

Longhua Guo

List of Publications by Year in Descending Order

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Version: 2024-04-09

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

205 papers	6,388 citations	45 h-index	69 g-index
213 ext. papers	7,615 ext. citations	6.8 avg, IF	6.15 L-index

#	Paper	IF	Citations
205	A Ratiometric Fluorescence Probe for Selective Detection of ex vivo Methylglyoxal in Diabetic Mice.. <i>ChemistryOpen</i> , 2022 , 11, e202200055	2.3	
204	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	9.5	8
203	A Novel Enzyme-Responded Controlled Release Electrochemical Biosensor for Hyaluronidase Activity Detection. <i>Journal of Analysis and Testing</i> , 2021 , 5, 69-75	3.2	3
202	Apatinib Combined with Irinotecan in the Treatment of Advanced Small-Cell Esophageal Carcinoma: A Case Report. <i>OncoTargets and Therapy</i> , 2021 , 14, 1989-1995	4.4	1
201	Metallic Nanomaterials with Mimic Oxidoreductase Enzyme Activity: New Insight for Sensing and Biosensing. <i>Mini-Reviews in Organic Chemistry</i> , 2021 , 18,	1.7	1
200	Semi-quantitative detection of p-Aminophenol in real samples with colorfully naked-eye assay. <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129604	8.5	4
199	A novel composite of conductive metal organic framework and molecularly imprinted poly (ionic liquid) for highly sensitive electrochemical detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2021 , 339, 129885	8.5	7
198	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	4.1	1
197	Superior antibacterial activity of sulfur-doped g-CN nanosheets dispersed by Tetrastigma hemsleyanum Diels & Gilg polysaccharides-3 solution. <i>International Journal of Biological Macromolecules</i> , 2021 , 168, 453-463	7.9	2
196	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	6.6	2
195	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	3.2	4
194	Photoelectrochemical Biosensor for MicroRNA-21 Based on High Photocurrent of TiO ₂ /Two-Dimensional Coordination Polymer CuCl(MBA) Photoelectrode. <i>Analytical Chemistry</i> , 2021 , 93, 11010-11018	7.8	6
193	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	9.5	1
192	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	7.8	1
191	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	5.8	2
190	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	8.3	6
189	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	8.5	1

188	A multicolor immunosensor for point-of-care testing NTRK1 gene fusion. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130473	8.5	0
187	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	5	0
186	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	3.2	4
185	Au nanoparticle preconcentration coupled with CE-electrochemiluminescence detection for sensitive analysis of fluoroquinolones in European eel (). <i>Analytical Methods</i> , 2020 , 12, 2693-2702	3.2	2
184	Highly sensitive determination of 4-nitrophenol with coumarin-based fluorescent molecularly imprinted poly (ionic liquid). <i>Journal of Hazardous Materials</i> , 2020 , 398, 122854	12.8	25
183	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	4.5	18
182	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	3.4	4
181	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	7.8	15
180	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	8.5	19
179	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	5.8	3
178	Highly sensitive and selective aflatoxin B 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	6.2	14
177	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. <i>Analytica Chimica Acta</i> , 2020 , 1110, 56-63	6.6	10
176	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	8.5	24
175	Nanosensors for food safety 2020 , 339-354		3
174	A highly sensitive signal-on biosensor for microRNA 142-3p based on the quenching of Ru(bpy)-TPA electrochemiluminescence by carbon dots and duplex specific nuclease-assisted target recycling amplification. <i>Chemical Communications</i> , 2020 , 56, 6692-6695	5.8	11
173	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	5.8	6
172	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	6.6	14
171	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	4.5	

