Exhaled Breath Condensates. <i>Analytical Chemistry</i> , 2022, 94, 7492-7499.	6.5	15
7	Homogeneous label-free electrochemiluminescence biosensor based on double-driven amplification and magnetic graphene platform. <i>Biosensors and Bioelectronics: X</i> , 2022, 11, 100185.	1.7	1
8	Superior antibacterial activity of sulfur-doped g-C ₃ N ₄ nanosheets dispersed by Tetrastigma hemsleyanum Diels & Gilg's polysaccharides-3 solution. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 453-463.	7.5	16
9	A dual-mode strategy for sensing and bio-imaging of endogenous alkaline phosphatase based on the combination of photoinduced electron transfer and hyperchromic effect. <i>Analytica Chimica Acta</i> , 2021, 1142, 65-72.	5.4	6
10	A Bright Nitrogen-doped-Carbon-Dots based Fluorescent Biosensor for Selective Detection of Copper Ions. <i>Journal of Analysis and Testing</i> , 2021, 5, 84-92.	5.1	25
11	A Novel Enzyme-Responded Controlled Release Electrochemical Biosensor for Hyaluronidase Activity Detection. <i>Journal of Analysis and Testing</i> , 2021, 5, 69-75.	5.1	12
12	Apatinib Combined with Irinotecan in the Treatment of Advanced Small-Cell Esophageal Carcinoma: A Case Report. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 1989-1995.	2.0	1
13	Semi-quantitative detection of p-Aminophenol in real samples with colorfully naked-eye assay. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129604.	7.8	20
14	A novel composite of conductive metal organic framework and molecularly imprinted poly (ionic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 Chemical, 2021, 339, 129885.	7.8	31
15	1,2,4-Triaminobenzene as a Fluorescent Probe for Intracellular pH Imaging and Point-of-Care Ammonia Sensing. <i>ACS Applied Bio Materials</i> , 2021, 4, 6065-6072.	4.6	5
16	Photoelectrochemical Biosensor for MicroRNA-21 Based on High Photocurrent of TiO ₂ /Two-Dimensional Coordination Polymer CuCl ₂ (MBA) _y Photoelectrode. <i>Analytical Chemistry</i> , 2021, 93, 11010-11018.	6.5	24
17	Facile Fabrication of a Functional Filter Tip for Highly Efficient Reduction of Nicotine Content in Mainstream Smoke. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37638-37644.	8.0	4
18	Highly Sensitive Homogeneous Electrochemiluminescence Biosensor for Alkaline Phosphatase Detection Based on Click Chemistry-Triggered Branched Hybridization Chain Reaction. <i>Analytical Chemistry</i> , 2021, 93, 10351-10357.	6.5	15

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19	Homogeneous photoelectrochemical biosensor for microRNA based on target-responsive hydrogel coupled with exonuclease III and nicking endonuclease Nb.BbvCI assistant cascaded amplification strategy. <i>Mikrochimica Acta</i> , 2021, 188, 267.	5.0	11
20	Ultrahigh Efficient FRET Ratiometric Fluorescence Biosensor for Visual Detection of Alkaline Phosphatase Activity and Its Inhibitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12922-12929.	6.7	29
21	Agarose hydrogel doped with gold nanobipyramids(AuNBPs@AG)as colorful height readout device for sensing hydrogen peroxide in complex sample matrix. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130059.	7.8	4
22	A multicolor immunosensor for point-of-care testing NTRK1 gene fusion. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130473.	7.8	3
23	A universal strategy for the incorporation of internal standards into SERS substrates to improve the reproducibility of Raman signals. <i>Analyst, The</i> , 2021, 146, 7168-7177.	3.5	5
24	Highly Reproducible and Sensitive Electrochemiluminescence Biosensors for HPV Detection Based on Bovine Serum Albumin Carrier Platforms and Hyperbranched Rolling Circle Amplification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 298-305.	8.0	35
25	Facial Fabrication of Large-Scale SERS-Active Substrate Based on Self-Assembled Monolayer of Silver Nanoparticles on CTAB-Modified Silicon for Analytical Applications. <i>Nanomaterials</i> , 2021, 11, 3250.	4.1	4
26	Oil-Free Gold Nanobipyramid@Ag Microgels as a Functional SERS Substrate for Direct Detection of Small Molecules in a Complex Sample Matrix. <i>Analytical Chemistry</i> , 2021, 93, 16727-16733.	6.5	11
27	On-spot surface enhanced Raman scattering detection of Aflatoxin B1 in peanut extracts using gold nanobipyramids evenly trapped into the AAO nanoholes. <i>Food Chemistry</i> , 2020, 307, 125528.	8.2	52
28	Nickel-phosphate pompon flowers nanostructured network enables the sensitive detection of microRNA. <i>Talanta</i> , 2020, 209, 120511.	5.5	11
