

# Bin Qiu

## List of Publications by Year in Descending Order

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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.

164  
papers

3,694  
citations

34  
h-index

52  
g-index

169  
ext. papers

4,588  
ext. citations

6.5  
avg, IF

5.7  
L-index

#	Paper	IF	Citations
164	Multicolor hydrogen sulfide sensor for meat freshness assessment based on Cu-modified boron nitride nanosheets-supported subnanometer gold nanoparticles.. <i>Food Chemistry</i> , <b>2022</b> , 381, 132278	8.5	0
163	Quick preparation of water-soluble perovskite nanocomposite via cetyltrimethylammonium bromide and its application.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 68	5.8	0
162	Controllable release ratiometric fluorescent sensor for hyaluronidase via the combination of Cu-Fe-N-C nanozymes and degradable intelligent hydrogel. <i>Talanta</i> , <b>2022</b> , 237, 122961	6.2	0
161	Sensitive Electrochemiluminescence Biosensor Based on the Target Trigger Difference of the Electrostatic Interaction between an ECL Reporter and the Electrode Surface.. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	1
160	A novel signal enhancement strategy for the detection of DNA oxidative damage biomarker 8-OHdG based on the synergy between $\beta$ -CD-CuNCs and multi-walled carbon nanotubes.. <i>American Journal of Translational Research (discontinued)</i> , <b>2022</b> , 14, 740-751	3	
159	Properties and Applications of Intelligent Packaging Indicators for Food Spoilage. <i>Membranes</i> , <b>2022</b> , 12, 477	3.8	0
158	A Ratiometric Fluorescence Probe for Selective Detection of ex vivo Methylglyoxal in Diabetic Mice.. <i>ChemistryOpen</i> , <b>2022</b> , 11, e202200055	2.3	
157	Electrochemiluminescence biosensor for HPV16 detection based on the adjusting of steric hindrance effect coupled with Exonuclease III amplification strategy.. <i>Bioelectrochemistry</i> , <b>2022</b> , 146, 108149	5.6	
156	Simple and sensitive lead ion detection based on difference of gold monomer ratio using dark field microscope as readout system. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 353, 131163	8.5	0
155	Single nanoparticle identification coupled with auto-identify algorithm for rapid and accurate detection of L-histidine. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1187, 339162	6.6	1
154	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 &amp; Interfaces</i> , <b>2021</b> , 13, 298-305	9.5	8
153	Convenient detection of HS based on the photothermal effect of Au@Ag nanocubes using a handheld thermometer as readout. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1149, 338211	6.6	8
152	A Novel Enzyme-Responded Controlled Release Electrochemical Biosensor for Hyaluronidase Activity Detection. <i>Journal of Analysis and Testing</i> , <b>2021</b> , 5, 69-75	3.2	3
151	Metallic Nanomaterials with Mimic Oxidoreductase Enzyme Activity: New Insight for Sensing and Biosensing. <i>Mini-Reviews in Organic Chemistry</i> , <b>2021</b> , 18,	1.7	1
150	Highly Sensitive and Selective Photoelectrochemical Aptasensors for Cancer Biomarkers Based on MoS/Au/GaN Photoelectrodes. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 7341-7347	7.8	16
149	Metabolomic analysis of antimicrobial mechanism of polysaccharides from <i>Sparassis crispa</i> based on HPLC-Q-TOF/MS. <i>Carbohydrate Research</i> , <b>2021</b> , 503, 108299	2.9	2
148	Superior antibacterial activity of sulfur-doped g-CN nanosheets dispersed by Tetrastigma hemsleyanum Diels & Gilg $\beta$ polysaccharides-3 solution. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 168, 453-463	7.9	2