170	A homogeneous photoelectrochemical hydrogen sulfide sensor based on the electronic transfer mediated by tetrasulfophthalocyanine. <i>Analyst, The</i> , 2020 , 145, 3543-3548	5	4
169	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	6.6	6
168	Nickel-phosphate pompon flowers nanostructured network enables the sensitive detection of microRNA. <i>Talanta</i> , 2020 , 209, 120511	6.2	8
167	Electrochemiluminescence Biosensor for Hyaluronidase Based on the Ru(bpy) Doped SiO Nanoparticles Embedded in the Hydrogel Fabricated by Hyaluronic Acid and Polyethylenimine.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1158-1164	4.1	4
166	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	3.2	3
165	Cu-Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. <i>Analytical Chemistry</i> , 2020 , 92, 1236-1244	7.8	30
164	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	11.8	11
163	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	9.2	8
162	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	6.2	12
161	Comprehensive Analysis of the PD-L1 and Immune Infiltrates of mA RNA Methylation Regulators in Head and Neck Squamous Cell Carcinoma. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 21, 299-314	10.7	61
160	Surface-enhanced electrochemiluminescence combined with resonance energy transfer for sensitive carcinoembryonic antigen detection in exhaled breath condensates. <i>Analyst, The</i> , 2020 , 145, 6524-6531	5	3
159	Integrative stemness characteristics associated with prognosis and the immune microenvironment in esophageal cancer. <i>Pharmacological Research</i> , 2020 , 161, 105144	10.2	9
158	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	3.2	
157	On-spot surface enhanced Raman scattering detection of Aflatoxin B in peanut extracts using gold nanobipyramids evenly trapped into the AAO nanoholes. <i>Food Chemistry</i> , 2020 , 307, 125528	8.5	25
156	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	5.8	13
155	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. <i>Analytical Chemistry</i> , 2019 , 91, 11821-11826	7.8	25
154	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. <i>ACS Sensors</i> , 2019 , 4, 2465-2470	9.2	21
153	Antibacterial mechanism of Tetrastigma hemsleyanum Diels et Gilg polysaccharides by metabolomics based on HPLC/MS. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 206-215	7.9	18

152	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	3.2	7
151	Chemiluminescent sensor for hydrogen sulfide in rat brain microdialysis based on target-induced horseradish peroxidase deactivation. <i>Analytical Methods</i> , 2019 , 11, 3085-3089	3.2	3
150	Intratumoral heterogeneity of EGFR-activating mutations in advanced NSCLC patients at the single-cell level. <i>BMC Cancer</i> , 2019 , 19, 369	4.8	8
149	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	9.2	82
148	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. <i>ACS Sensors</i> , 2019 , 4, 1252-1260	9.2	52
147	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	8.5	10
146	Highly sensitive enzyme-free amperometric sensing of hydrogen peroxide in real samples based on Co3O4 nanocolumn structures. <i>Analytical Methods</i> , 2019 , 11, 2292-2302	3.2	13
145	A Cross-Linker-Based Poly(Ionic Liquid) for Sensitive Electrochemical Detection of 4-Nonylphenol. <i>Nanomaterials</i> , 2019 , 9,	5.4	6
144	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	5.8	9
143	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	7.8	49
142	Development of an Immunosensor Based on the Exothermic Reaction between HO and CaO Using a Common Thermometer as Readout. <i>ACS Sensors</i> , 2019 , 4, 2375-2380	9.2	23
141	A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. <i>ACS Sensors</i> , 2019 , 4, 1844-1850	9.2	10
140	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. <i>Analytical Chemistry</i> , 2019 , 91, 14751-14756	7.8	14
139	A surface-enhanced electrochemiluminescence sensor based on Au-SiO core-shell nanocomposites doped with Ru(bpy) for the ultrasensitive detection of prostate-specific antigen in human serum. <i>Analyst, The</i> , 2019 , 145, 132-138	5	8
138	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	5.8	13
137	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 ¹²	5.8	12
136	Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr Quantum Dots. <i>Analytical Chemistry</i> , 2019 , 91, 15915-15921	7.8	35
135	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	4.3	8