29	A surface-enhanced electrochemiluminescence sensor based on Au-SiO ₂ core-shell nanocomposites doped with Ru(bpy) ₃ ²⁺ for the ultrasensitive detection of prostate-specific antigen in human serum. <i>Analyst, The</i> , 2020, 145, 132-138.	3.5	19
30	Electrochemiluminescence Biosensor for Hyaluronidase Based on the Ru(bpy) ₃ ²⁺ Doped SiO ₂ Nanoparticles Embedded in the Hydrogel Fabricated by Hyaluronic Acid and Polyethylenimine. <i>ACS Applied Bio Materials</i> , 2020, 3, 1158-1164.	4.6	11
31	A signal-on fluorescence sensor for hydrogen sulphide detection in environmental samples based on silver-mediated base pairs. <i>Analytical Methods</i> , 2020, 12, 188-192.	2.7	4
32	Cu ²⁺ -Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. <i>Analytical Chemistry</i> , 2020, 92, 1236-1244.	6.5	58
33	A fluorescence signal amplification and specific energy transfer strategy for sensitive detection of β -galactosidase based on the effects of AIE and host-guest recognition. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112655.	10.1	28
34	Sensing of Hydrogen Sulfide Gas in the Raman-Silent Region Based on Gold Nano-Bipyramids (Au NBPs) Encapsulated by Zeolitic Imidazolate Framework-8. <i>ACS Sensors</i> , 2020, 5, 3964-3970.	7.8	37
35	Sensitive biosensor for p53 DNA sequence based on the photothermal effect of gold nanoparticles and the signal amplification of locked nucleic acid functionalized DNA walkers using a thermometer as readout. <i>Talanta</i> , 2020, 220, 121398.	5.5	22
36	Comprehensive Analysis of the PD-L1 and Immune Infiltrates of m6A RNA Methylation Regulators in Head and Neck Squamous Cell Carcinoma. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 21, 299-314.	5.1	143

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37	Surface-enhanced electrochemiluminescence combined with resonance energy transfer for sensitive carcinoembryonic antigen detection in exhaled breath condensates. <i>Analyst</i> , The, 2020, 145, 6524-6531.	3.5	9
38	Integrative stemness characteristics associated with prognosis and the immune microenvironment in esophageal cancer. <i>Pharmacological Research</i> , 2020, 161, 105144.	7.1	31
39	Determination of copper ions in herbal medicine based on click chemistry using an electronic balance as a readout. <i>Analytical Methods</i> , 2020, 12, 4473-4478.	2.7	0
40	Electrochemiluminescence Sensor for Cancer Cell Detection Based on H ₂ O ₂ -Triggered Stimulus Response System. <i>Journal of Analysis and Testing</i> , 2020, 4, 128-135.	5.1	12
41	Au nanoparticle preconcentration coupled with CE-electrochemiluminescence detection for sensitive analysis of fluoroquinolones in European eel (<i>Anguilla anguilla</i>). <i>Analytical Methods</i> , 2020, 12, 2693-2702.	2.7	4
42	Highly sensitive determination of 4-nitrophenol with coumarin-based fluorescent molecularly imprinted poly (ionic liquid). <i>Journal of Hazardous Materials</i> , 2020, 398, 122854.	12.4	53
43	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30085-30094.	8.0	51
44	Rapid authentication of <i>Pseudostellaria heterophylla</i> (Taizishen) from different regions by near-infrared spectroscopy combined with chemometric methods. <i>Journal of Food Science</i> , 2020, 85, 2004-2009.	3.1	12
45	Real-Time Visualization of the Single-Nanoparticle Electrocatalytic Hydrogen Generation Process and Activity under Dark Field Microscopy. <i>Analytical Chemistry</i> , 2020, 92, 9016-9023.	6.5	27
46	Label-free homogeneous electrochemical biosensor for HPV DNA based on entropy-driven target recycling and hyperbranched rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128407.	7.8	35
47	Dark field microscope-based single nanoparticle identification coupled with statistical analysis for ultrasensitive biotoxin detection in complex sample matrix. <i>Mikrochimica Acta</i> , 2020, 187, 413.	5.0	8
48	Highly sensitive and selective aflatoxin B1 biosensor based on Exonuclease I-catalyzed target recycling amplification and targeted response aptamer-crosslinked hydrogel using electronic balances as a readout. <i>Talanta</i> , 2020, 214, 120862.	5.5	29
49	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. <i>Analytica Chimica Acta</i> , 2020, 1110, 56-63.	5.4	20
50	Electrochemical determination of rutin based on molecularly imprinted poly (ionic liquid) with ionic liquid-graphene as a sensitive element. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127911.	7.8	50
51	Nanosensors for food safety. , 2020, , 339-354.		4
52	A highly sensitive signal-on biosensor for microRNA 142-3p based on the quenching of Ru(bpy) ₃ ²⁺ â€“TPA electrochemiluminescence by carbon dots and duplex specific nuclease-assisted target recycling amplification. <i>Chemical Communications</i> , 2020, 56, 6692-6695.	4.1	18