147	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> , <b>2021</b> , 1142, 65-72	6.6	2
146	Convenient hyaluronidase biosensors based on the target-trigger enhancing of the permeability of a membrane using an electronic balance as a readout. <i>Analyst, The</i> , <b>2021</b> , 146, 3299-3304	5	0
145	Design of an electrochemiluminescence detection system through the regulation of charge density in a microchannel. <i>Chemical Science</i> , <b>2021</b> , 12, 13151-13157	9.4	2
144	Study on the Biosensor Based on Biomimetic PDA Vesicles Fluorescence Resonance Energy Transfer for the Determination of Ovarian Cancer Marker miRNA-21. <i>Analytical Sciences</i> , <b>2021</b> , 37, 1349-1353	17.5	0
143	A Bright Nitrogen-doped-Carbon-Dots based Fluorescent Biosensor for Selective Detection of Copper Ions. <i>Journal of Analysis and Testing</i> , <b>2021</b> , 5, 84-92	3.2	4
142	Photoelectrochemical Biosensor for MicroRNA-21 Based on High Photocurrent of TiO <sub>2</sub> /Two-Dimensional Coordination Polymer CuCl(MBA) Photoelectrode. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11010-11018	7.8	6
141	Highly Sensitive Homogeneous Electrochemiluminescence Biosensor for Alkaline Phosphatase Detection Based on Click Chemistry-Triggered Branched Hybridization Chain Reaction. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 10351-10357	7.8	1
140	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> , <b>2021</b> , 188, 267	5.8	2
139	Highly sensitive electrochemiluminescence biosensor for Dam methyltransferase based on target-response DNA hydrogel. <i>Journal of Luminescence</i> , <b>2021</b> , 238, 118250	3.8	0
138	Photothermal immunoassay for carcinoembryonic antigen based on the inhibition of cysteine-induced aggregation of gold nanoparticles by copper ion using a common thermometer as readout. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1181, 338929	6.6	0
137	Electrochemiluminescence biosensor for thrombin detection based on metal organic framework with electrochemiluminescence indicator embedded in the framework. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 189, 113374	11.8	10
136	Ultrasensitive Photoelectrochemical Biosensor for microRNA-155 Based on Energy Transfer between Au Nanocages and Red Emission Carbon Dot-Assembled Nanosheets Coupled with the Duplex-Specific Nuclease Enzyme-Assisted Target Recycling Strategy.. <i>Analytical Chemistry</i> , <b>2021</b> ,	7.8	4
135	Electrochemiluminescence Aptasensor for Charged Targets through the Direct Regulation of Charge Density in Microchannels.. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 17127-17133	7.8	0
134	Electrochemiluminescence Sensor for Cancer Cell Detection Based on H <sub>2</sub> O <sub>2</sub> -Triggered Stimulus Response System. <i>Journal of Analysis and Testing</i> , <b>2020</b> , 4, 128-135	3.2	4
133	Au nanoparticle preconcentration coupled with CE-electrochemiluminescence detection for sensitive analysis of fluoroquinolones in European eel ( <i>Ictalurus nebulosus</i> ). <i>Analytical Methods</i> , <b>2020</b> , 12, 2693-2702	3.2	2
132	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 30085-30094	9.5	18
131	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> , <b>2020</b> , 85, 2004-2009	3.4	4
130	Real-Time Visualization of the Single-Nanoparticle Electrocatalytic Hydrogen Generation Process and Activity under Dark Field Microscopy. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 9016-9023	7.8	15

129	Highly Sensitive and Selective Photoelectrochemical Aptasensor for Cancer Biomarker CA125 Based on AuNPs/GaN Schottky Junction. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10114-10120	7.8	38
128	A Highly Sensitive Electrochemiluminescence Biosensor for Pyrophosphatase Detection Based on Click Chemistry-Triggered Hybridization Chain Reaction in Homogeneous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 34716-34722	9.5	16
127	Dark field microscope-based single nanoparticle identification coupled with statistical analysis for ultrasensitive biotoxin detection in complex sample matrix. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 413	5.8	3
126	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> , <b>2020</b> , 214, 120862	6.2	14
125	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1110, 56-63	6.6	10
124	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> , <b>2020</b> , 56, 6692-6695	5.8	11
123	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> , <b>2020</b> , 187, 240	5.8	6
122	Target-triggered aggregation of gold nanoparticles for photothermal quantitative detection of adenosine using a thermometer as readout. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1110, 151-157	6.6	14
121	A homogeneous photoelectrochemical hydrogen sulfide sensor based on the electronic transfer mediated by tetrasulfophthalocyanine. <i>Analyst, The</i> , <b>2020</b> , 145, 3543-3548	5	4
120	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> , <b>2020</b> , 1122, 1-8	6.6	6
119	A signal-on fluorescence sensor for hydrogen sulphide detection in environmental samples based on silver-mediated base pairs. <i>Analytical Methods</i> , <b>2020</b> , 12, 188-192	3.2	3
118	A fluorescence signal amplification and specific energy transfer strategy for sensitive detection of $\beta$ -galactosidase based on the effects of AIE and host-guest recognition. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 169, 112655	11.8	11
117	In situ deposition of MOF-74(Cu) nanosheet arrays onto carbon cloth to fabricate a sensitive and selective electrocatalytic biosensor and its application for the determination of glucose in human serum. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 670	5.8	11
116	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> , <b>2020</b> , 5, 3964-3970	9.2	8
115	Ultrasensitive Homogeneous Electrochemiluminescence Biosensor for a Transcription Factor Based on Target-Modulated Proximity Hybridization and Exonuclease III-Powered Recycling Amplification. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 12686-12692	7.8	13
114	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> , <b>2020</b> , 220, 121398	6.2	12
113	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> , <b>2020</b> , 307, 125528	8.5	25
112	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11821-11826	7.8	25

