

# Bin Qiu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8144047/publications.pdf>

Version: 2024-02-01

169  
papers

5,352  
citations

70961

41  
h-index

123241

61  
g-index

169  
all docs

169  
docs citations

169  
times ranked

5390  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. <i>Analytical Chemistry</i> , 2017, 89, 1617-1623.	3.2	190
2	Surface-Enhanced Electrochemiluminescence of Ru@SiO <sub>2</sub> for Ultrasensitive Detection of Carcinoembryonic Antigen. <i>Analytical Chemistry</i> , 2015, 87, 5966-5972.	3.2	156
3	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.	4.0	128
4	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.	3.2	123
5	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.	3.2	118
6	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , 2017, 87, 122-128.	5.3	115
7	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.	3.2	100
8	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. <i>Biosensors and Bioelectronics</i> , 2015, 68, 475-480.	5.3	97
9	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.	5.3	97
10	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. <i>ACS Sensors</i> , 2019, 4, 1252-1260.	4.0	94
11	Facile synthesis of Fe <sub>3</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> /HKUST-1 composites as a novel biosensor platform for ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2017, 92, 718-723.	5.3	93
12	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.	2.9	85
13	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.	3.2	80
14	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.	2.2	75
15	Multicolor biosensor for fish freshness assessment with the naked eye. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 201-208.	4.0	72
16	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. <i>Biosensors and Bioelectronics</i> , 2016, 75, 8-14.	5.3	69
17	Highly Sensitive and Selective Photoelectrochemical Aptasensor for Cancer Biomarker CA125 Based on AuNPs/GaN Schottky Junction. <i>Analytical Chemistry</i> , 2020, 92, 10114-10120.	3.2	69
18	Synthesis of a novel fluorescent probe useful for DNA detection. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2629-2635.	5.3	67

#	ARTICLE	IF	CITATIONS
19	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , 2015, 87, 11826-11831.	3.2	66
20	Multicolor Colormetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. <i>Scientific Reports</i> , 2016, 6, 37879.	1.6	66
21	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> , 2010, 46, 7751.	2.2	64
22	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe (m-CDs@[Ru(bpy) <sub>3</sub> ] <sup>2+</sup> ) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. <i>ACS Sensors</i> , 2017, 2, 1684-1691.	4.0	61
23	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.	5.3	59
24	Surface Enhanced Electrochemiluminescence of Ru(bpy) <sub>3</sub> <sup>2+</sup> . <i>Scientific Reports</i> , 2015, 5, 7954.	1.6	58
25	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.	3.6	58
26	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2015, 63, 166-171.	5.3	55
27	Electrochemiluminescence Biosensor for Glucose Based on Graphene/Nafion/GOD Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2010, 22, 2347-2352.	1.5	53
28	Graphene and Nanogold-Functionalized Immunosensing Interface with Enhanced Sensitivity for One-Step Electrochemical Immunoassay of Alpha-Fetoprotein in Human Serum. <i>Electroanalysis</i> , 2010, 22, 2720-2728.	1.5	53
29	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. <i>Analytical Chemistry</i> , 2018, 90, 1087-1091.	3.2	53
30	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.	4.2	52
31	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> , 2015, 66, 468-473.	5.3	51
32	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30085-30094.	4.0	51
33	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. <i>Analytical Methods</i> , 2015, 7, 842-845.	1.3	50
34	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.	3.6	50
35	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. <i>Biosensors and Bioelectronics</i> , 2014, 55, 412-416.	5.3	49
36	Highly sensitive fluorescent immunosensor for detection of influenza virus based on Ag autocatalysis. <i>Biosensors and Bioelectronics</i> , 2014, 54, 358-364.	5.3	48