53	A fluorescence signal amplification strategy for modification-free ratiometric determination of tyrosinase in situ based on the use of dual-templated copper nanoclusters. <i>Mikrochimica Acta</i> , 2020, 187, 240.	5.0	9
54	Target-triggered aggregation of gold nanoparticles for photothermal quantitative detection of adenosine using a thermometer as readout. <i>Analytica Chimica Acta</i> , 2020, 1110, 151-157.	5.4	25

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55	Optimal timing of antiviral therapy for patients with malignant tumor who presented with hepatitis B reactivation during chemotherapy and/or immunosuppressive therapy. <i>Journal of Cancer</i> , 2020, 11, 3559-3566.	2.5	2
56	A homogeneous photoelectrochemical hydrogen sulfide sensor based on the electronic transfer mediated by tetrasulfophthalocyanine. <i>Analyst</i> , The, 2020, 145, 3543-3548.	3.5	12
57	Fluorescence biosensor for DNA methyltransferase activity and related inhibitor detection based on methylation-sensitive cleavage primer triggered hyperbranched rolling circle amplification. <i>Analytica Chimica Acta</i> , 2020, 1122, 1-8.	5.4	21
58	Development of an Immunosensor Based on the Exothermic Reaction between H_2O and CaO Using a Common Thermometer as Readout. <i>ACS Sensors</i> , 2019, 4, 2375-2380.	7.8	30
59	A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. <i>ACS Sensors</i> , 2019, 4, 1844-1850.	7.8	30
60	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. <i>Analytical Chemistry</i> , 2019, 91, 14751-14756.	6.5	29
61	A calcium alginate sponge with embedded gold nanoparticles as a flexible SERS substrate for direct analysis of pollutant dyes. <i>Mikrochimica Acta</i> , 2019, 186, 64.	5.0	21
62	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. <i>Analytical Chemistry</i> , 2019, 91, 11821-11826.	6.5	35
63	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. <i>ACS Sensors</i> , 2019, 4, 2465-2470.	7.8	27
64	Antibacterial mechanism of <i>Tetrastigma hemsleyanum</i> Diels et Gilg's polysaccharides by metabolomics based on HPLC/MS. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 206-215.	7.5	40
65	Rapid detection of dibutyl phthalate in liquor by a semi-quantitative multicolor immunosensor with naked eyes as readout. <i>Analytical Methods</i> , 2019, 11, 524-529.	2.7	13
66	Chemiluminescent sensor for hydrogen sulfide in rat brain microdialysis based on target-induced horseradish peroxidase deactivation. <i>Analytical Methods</i> , 2019, 11, 3085-3089.	2.7	7
67	Intratumoral heterogeneity of EGFR-activating mutations in advanced NSCLC patients at the single-cell level. <i>BMC Cancer</i> , 2019, 19, 369.	2.6	13
68	Noble Metal Nanoparticle-Based Multicolor Immunoassays: An Approach toward Visual Quantification of the Analytes with the Naked Eye. <i>ACS Sensors</i> , 2019, 4, 782-791.	7.8	128
69	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. <i>ACS Sensors</i> , 2019, 4, 1252-1260.	7.8	94
70	DNAzyme-based Y-shaped label-free electrochemiluminescent biosensor for lead using electrically heated indium-tin-oxide electrode for in situ temperature control. <i>Sensors and Actuators B: Chemical</i> , 2019, 289, 78-84.	7.8	19
71	Highly sensitive enzyme-free amperometric sensing of hydrogen peroxide in real samples based on Co_3O_4 nanocolumn structures. <i>Analytical Methods</i> , 2019, 11, 2292-2302.	2.7	27
72	A Cross-Linker-Based Poly(Ionic Liquid) for Sensitive Electrochemical Detection of 4-Nonylphenol. <i>Nanomaterials</i> , 2019, 9, 513.	4.1	12

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73	Rapid synthesis of a highly active and uniform 3-dimensional SERS substrate for on-spot sensing of dopamine. <i>Mikrochimica Acta</i> , 2019, 186, 260.	5.0	17
74	Ratiometric Immunosensor for GP73 Detection Based on the Ratios of Electrochemiluminescence and Electrochemical Signal Using DNA Tetrahedral Nanostructure as the Carrier of Stable Reference Signal. <i>Analytical Chemistry</i> , 2019, 91, 3717-3724.	6.5	80
75	Fluorometric determination of the activity of inorganic pyrophosphatase and its inhibitors by exploiting the peroxidase mimicking properties of a two-dimensional metal organic framework. <i>Mikrochimica Acta</i> , 2019, 186, 190.	5.0	23
76	An ultrasensitive electrochemiluminescence biosensor for nuclear factor kappa B p50 based on the proximity hybridization-induced hybridization chain reaction. <i>Chemical Communications</i> , 2019, 55, 12980-12983.	4.1	19
77	Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr ₃ Quantum Dots. <i>Analytical Chemistry</i> , 2019, 91, 15915-15921.	6.5	79