111	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. <i>ACS Sensors</i> , <b>2019</b> , 4, 2465-2470	9.2	21
110	Antibacterial mechanism of <i>Tetrastigma hemsleyanum</i> Diels et Gilg polysaccharides by metabolomics based on HPLC/MS. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 140, 206-215	7.9	18
109	Rapid detection of dibutyl phthalate in liquor by a semi-quantitative multicolor immunosensor with naked eyes as readout. <i>Analytical Methods</i> , <b>2019</b> , 11, 524-529	3.2	7
108	Chemiluminescent sensor for hydrogen sulfide in rat brain microdialysis based on target-induced horseradish peroxidase deactivation. <i>Analytical Methods</i> , <b>2019</b> , 11, 3085-3089	3.2	3
107	Noble Metal Nanoparticle-Based Multicolor Immunoassays: An Approach toward Visual Quantification of the Analytes with the Naked Eye. <i>ACS Sensors</i> , <b>2019</b> , 4, 782-791	9.2	82
106	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. <i>ACS Sensors</i> , <b>2019</b> , 4, 1252-1260	9.2	52
105	Rapid synthesis of a highly active and uniform 3-dimensional SERS substrate for on-spot sensing of dopamine. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 260	5.8	9
104	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> , <b>2019</b> , 91, 3717-3724	7.8	49
103	Development of an Immunosensor Based on the Exothermic Reaction between HO and CaO Using a Common Thermometer as Readout. <i>ACS Sensors</i> , <b>2019</b> , 4, 2375-2380	9.2	23
102	A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. <i>ACS Sensors</i> , <b>2019</b> , 4, 1844-1850	9.2	10
101	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 14751-14756	7.8	14
100	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> , <b>2019</b> , 145, 132-138	5	8
99	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> , <b>2019</b> , 186, 190	5.8	13
98	An ultrasensitive electrochemiluminescence biosensor for nuclear factor kappa B p50 based on the proximity hybridization-induced hybridization chain reaction. <i>Chemical Communications</i> , <b>2019</b> , 55, 12980-12983	5.8	12
97	Electrochemiluminescence Biosensor for the Detection of the Folate Receptor in HeLa Cells Based on Hyperbranched Rolling Circle Amplification and Terminal Protection. <i>ChemElectroChem</i> , <b>2019</b> , 6, 827-833	4.3	8
96	Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. <i>Journal of Luminescence</i> , <b>2019</b> , 207, 369-373	3.8	14
95	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> , <b>2019</b> , 123, 775-783	7.9	33
94	Signal-on electrochemiluminescence aptasensor for bisphenol A based on hybridization chain reaction and electrically heated electrode. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 129, 36-41	11.8	29