#	ARTICLE	IF	CITATIONS
37	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.	5.3	47
38	Highly Sensitive and Selective Photoelectrochemical Aptasensors for Cancer Biomarkers Based on MoS <sub>2</sub> /Au/GaN Photoelectrodes. <i>Analytical Chemistry</i> , 2021, 93, 7341-7347.	3.2	45
39	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2018, 1002, 90-96.	2.6	44
40	Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg <sup>2+</sup> . <i>Electrochimica Acta</i> , 2014, 150, 123-128.	2.6	43
41	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.	4.0	43
42	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> , 2019, 283, 138-145.	4.0	43
43	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , 2017, 174, 365-371.	2.9	42
44	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 835-860.	3.2	42
45	Signal-on electrochemiluminescence aptasensor for bisphosphonate detection based on hybridization chain reaction and electrically heated electrode. <i>Biosensors and Bioelectronics</i> , 2019, 129, 36-41.	5.3	42
46	G-quadruplex DNAzyme as the turn on switch for fluorimetric detection of genetically modified organisms. <i>Chemical Communications</i> , 2011, 47, 1437-1439.	2.2	40
47	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.	3.6	40
48	Determination of nerolidol in teas using headspace solid phase microextraction-gas chromatography. <i>Food Chemistry</i> , 2014, 152, 285-290.	4.2	39
49	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2017, 963, 112-118.	2.6	38
50	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.	5.3	37
51	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.	4.0	37
52	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.	1.3	36
53	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. <i>Analyst</i> , 2016, 141, 2970-2976.	1.7	36
54	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Biosensors and Bioelectronics</i> , 2014, 58, 226-231.	5.3	35

#	ARTICLE	IF	CITATIONS
55	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. <i>Scientific Reports</i> , 2016, 6, 32755.	1.6	35
56	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. <i>Analytical Chemistry</i> , 2019, 91, 11821-11826.	3.2	35
57	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> , 2021, 13, 298-305.	4.0	35
58	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , 2018, 121, 153-158.	5.3	33
59	Ultrasensitive Homogeneous Electrochemiluminescence Biosensor for a Transcription Factor Based on Target-Modulated Proximity Hybridization and Exonuclease III-Powered Recycling Amplification. <i>Analytical Chemistry</i> , 2020, 92, 12686-12692.	3.2	33
60	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.	1.7	32
61	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 496-501.	5.3	31
62	Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO <sub>2</sub> nanosheets and catalytic hairpin assembly amplification. <i>Analytical Methods</i> , 2016, 8, 8492-8497.	1.3	31
63	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.	2.6	30
64	Development of an Immunosensor Based on the Exothermic Reaction between H <sub>2</sub> O and CaO Using a Common Thermometer as Readout. <i>ACS Sensors</i> , 2019, 4, 2375-2380.	4.0	30
65	A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. <i>ACS Sensors</i> , 2019, 4, 1844-1850.	4.0	30
66	Fluorescence determination of acrylamide in heat-processed foods. <i>Talanta</i> , 2014, 123, 95-100.	2.9	29
67	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. <i>Analytical Chemistry</i> , 2019, 91, 14751-14756.	3.2	29
68	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> , 2020, 12, 34716-34722.	4.0	29
69	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.	2.9	29
70	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> , 2011, 85, 339-344.	2.9	28
71	Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. <i>Analytical Methods</i> , 2013, 5, 5005.	1.3	28
72	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.	5.3	28

#	ARTICLE	IF	CITATIONS
73	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. ACS Sensors, 2019, 4, 2465-2470.	4.0	27
74	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. Mikrochimica Acta, 2020, 187, 670.	2.5	27
75	Real-Time Visualization of the Single-Nanoparticle Electrocatalytic Hydrogen Generation Process and Activity under Dark Field Microscopy. Analytical Chemistry, 2020, 92, 9016-9023.	3.2	27
76	Electrochemiluminescence biosensor for thrombin detection based on metal organic framework with electrochemiluminescence indicator embedded in the framework. Biosensors and Bioelectronics, 2021, 189, 113374.	5.3	27
77	Homogeneous Photoelectrochemical Aptasensors for Tetracycline Based on Sulfur-Doped g-C <sub>3</sub> N <sub>4</sub> /n-GaN Heterostructures Formed through Self-Assembly. Analytical Chemistry, 2022, 94, 3735-3742.	3.2	26
78	Synthesis of N-4-butylamine acridone and its use as fluorescent probe for ctDNA. Biosensors and Bioelectronics, 2009, 24, 1281-1285.	5.3	25
79	A novel fluorescent biosensor for detection of target DNA fragment from the transgene cauliflower mosaic virus 35S promoter. Biosensors and Bioelectronics, 2013, 41, 168-171.	5.3	25
80	Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenol A. Analytical and Bioanalytical Chemistry, 2017, 409, 7145-7151.	1.9	25
81	Target-triggered aggregation of gold nanoparticles for photothermal quantitative detection of adenosine using a thermometer as readout. Analytica Chimica Acta, 2020, 1110, 151-157.	2.6	25
82	A Bright Nitrogen-doped-Carbon-Dots based Fluorescent Biosensor for Selective Detection of Copper Ions. Journal of Analysis and Testing, 2021, 5, 84-92.	2.5	25
83	Photoelectrochemical Biosensor for MicroRNA-21 Based on High Photocurrent of TiO <sub>2</sub> /Two-Dimensional Coordination Polymer CuCl <sub>2</sub> (MBA) Photoelectrode. Analytical Chemistry, 2021, 93, 11010-11018.	3.2	24
84	Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. Analytical Methods, 2015, 7, 6109-6113.	1.3	23
85	Hypoglycemic Effects of a Polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels & Gilg in Alloxan-Induced Diabetic Mice. Chemistry and Biodiversity, 2018, 15, e1800070.	1.0	23
86	Fluorometric determination of the activity of inorganic pyrophosphatase and its inhibitors by exploiting the peroxidase mimicking properties of a two-dimensional metal organic framework. Mikrochimica Acta, 2019, 186, 190.	2.5	23
87	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. Talanta, 2020, 220, 121398.	2.9	22
88	Electrochemiluminescence determination of codeine or morphine with an organically modified silicate film immobilizing Ru(bpy) <sub>3</sub> <sup>2+</sup> . Luminescence, 2007, 22, 189-194.	1.5	21
89	Enantioselective analysis of melagatran via an LSPR biosensor integrated with a microfluidic chip. Lab on A Chip, 2012, 12, 3901.	3.1	21
90	Dialysis assisted ligand exchange on gold nanorods: Amplification of the performance of a lateral flow immunoassay for E. coli O157:H7. Mikrochimica Acta, 2018, 185, 350.	2.5	21