78	Electrochemiluminescence Biosensor for the Detection of the Folate Receptor in HeLa Cells Based on Hyperbranched Rolling Circle Amplification and Terminal Protection. <i>ChemElectroChem</i> , 2019, 6, 827-833.	3.4	14
79	Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. <i>Journal of Luminescence</i> , 2019, 207, 369-373.	3.1	19
80	Structural characterization, hypoglycemic effects and mechanism of a novel polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels et Gilg. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 775-783.	7.5	58
81	Signal-on electrochemiluminescence aptasensor for b ₂ microglobulin based on hybridization chain reaction and electrically heated electrode. <i>Biosensors and Bioelectronics</i> , 2019, 129, 36-41.	10.1	42
82	Enzyme-free multicolor biosensor based on Cu ²⁺ -modified carbon nitride nanosheets and gold nanobipyramids for sensitive detection of neuron specific enolase. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 138-145.	7.8	43
83	Polysaccharides from <i>Tetrastigma hemsleyanum</i> Diels et Gilg: Extraction optimization, structural characterizations, antioxidant and antihyperlipidemic activities in hyperlipidemic mice. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 1033-1041.	7.5	50
84	Targets regulated formation of boron nitride quantum dots @ Gold nanoparticles nanocomposites for ultrasensitive detection of acetylcholinesterase activity and its inhibitors. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 61-68.	7.8	59
85	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 835-860.	5.9	42
86	Interesting optical variations of the etching of Au Nanobipyramid@Ag Nanorods and its application as a colorful chromogenic substrate for immunoassays. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 502-509.	7.8	43
87	Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. <i>Analytical Chemistry</i> , 2018, 90, 6222-6228.	6.5	120
88	A sensing platform for hypoxanthine detection based on amino-functionalized metal organic framework nanosheet with peroxidase mimic and fluorescence properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 312-319.	7.8	86
89	Homogeneous and label-free electrochemiluminescence aptasensor based on the difference of electrostatic interaction and exonuclease-assisted target recycling amplification. <i>Biosensors and Bioelectronics</i> , 2018, 105, 182-187.	10.1	47
90	Enhanced performance of a hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ochratoxin A using an electrically heated indium tin oxide electrode. <i>Electrochemistry Communications</i> , 2018, 88, 75-78.	4.7	25

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91	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2018, 1002, 90-96.	5.4	44
92	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. <i>Analytical Chemistry</i> , 2018, 90, 1087-1091.	6.5	53
93	Detection of aflatoxin B1 in food samples based on target-responsive aptamer-cross-linked hydrogel using a handheld pH meter as readout. <i>Talanta</i> , 2018, 176, 34-39.	5.5	85
94	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , 2018, 121, 153-158.	10.1	33
95	Hypoglycemic Effects of a Polysaccharide from <i>Tetrastigma hemsleyanum</i> & Gilg in Alloxan-Induced Diabetic Mice. <i>Chemistry and Biodiversity</i> , 2018, 15, e1800070.	2.1	23
96	Rapid authentication of <i>Pseudostellaria heterophylla</i> (Taizishen) from different regions by Raman spectroscopy coupled with chemometric methods. <i>Journal of Luminescence</i> , 2018, 202, 239-245.	3.1	12
97	Dialysis assisted ligand exchange on gold nanorods: Amplification of the performance of a lateral flow immunoassay for <i>E. coli</i> O157:H7. <i>Mikrochimica Acta</i> , 2018, 185, 350.	5.0	21
98	Homogeneous electrochemical aptasensor for mucin 1 detection based on exonuclease I-assisted target recycling amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 117, 474-479.	10.1	59
99	Enzyme-linked immunosorbent assay for aflatoxin B1 using a portable pH meter as the readout. <i>Analytical Methods</i> , 2018, 10, 3804-3809.	2.7	13
100	Highly reproducible ratiometric aptasensor based on the ratio of amplified electrochemiluminescence signal and stable internal reference electrochemical signal. <i>Electrochimica Acta</i> , 2018, 283, 798-805.	5.2	30
101	Electrochemiluminescence biosensor for hyaluronidase activity detection and inhibitor assay based on the electrostatic interaction between hyaluronic acid and Ru(bpy) ₃ ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 409-414.	7.8	18