134	Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. <i>Journal of Luminescence</i> , 2019 , 207, 369-373	3.8	14
133	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	7.9	33
132	Signal-on electrochemiluminescence aptasensor for bisphenol A based on hybridization chain reaction and electrically heated electrode. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 36-41	11.8	29
131	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	8.5	26
130	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	7.9	32
129	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	8.5	45
128	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 835-860	7.8	25
127	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	8.5	28
126	Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. <i>Analytical Chemistry</i> , 2018 , 90, 6222-6228	7.8	91
125	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	8.5	52
124	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	11.8	31
123	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	5.1	17
122	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2018 , 1002, 90-96	6.6	32
121	Enzyme-linked immunosorbent assay for aflatoxin B1 using a portable pH meter as the readout. <i>Analytical Methods</i> , 2018 , 10, 3804-3809	3.2	7
120	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	6.7	20
119	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	8.5	16
118	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	6.6	10
117	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	3.2	1

116	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. <i>Analytical Chemistry</i> , 2018 , 90, 1087-1091	7.8	37
115	Detection of aflatoxin B 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	6.2	63
114	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 153-158	11.8	28
113	Hypoglycemic Effects of a Polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels & Gilg in Alloxan-Induced Diabetic Mice. <i>Chemistry and Biodiversity</i> , 2018 , 15, e1800070	2.5	15
112	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	3.8	6
111	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	5.8	18
110	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	11.8	40
109	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	5.8	68
108	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2017 , 963, 112-118	6.6	28
107	The detection of melamine base on a turn-on fluorescence of DNA-Ag nanoclusters. <i>Journal of Luminescence</i> , 2017 , 186, 103-108	3.8	10
106	Colorimetric probe for copper(II) ion detection based on cost-effective aminoquinoline derivative. <i>Analytical Methods</i> , 2017 , 9, 1727-1731	3.2	10
105	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	3.2	2
104	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , 2017 , 174, 365-371	6.2	27
103	Multicolor biosensor for fish freshness assessment with the naked eye. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 201-208	8.5	54
102	Novel imidazole fluorescent poly(ionic liquid) nanoparticles for selective and sensitive determination of pyrogallol. <i>Talanta</i> , 2017 , 174, 198-205	6.2	7
101	A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. <i>Scientific Reports</i> , 2017 , 7, 45343	4.9	17
100	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. <i>Analytical Chemistry</i> , 2017 , 89, 1617-1623	7.8	145
99	Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 7145-7151	4.4	18

98	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe (m-CDs@[Ru(bpy)]) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. <i>ACS Sensors</i> , 2017 , 2, 1684-1691	9.2	42
97	Highly active 3-dimensional cobalt oxide nanostructures on the flexible carbon substrates for enzymeless glucose sensing. <i>Analyst, The</i> , 2017 , 142, 4299-4307	5	30
96	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 122-128	11.8	85
95	Facile synthesis of FeO/g-CN/HKUST-1 composites as a novel biosensor platform for ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 718-723	11.8	69
94	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 8-14	11.8	55
93	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	5.8	18
92	Multicolor Colorimetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. <i>Scientific Reports</i> , 2016 , 6, 37879	4.9	53
91	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 496-501	11.8	26
90	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 32755	4.9	30
89	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	3.2	25
88	Surface Enhanced Electrochemiluminescence Immunoassay for Highly Sensitive Detection of Disease Biomarkers in Whole Blood. <i>Electroanalysis</i> , 2016 , 28, 1783-1786	3	13
87	Highly sensitive visual detection of Avian Influenza A (H7N9) virus based on the enzyme-induced metallization. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 874-80	11.8	27
86	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, 2149-55	7.8	277
85	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. <i>Analyst, The</i> , 2016 , 141, 2970-6	5	27
84	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, 3227-34	7.8	101
83	Single plasmonic nanoparticles for ultrasensitive DNA sensing: From invisible to visible. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 266-72	11.8	24
82	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, 5097-103	7.8	101
81	Label-free electrochemiluminescence biosensor for ultrasensitive detection of telomerase activity in HeLa cells based on extension reaction and intercalation of Ru(phen) ₃ (2.). <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7105-11	4.4	10