93	Enzyme-free multicolor biosensor based on Cu <sup>2+</sup> -modified carbon nitride nanosheets and gold nanobipyramids for sensitive detection of neuron specific enolase. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 283, 138-145	8.5	26
92	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> , <b>2019</b> , 125, 1033-1041	7.9	32
91	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 835-860	7.8	25
90	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> , <b>2018</b> , 267, 502-509	8.5	28
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> , <b>2018</b> , 105, 182-187	11.8	31
88	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1002, 90-96	6.6	32
87	Enzyme-linked immunosorbent assay for aflatoxin B1 using a portable pH meter as the readout. <i>Analytical Methods</i> , <b>2018</b> , 10, 3804-3809	3.2	7
86	Highly reproducible ratiometric aptasensor based on the ratio of amplified electrochemiluminescence signal and stable internal reference electrochemical signal. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 798-805	6.7	20
85	Electrochemiluminescence biosensor for hyaluronidase activity detection and inhibitor assay based on the electrostatic interaction between hyaluronic acid and Ru(bpy) <sub>3</sub> <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 275, 409-414	8.5	16
84	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> , <b>2018</b> , 10, 4361-4366	3.2	1
83	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 1087-1091	7.8	37
82	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> , <b>2018</b> , 176, 34-39	6.2	63
81	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 121, 153-158	11.8	28
80	Hypoglycemic Effects of a Polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels & Gilg in Alloxan-Induced Diabetic Mice. <i>Chemistry and Biodiversity</i> , <b>2018</b> , 15, e1800070	2.5	15
79	A novel method for geographical origin identification of <i>Tetrastigma hemsleyanum</i> (Sanyeqing) by near-infrared spectroscopy. <i>Analytical Methods</i> , <b>2018</b> , 10, 2980-2988	3.2	11
78	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> , <b>2018</b> , 185, 350	5.8	18
77	Homogeneous electrochemical aptasensor for mucin 1 detection based on exonuclease I-assisted target recycling amplification strategy. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 117, 474-479	11.8	40
76	An electrochemiluminescence biosensor for Kras mutations based on locked nucleic acid functionalized DNA walkers and hyperbranched rolling circle amplification. <i>Chemical Communications</i> , <b>2017</b> , 53, 2910-2913	5.8	68



75	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , <b>2017</b> , 963, 112-118	6.6	28
74	Molecular Interaction Kinetics and Mechanism Study of Phytohormones and Plant Protein with Fluorescence and Synchronous Fluorescence Techniques. <i>ChemistrySelect</i> , <b>2017</b> , 2, 3993-4000	1.8	0
73	Spectroscopy study of the interaction between endocrine disruptor 4-OH-2,2',3,4'-BDE and human serum albumin. <i>Analytical Methods</i> , <b>2017</b> , 9, 3338-3346	3.2	2
72	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , <b>2017</b> , 174, 365-371	6.2	27
71	Multicolor biosensor for fish freshness assessment with the naked eye. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 201-208	8.5	54
70	Use of Fourier transform near-infrared spectroscopy combined with a relevance vector machine to discriminate <i>Tetrastigma hemsleyanum</i> (Sanyeqing) from other related species. <i>Analytical Methods</i> , <b>2017</b> , 9, 4023-4027	3.2	10
69	A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. <i>Scientific Reports</i> , <b>2017</b> , 7, 45343	4.9	17
68	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 1617-1623	7.8	145
67	Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenol A. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 7145-7151	4.4	18
66	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> , <b>2017</b> , 2, 1684-1691	9.2	42
65	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 122-128	11.8	85
64	Facile synthesis of FeO/g-CN/HKUST-1 composites as a novel biosensor platform for ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 718-723	11.8	69
63	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 75, 8-14	11.8	55
62	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> , <b>2016</b> , 52, 11347-11350	5.8	18
61	Multicolor Colorimetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. <i>Scientific Reports</i> , <b>2016</b> , 6, 37879	4.9	53
60	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 496-501	11.8	26
59	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. <i>Scientific Reports</i> , <b>2016</b> , 6, 32755	4.9	30
58	Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO <sub>2</sub> nanosheets and catalytic hairpin assembly amplification. <i>Analytical Methods</i> , <b>2016</b> , 8, 8492-8497	3.2	25