102	Highly sensitive electrochemical immunosensor for golgi protein 73 based on proximity ligation assay and enzyme-powered recycling amplification. <i>Analytica Chimica Acta</i> , 2018, 1040, 150-157.	5.4	15
103	A smart and sensitive sensing platform to monitor the extracellular concentration of hydrogen peroxide in rat brain microdialysates during pathological processes based on mesoporous silica nanoparticles. <i>Analytical Methods</i> , 2018, 10, 4361-4366.	2.7	1
104	An electrochemiluminescence biosensor for Kras mutations based on locked nucleic acid functionalized DNA walkers and hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2017, 53, 2910-2913.	4.1	75
105	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2017, 963, 112-118.	5.4	38
106	The detection of melamine base on a turn-on fluorescence of DNA-Ag nanoclusters. <i>Journal of Luminescence</i> , 2017, 186, 103-108.	3.1	11
107	Colorimetric probe for copper(II) ion detection based on cost-effective aminoquinoline derivative. <i>Analytical Methods</i> , 2017, 9, 1727-1731.	2.7	10
108	Spectroscopy study of the interaction between endocrine disruptor 4-OH-2,2,3,4-BDE and human serum albumin. <i>Analytical Methods</i> , 2017, 9, 3338-3346.	2.7	2

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109	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , 2017, 174, 365-371.	5.5	42
110	Multicolor biosensor for fish freshness assessment with the naked eye. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 201-208.	7.8	72
111	Novel imidazole fluorescent poly(ionic liquid) nanoparticles for selective and sensitive determination of pyrogallol. <i>Talanta</i> , 2017, 174, 198-205.	5.5	15
112	A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. <i>Scientific Reports</i> , 2017, 7, 45343.	3.3	19
113	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. <i>Analytical Chemistry</i> , 2017, 89, 1617-1623.	6.5	190
114	Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 7145-7151.	3.7	25
115	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe ($\text{m-CDs@}[\text{Ru}(\text{bpy})_3]^{2+}$) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. <i>ACS Sensors</i> , 2017, 2, 1684-1691.	7.8	61
116	Highly active 3-dimensional cobalt oxide nanostructures on the flexible carbon substrates for enzymeless glucose sensing. <i>Analyst</i> , 2017, 142, 4299-4307.	3.5	36
117	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , 2017, 87, 122-128.	10.1	115
118	Facile synthesis of $\text{Fe}_3\text{O}_4/\text{g-C}_3\text{N}_4/\text{HKUST-1}$ composites as a novel biosensor platform for ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2017, 92, 718-723.	10.1	93
119	Highly Selective and Sensitive Electrochemiluminescence Biosensor for p53 DNA Sequence Based on Nicking Endonuclease Assisted Target Recycling and Hyperbranched Rolling Circle Amplification. <i>Analytical Chemistry</i> , 2016, 88, 5097-5103.	6.5	118
120	Label-free electrochemiluminescence biosensor for ultrasensitive detection of telomerase activity in HeLa cells based on extension reaction and intercalation of $\text{Ru}(\text{phen})_3^{2+}$. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7105-7111.	3.7	17
121	Homogeneous Electrochemical Biosensor for Melamine Based on DNA Triplex Structure and Exonuclease III-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , 2016, 88, 10176-10182.	6.5	67
122	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. <i>Langmuir</i> , 2016, 32, 8557-8564.	3.5	24
123	Direct visualization of sub-femtomolar circulating microRNAs in serum based on the duplex-specific nuclease-amplified oriented assembly of gold nanoparticle dimers. <i>Chemical Communications</i> , 2016, 52, 11347-11350.	4.1	20
124	Multicolor Colorimetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. <i>Scientific Reports</i> , 2016, 6, 37879.	3.3	66
125	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 496-501.	10.1	31
126	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. <i>Scientific Reports</i> , 2016, 6, 32755.	3.3	35

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127	Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO ₂ nanosheets and catalytic hairpin assembly amplification. <i>Analytical Methods</i> , 2016, 8, 8492-8497.	2.7	31
128	Surface Enhanced Electrochemiluminescence Immunoassay for Highly Sensitive Detection of Disease Biomarkers in Whole Blood. <i>Electroanalysis</i> , 2016, 28, 1783-1786.	2.9	16
129	Highly sensitive visual detection of Avian Influenza A (H7N9) virus based on the enzyme-induced metallization. <i>Biosensors and Bioelectronics</i> , 2016, 79, 874-880.	10.1	37