80	Homogeneous Electrochemical Biosensor for Melamine Based on DNA Triplex Structure and Exonuclease III-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , 2016 , 88, 10176-10182	7.8	55
79	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. <i>Langmuir</i> , 2016 , 32, 8557-64	4	22
78	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 475-480	11.8	76
77	Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. <i>Analytical Methods</i> , 2015 , 7, 6109-6113	3.2	19
76	Surface enhanced electrochemiluminescence of Ru(bpy) ₃ (2+). <i>Scientific Reports</i> , 2015 , 5, 7954	4.9	49
75	Strategies for enhancing the sensitivity of plasmonic nanosensors. <i>Nano Today</i> , 2015 , 10, 213-239	17.9	283
74	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, 268-74	11.8	88
73	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, 9204-8	7.8	84
72	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , 2015 , 87, 11826-31	7.8	56
71	A single-nanoparticle NO ₂ gas sensor constructed using active molecular plasmonics. <i>Chemical Communications</i> , 2015 , 51, 1326-9	5.8	18
70	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 166-171	11.8	50
69	Surface-Enhanced Electrochemiluminescence of Ru@SiO ₂ for Ultrasensitive Detection of Carcinoembryonic Antigen. <i>Analytical Chemistry</i> , 2015 , 87, 5966-72	7.8	126
68	Fluorometric method for inorganic pyrophosphatase activity detection and inhibitor screening based on click chemistry. <i>Analytical Chemistry</i> , 2015 , 87, 816-20	7.8	45
67	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. <i>Analytical Methods</i> , 2015 , 7, 842-845	3.2	45
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65	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 412-6	11.8	44
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61	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 226-31	11.8	31
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59	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. <i>Analytical Chemistry</i> , 2014 , 86, 3563-7	7.8	61
58	A reusable and portable immunosensor using personal glucose meter as transducer. <i>Analytical Methods</i> , 2014 , 6, 5264-5268	3.2	8
57	Signal on fluorescence biosensor for MMP-2 based on FRET between semiconducting polymer dots and a metal organic framework. <i>RSC Advances</i> , 2014 , 4, 58852-58857	3.7	25
56	Facile preparation of partially functionalized gold nanoparticles via a surfactant-assisted solid phase approach. <i>Journal of Colloid and Interface Science</i> , 2013 , 409, 32-7	9.3	9
55	Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. <i>Analytical Methods</i> , 2013 , 5, 5005	3.2	21
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51	Adsorption removal of crystal violet from aqueous solution using a metal-organic frameworks material, copper coordination polymer with dithiooxamide. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2857-2864	2.9	29
50	Electrochemical biosensor for epidermal growth factor receptor detection with peptide ligand. <i>Electrochimica Acta</i> , 2013 , 109, 233-237	6.7	29
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47	An electrochemical sensing platform structured with carbon nanohorns for detecting some food borne contaminants. <i>Electrochimica Acta</i> , 2013 , 111, 57-63	6.7	27
46	An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2013 , 49, 10115-7	5.8	32
45	Dual-channel cathodic electrochemiluminescence of luminol induced by injection of hot electrons on a niobate semiconductor modified electrode. <i>Analyst, The</i> , 2013 , 138, 234-9	5	8

44	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, 688-92	5	5
43	Metal-organic framework (MOF): a novel sensing platform for biomolecules. <i>Chemical Communications</i> , 2013 , 49, 1276-8	5.8	292
42	Label-free aptamer-based partial filling technique for enantioseparation and determination of DL-tryptophan with micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2013 , 34, 254-9	3.6	22
41	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	11	2
40	A fluorescent probe for detection of histidine in cellular homogenate and ovalbumin based on the strategy of click chemistry. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 332-6	11.8	42
39	Fluorescence biosensor for the HN antibody based on a metal-organic framework platform. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1812-1817	7.3	70
38	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 199-205	11.8	12
37	A novel fluorescent sensor for mutational p53 DNA sequence detection based on click chemistry. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 403-8	11.8	29
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