57	Surface Enhanced Electrochemiluminescence Immunoassay for Highly Sensitive Detection of Disease Biomarkers in Whole Blood. <i>Electroanalysis</i> , <b>2016</b> , 28, 1783-1786	3	13
56	Highly sensitive visual detection of Avian Influenza A (H7N9) virus based on the enzyme-induced metallization. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 874-80	11.8	27
55	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. <i>Analyst, The</i> , <b>2016</b> , 141, 2970-6	5	27
54	Gold Nanorods as Colorful Chromogenic Substrates for Semiquantitative Detection of Nucleic Acids, Proteins, and Small Molecules with the Naked Eye. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3227-34	7.8	101
53	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> , <b>2016</b> , 88, 5097-103	7.8	101
52	Label-free electrochemiluminescence biosensor for ultrasensitive detection of telomerase activity in HeLa cells based on extension reaction and intercalation of Ru(phen) <sub>3</sub> (2.). <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 7105-11	4.4	10
51	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 475-480	11.8	76
50	Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. <i>Analytical Methods</i> , <b>2015</b> , 7, 6109-6113	3.2	19
49	Surface enhanced electrochemiluminescence of Ru(bpy) <sub>3</sub> (2+). <i>Scientific Reports</i> , <b>2015</b> , 5, 7954	4.9	49
48	Electrochemiluminescence biosensor for ultrasensitive determination of ochratoxin A in corn samples based on aptamer and hyperbranched rolling circle amplification. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 268-74	11.8	88
47	Ultrasensitive homogeneous electrochemical biosensor for DNA species related to oral cancer based on nicking endonuclease assisted target recycling amplification. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9204-8	7.8	84
46	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 11826-31	7.8	56
45	A one-step electrochemiluminescence immunosensor preparation for ultrasensitive detection of carbohydrate antigen 19-9 based on multi-functionalized graphene oxide. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 66, 468-73	11.8	38
44	Formation and characterization of glutathione adducts derived from polybrominated diphenyl ethers. <i>Chemosphere</i> , <b>2015</b> , 120, 365-70	8.4	8
43	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 63, 166-171	11.8	50
42	Interaction of 2-(2,4,6-tribromophenoxy)-benzoquinone with deoxynucleosides and DNA in vitro. <i>Chemosphere</i> , <b>2015</b> , 118, 29-34	8.4	8
41	Surface-Enhanced Electrochemiluminescence of Ru@SiO <sub>2</sub> for Ultrasensitive Detection of Carcinoembryonic Antigen. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 5966-72	7.8	126
40	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. <i>Analytical Methods</i> , <b>2015</b> , 7, 842-845	3.2	45



39	Determination of nerolidol in teas using headspace solid phase microextraction-gas chromatography. <i>Food Chemistry</i> , <b>2014</b> , 152, 285-90	8.5	29
38	Fluorescence determination of acrylamide in heat-processed foods. <i>Talanta</i> , <b>2014</b> , 123, 95-100	6.2	21
37	Determination of flumioxazin residue in food samples through a sensitive fluorescent sensor based on click chemistry. <i>Food Chemistry</i> , <b>2014</b> , 162, 242-6	8.5	7
36	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 412-6	11.8	44
35	Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg <sup>2+</sup> . <i>Electrochimica Acta</i> , <b>2014</b> , 150, 123-128	6.7	37
34	Determination of the migration of eight parabens from antibacterial plastic packaging by liquid chromatography-electrospray ionization-tandem mass spectrometry. <i>Analytical Methods</i> , <b>2014</b> , 6, 2096	3.2	9
33	Fluorescence probe techniques to study the interaction between hydroxylated polybrominated diphenyl ethers (OH-PBDEs) and protein disulfide isomerase (PDI). <i>Analytical Methods</i> , <b>2014</b> , 6, 8106-8109	3.2	2
32	In situ synthesis of protein-resistant poly(oligo(ethylene glycol)methacrylate) films in capillary for protein separation. <i>RSC Advances</i> , <b>2014</b> , 4, 4883	3.7	9
31	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 58, 226-31	11.8	31
30	A reusable and portable immunosensor using personal glucose meter as transducer. <i>Analytical Methods</i> , <b>2014</b> , 6, 5264-5268	3.2	8
29	Signal on fluorescence biosensor for MMP-2 based on FRET between semiconducting polymer dots and a metal organic framework. <i>RSC Advances</i> , <b>2014</b> , 4, 58852-58857	3.7	25
28	G-quadruplex DNA biosensor for sensitive visible detection of genetically modified food. <i>Talanta</i> , <b>2014</b> , 128, 445-9	6.2	17
27	Highly sensitive fluorescent immunosensor for detection of influenza virus based on Ag autocatalysis. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 358-64	11.8	42
26	Prussian blue-doped nanogold microspheres for enzyme-free electrocatalytic immunoassay of p53 protein. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 581-588	5.8	7
25	Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. <i>Analytical Methods</i> , <b>2013</b> , 5, 5005	3.2	21
24	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> , <b>2013</b> , 129, 2857-2864	2.9	29
23	An ultrasensitive biosensor for glucose based on solid-state electrochemiluminescence on GOx/CdS/GCE electrode. <i>Analytical Methods</i> , <b>2013</b> , 5, 1941	3.2	7
22	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 47, 199-205	11.8	12