130	Flexible and Adhesive Surface Enhance Raman Scattering Active Tape for Rapid Detection of Pesticide Residues in Fruits and Vegetables. <i>Analytical Chemistry</i> , 2016, 88, 2149-2155.	6.5	369
131	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. <i>Analyst</i> , The, 2016, 141, 2970-2976.	3.5	36
132	Gold Nanorods as Colorful Chromogenic Substrates for Semiquantitative Detection of Nucleic Acids, Proteins, and Small Molecules with the Naked Eye. <i>Analytical Chemistry</i> , 2016, 88, 3227-3234.	6.5	123
133	Single plasmonic nanoparticles for ultrasensitive DNA sensing: From invisible to visible. <i>Biosensors and Bioelectronics</i> , 2016, 79, 266-272.	10.1	25
134	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. <i>Biosensors and Bioelectronics</i> , 2016, 75, 8-14.	10.1	69
135	Surface-Enhanced Electrochemiluminescence of Ru@SiO ₂ for Ultrasensitive Detection of Carcinoembryonic Antigen. <i>Analytical Chemistry</i> , 2015, 87, 5966-5972.	6.5	156
136	Fluorometric Method for Inorganic Pyrophosphatase Activity Detection and Inhibitor Screening Based on Click Chemistry. <i>Analytical Chemistry</i> , 2015, 87, 816-820.	6.5	50
137	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. <i>Analytical Methods</i> , 2015, 7, 842-845.	2.7	50
138	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. <i>Biosensors and Bioelectronics</i> , 2015, 68, 475-480.	10.1	97
139	Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. <i>Analytical Methods</i> , 2015, 7, 6109-6113.	2.7	23
140	Surface Enhanced Electrochemiluminescence of Ru(bpy) ₃ ²⁺ . <i>Scientific Reports</i> , 2015, 5, 7954.	3.3	58
141	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , 2015, 10, 213-239.	11.9	356
142	Electrochemiluminescence biosensor for ultrasensitive determination of ochratoxin A in corn samples based on aptamer and hyperbranched rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2015, 70, 268-274.	10.1	97
143	Ultrasensitive Homogeneous Electrochemical Biosensor for DNA Species Related to Oral Cancer Based on Nicking Endonuclease Assisted Target Recycling Amplification. <i>Analytical Chemistry</i> , 2015, 87, 9204-9208.	6.5	100
144	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , 2015, 87, 11826-11831.	6.5	66

#	ARTICLE	IF	CITATIONS
145	A single-nanoparticle NO ₂ gas sensor constructed using active molecular plasmonics. Chemical Communications, 2015, 51, 1326-1329.	4.1	24
146	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. Biosensors and Bioelectronics, 2015, 63, 166-171.	10.1	55
147	Signal on fluorescence biosensor for MMP-2 based on FRET between semiconducting polymer dots and a metal organic framework. RSC Advances, 2014, 4, 58852-58857.	3.6	32
148	Determination of flumioxazin residue in food samples through a sensitive fluorescent sensor based on click chemistry. Food Chemistry, 2014, 162, 242-246.	8.2	9
149	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. Biosensors and Bioelectronics, 2014, 55, 412-416.	10.1	49
150	Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg ²⁺ . Electrochimica Acta, 2014, 150, 123-128.	5.2	43
151	In situ synthesis of protein-resistant poly(oligo(ethylene glycol)methacrylate) films in capillary for protein separation. RSC Advances, 2014, 4, 4883.	3.6	9
152	Fluorescence sensor for Cu(II) in the serum sample based on click chemistry. Analyst, The, 2014, 139, 656-659.	3.5	46
153	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. Biosensors and Bioelectronics, 2014, 58, 226-231.	10.1	35
154	A portable chemical sensor for histidine based on the strategy of click chemistry. Biosensors and Bioelectronics, 2014, 51, 386-390.	10.1	26
155	DNA Methylation Detection and Inhibitor Screening Based on the Discrimination of the Aggregation of Long and Short DNA on a Negatively Charged Indium Tin Oxide Microelectrode. Analytical Chemistry, 2014, 86, 3563-3567.	6.5	68
156	A reusable and portable immunosensor using personal glucose meter as transducer. Analytical Methods, 2014, 6, 5264-5268.	2.7	9
157	Facile preparation of partially functionalized gold nanoparticles via a surfactant-assisted solid phase approach. Journal of Colloid and Interface Science, 2013, 409, 32-37.	9.4	10
158	Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. Analytical Methods, 2013, 5, 5005.	2.7	28
159	Metal-organic frameworks-based biosensor for sequence-specific recognition of double-stranded DNA. Analyst, The, 2013, 138, 3490.	3.5	109
160	Solid-Phase Colorimetric Sensor Based on Gold Nanoparticle-Loaded Polymer Brushes: Lead Detection as a Case Study. Analytical Chemistry, 2013, 85, 4094-4099.	6.5	84
161	Oriented Gold Nanoparticle Aggregation for Colorimetric Sensors with Surprisingly High Analytical Figures of Merit. Journal of the American Chemical Society, 2013, 135, 12338-12345.	13.7	305
162	Adsorption removal of crystal violet from aqueous solution using a metal-organic frameworks material, copper coordination polymer with dithiooxamide. Journal of Applied Polymer Science, 2013, 129, 2857-2864.	2.6	36

#	ARTICLE	IF	CITATIONS
163	Electrochemical biosensor for epidermal growth factor receptor detection with peptide ligand. <i>Electrochimica Acta</i> , 2013, 109, 233-237.	5.2	37
164	Preparative Separation of Enantiomers Based on Functional Nucleic Acids Modified Gold Nanoparticles. <i>Chirality</i> , 2013, 25, 751-756.	2.6	12
165	Label-Free Fluorometric Method for Monitoring Conformational Flexibility of Laccase Based on a Selective Laccase Sensor. <i>Analytical Chemistry</i> , 2013, 85, 11041-11046.	6.5	1
166	An electrochemical sensing platform structured with carbon nanohorns for detecting some food borne contaminants. <i>Electrochimica Acta</i> , 2013, 111, 57-63.	5.2	31
167	An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2013, 49, 10115.	4.1	32
168	Dual-channel cathodic electrochemiluminescence of luminol induced by injection of hot electrons on a niobate semiconductor modified electrode. <i>Analyst, The</i> , 2013, 138, 234-239.	3.5	9
169	Novel colorimetric molecular switch based on copper(I)-catalyzed azide-alkyne cycloaddition reaction and its application for flumioxazin detection. <i>Analyst, The</i> , 2013, 138, 688-692.	3.5	7
170	Metal-organic framework (MOF): a novel sensing platform for biomolecules. <i>Chemical Communications</i> , 2013, 49, 1276.	4.1	339
171	Label-free aptamer-based partial filling technique for enantioseparation and determination of L -tryptophan with micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2013, 34, 254-259.	2.4	24
172	Colorimetric Sensors: Distance-Mediated Plasmonic Dimers for Reusable Colorimetric Switches: A Measurable Peak Shift of More than 60 nm (Small 2/2013). <i>Small</i> , 2013, 9, 233-233.	10.0	2
173	A fluorescent probe for detection of histidine in cellular homogenate and ovalbumin based on the strategy of clickchemistry. <i>Biosensors and Bioelectronics</i> , 2013, 42, 332-336.	10.1	47
174	Fluorescence biosensor for the H5N1 antibody based on a metal-organic framework platform. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1812.	5.8	85
175	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. <i>Biosensors and Bioelectronics</i> , 2013, 47, 199-205.	10.1	16
176	A novel fluorescent sensor for mutational p53 DNA sequence detection based on click chemistry. <i>Biosensors and Bioelectronics</i> , 2013, 41, 403-408.	10.1	32
177	Colorimetric and fluorometric dual-readout sensor for lysozyme. <i>Analyst, The</i> , 2013, 138, 6517.	3.5	25
178	Distance-Mediated Plasmonic Dimers for Reusable Colorimetric Switches: A Measurable Peak Shift of More than 60 nm. <i>Small</i> , 2013, 9, 234-240.	10.0	61
179	Logic gates for multiplexed analysis of Hg^{2+} and Ag^{+} . <i>Analyst, The</i> , 2012, 137, 2687.	3.5	20
180	Terminal protection G-quadruplex-based turn-on fluorescence biosensor for H5N1 antibody. <i>Analytical Methods</i> , 2012, 4, 3425.	2.7	8

#	ARTICLE	IF	CITATIONS
181	A new metal electrocatalysts supported matrix: Palladium nanoparticles supported silicon carbide nanoparticles and its application for alcohol electrooxidation. <i>Electrochimica Acta</i> , 2012, 85, 644-649.	5.2	17
182	Enantioselective analysis of melagatran via an LSPR biosensor integrated with a microfluidic chip. <i>Lab on A Chip</i> , 2012, 12, 3901.	6.0	21
183	Visual detection of copper(ii) based on the aggregation of gold nano-particles via click chemistry. <i>Analytical Methods</i> , 2012, 4, 612.	2.7	16
184	Sensitive fluorescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Chemical Communications</i> , 2012, 48, 6184.	4.1	59
185	LSPR biomolecular assay with high sensitivity induced by aptamer-antigen-antibody sandwich complex. <i>Biosensors and Bioelectronics</i> , 2012, 31, 567-570.	10.1	84
186	Reusable plasmonic aptasensors: using a single nanoparticle to establish a calibration curve and to detect analytes. <i>Chemical Communications</i> , 2011, 47, 7125.	4.1	31
187	Study on interaction between a new fluorescent probe 2-methylbenzo[b][1,10]phenanthroline-7(12H)-one and BSA. <i>Analyst</i> , 2011, 136, 973-978.	3.5	9
188	Multilayered Polypyrrole-Coated Carbon Nanotubes To Improve Functional Stability and Electrical Properties of Neural Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5492-5499.	3.1	36