21	A novel fluorescent biosensor for detection of target DNA fragment from the transgene cauliflower mosaic virus 35S promoter. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 168-71	11.8	20
20	Preparation of novel core-shell silica particles for pH sensing using ratiometric fluorescence approach. <i>Analytical Methods</i> , <b>2012</b> , 4, 1001	3.2	10
19	Terminal protection G-quadruplex-based turn-on fluorescence biosensor for H5N1 antibody. <i>Analytical Methods</i> , <b>2012</b> , 4, 3425	3.2	7
18	Enantioselective analysis of melagatran via an LSPR biosensor integrated with a microfluidic chip. <i>Lab on A Chip</i> , <b>2012</b> , 12, 3901-6	7.2	20
17	Visual detection of copper(II) based on the aggregation of gold nano-particles via click chemistry. <i>Analytical Methods</i> , <b>2012</b> , 4, 612	3.2	14
16	Determination of magnesium ion in serum samples by a DNAzyme-based electrochemical biosensor. <i>Analytical Methods</i> , <b>2012</b> , 4, 947	3.2	13
15	G-quadruplex DNAzyme as the turn on switch for fluorimetric detection of genetically modified organisms. <i>Chemical Communications</i> , <b>2011</b> , 47, 1437-9	5.8	40
14	Mechanism study on inorganic oxidants induced inhibition of Ru(bpy) <sub>3</sub> <sup>2+</sup> electrochemiluminescence and its application for sensitive determination of some inorganic oxidants. <i>Talanta</i> , <b>2011</b> , 85, 339-44	6.2	23
13	Specific immunoreaction-induced controlled release strategy for sensitive impedance immunoassay of a cancer marker. <i>Analyst, The</i> , <b>2011</b> , 136, 3869-71	5	10
12	Electrochemiluminescence Behavior of Ru(bpy) <sub>3</sub> <sup>2+</sup> /Carbofuran System on an Electrically Heated Microelectrode Chip. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 2148-2152	4.9	1
11	Electrochemiluminescent Detection Method for Glyphosate in Soybean on Carbon Fiber-ionic Liquid Paste Electrode. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 581-586	4.9	3
10	Synthesis of a new Ni-phenanthroline complex and its application as an electrochemical probe for detection of nucleic acid. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2270-4	11.8	10
9	Study on interaction between a new fluorescent probe 2-methylbenzo[b][1,10]phenanthroline-7(12H)-one and BSA. <i>Analyst, The</i> , <b>2011</b> , 136, 973-8	5	8
8	Mechanism study on inhibited Ru(bpy) <sub>3</sub> <sup>2+</sup> electrochemiluminescence between coreactants. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 12826-32	3.6	14
7	A sensitive aptasensor for adenosine based on the quenching of Ru(bpy) <sub>3</sub> <sup>2+</sup> -doped silica nanoparticle ECL by ferrocene. <i>Chemical Communications</i> , <b>2010</b> , 46, 7751-3	5.8	62
6	Electrochemiluminescence Biosensor for Glucose Based on Graphene/Nafion/GOD Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , <b>2010</b> , 22, 2347-2352	3	50
5	Graphene and Nanogold-Functionalized Immunosensing Interface with Enhanced Sensitivity for One-Step Electrochemical Immunoassay of Alpha-Fetoprotein in Human Serum. <i>Electroanalysis</i> , <b>2010</b> , 22, 2720-2728	3	50
4	Synthesis of N-4-butylamine acridone and its use as fluorescent probe for ctDNA. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1281-5	11.8	22

3	Electrochemiluminescence determination of codeine or morphine with an organically modified silicate film immobilizing Ru(bpy) <sub>3</sub> ( <sup>2+</sup> ). <i>Luminescence</i> , <b>2007</b> , 22, 189-94	2.5	17
2	Synthesis of a novel fluorescent probe useful for DNA detection. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 2629-35	11.8	61
1	High Sensitive Electrochemiluminescence Biosensor Based on Ru(phen) <sub>3</sub> <sup>2+</sup> -loaded Double Strand DNA as Signal Tags use to Detect DNA Methyltransferase Activity. <i>Electroanalysis</i> ,	3	1