189	In situ assembly, regeneration and plasmonic immunosensing of a Au nanorod monolayer in a closed-surface flow channel. <i>Lab on A Chip</i> , 2011, 11, 3299.	6.0	35
190	Nanoarray-Based Biomolecular Detection Using Individual Au Nanoparticles with Minimized Localized Surface Plasmon Resonance Variations. <i>Analytical Chemistry</i> , 2011, 83, 2605-2612.	6.5	64
191	Mechanism study on inorganic oxidants induced inhibition of Ru(bpy) ₃ ²⁺ electrochemiluminescence and its application for sensitive determination of some inorganic oxidants. <i>Talanta</i> , 2011, 85, 339-344.	5.5	28
192	Direct growth of highly branched crystalline Au nanostructures on an electrode surface: their surface enhanced Raman scattering and electrocatalytic applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 18271.	6.7	20
193	Capillary electrophoresis with electrochemiluminescence detection: fundamental theory, apparatus, and applications. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3323-3343.	3.7	34
194	Facile fabrication of distance-tunable Au-nanorod chips for single-nanoparticle plasmonic biosensors. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2246-2251.	10.1	49
195	Cellular response of RAW 264.7 to spray-coated multi-walled carbon nanotube films with various surfactants. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 96A, 413-421.	4.0	8
196	Synthesis of a new Ni-phenanthroline complex and its application as an electrochemical probe for detection of nucleic acid. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2270-2274.	10.1	13
197	Highly stable and sensitive glucose biosensor based on covalently assembled high density Au nanostructures. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3845-3851.	10.1	72
198	A highly sensitive method for detection of protein based on inhibition of Ru(bpy) ₃ ²⁺ /TPPrA electrochemiluminescent system. <i>Electrochimica Acta</i> , 2011, 56, 6962-6965.	5.2	13

#	ARTICLE	IF	CITATIONS
199	Resonance light scattering study on the interaction between quinidine sulfate and congo red and its analytical application. <i>Luminescence</i> , 2010, 25, 30-35.	2.9	2
200	Peak wavelength dependant-localized surface Plasmon Resonance sensitivity. , 2010, , .		0
201	Three-Dimensionally Assembled Gold Nanostructures for Plasmonic Biosensors. <i>Analytical Chemistry</i> , 2010, 82, 5147-5153.	6.5	83
202	Mechanism study on inhibited Ru(bpy) ₃ ²⁺ electrochemiluminescence between coreactants. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12826.	2.8	19
203	Influence of Ionic Strength and Surfactant Concentration on Electrostatic Surface Assembly of Cetyltrimethylammonium Bromide-Capped Gold Nanorods on Fully Immersed Glass. <i>Langmuir</i> , 2010, 26, 12433-12442.	3.5	56
204	A new method for preparation of an etched porous joint for capillary electrophoresis and its pore size evaluation. <i>Electrophoresis</i> , 2009, 30, 1355-1361.	2.4	11
205	CE with a new electrochemiluminescent detection system for separation and detection of proteins labeled with tris(1,10-phenanthroline) ruthenium(II). <i>Electrophoresis</i> , 2009, 30, 2390-2396.	2.4	11
206	Mechanism for inhibition of Ru(bpy) ₃ ²⁺ /DBAE electrochemiluminescence system by dopamine. <i>Electrochemistry Communications</i> , 2009, 11, 1579-1582.	4.7	68
207	Synthesis of N-4-butylamine acridone and its use as fluorescent probe for ctDNA. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1281-1285.	10.1	25
208	Capillary Electrophoresis with Electrochemiluminescent Detection for Highly Sensitive Assay of Genetically Modified Organisms. <i>Analytical Chemistry</i> , 2009, 81, 9578-9584.	6.5	32
209	Capillary electrophoresis chemiluminescent detection system equipped with a two-step postcolumn flow interface for detection of some enkephalin-related peptides labeled with acridinium ester. <i>Electrophoresis</i> , 2008, 29, 2348-2355.	2.4	15
210	Using multiple PCR and CE with chemiluminescence detection for simultaneous qualitative and quantitative analysis of genetically modified organism. <i>Electrophoresis</i> , 2008, 29, 3801-3809.	2.4	17
211	Synthesis of a novel fluorescent probe useful for DNA detection. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2629-2635.	10.1	67
212	Synthesis and investigation on the interaction with calf thymus deoxyribonucleic acid of a novel fluorescent probe 7-oxobenzo[b][1,10]phenanthroline-12(7H)-sulfonic acid. <i>Analytica Chimica Acta</i> , 2007, 588, 123-130.	5.4	37
213	High Sensitive Electrochemiluminescence Biosensor Based on Ru(phen) ₃ ²⁺ loaded Double Strand DNA as Signal Tags use to Detect DNA Methyltransferase Activity. <i>Electroanalysis</i> , 0, , .	2.9	4