#	ARTICLE	IF	CITATIONS
91	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.	2.6	21
92	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.	2.2	20
93	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. <i>Analytica Chimica Acta</i> , 2020, 1110, 56-63.	2.6	20
94	Mechanism study on inhibited Ru(bpy) <sub>3</sub> <sup>2+</sup> electrochemiluminescence between coreactants. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12826.	1.3	19
95	A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. <i>Scientific Reports</i> , 2017, 7, 45343.	1.6	19
96	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.	2.2	19
97	Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. <i>Journal of Luminescence</i> , 2019, 207, 369-373.	1.5	19
98	A surface-enhanced electrochemiluminescence sensor based on Au-SiO <sub>2</sub> core-shell nanocomposites doped with Ru(bpy) <sub>3</sub> <sup>2+</sup> for the ultrasensitive detection of prostate-specific antigen in human serum. <i>Analyst</i> , 2020, 145, 132-138.	1.7	19
99	G-quadruplex DNA biosensor for sensitive visible detection of genetically modified food. <i>Talanta</i> , 2014, 128, 445-449.	2.9	18
100	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> , 2018, 275, 409-414.	4.0	18
101	A highly sensitive signal-on biosensor for microRNA 142-3p based on the quenching of Ru(bpy) <sub>3</sub> <sup>2+</sup> â€”TPA electrochemiluminescence by carbon dots and duplex specific nuclease-assisted target recycling amplification. <i>Chemical Communications</i> , 2020, 56, 6692-6695.	2.2	18
102	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> <sup>2+</sup> . <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7105-7111.	1.9	17
103	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.	2.5	17
104	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> , 2022, 94, 5823-5829.	3.2	17
105	Visual detection of copper(ii) based on the aggregation of gold nano-particles via click chemistry. <i>Analytical Methods</i> , 2012, 4, 612.	1.3	16
106	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. <i>Biosensors and Bioelectronics</i> , 2013, 47, 199-205.	5.3	16
107	Surface Enhanced Electrochemiluminescence Immunoassay for Highly Sensitive Detection of Disease Biomarkers in Whole Blood. <i>Electroanalysis</i> , 2016, 28, 1783-1786.	1.5	16
108	A novel method for geographical origin identification of <i>Tetrastigma hemsleyanum</i> (Sanyeqing) by near-infrared spectroscopy. <i>Analytical Methods</i> , 2018, 10, 2980-2988.	1.3	16

#	ARTICLE	IF	CITATIONS
109	Superior antibacterial activity of sulfur-doped g-C <sub>3</sub> N <sub>4</sub> nanosheets dispersed by Tetrastigma hemsleyanum Diels & Gilg's polysaccharides-3 solution. International Journal of Biological Macromolecules, 2021, 168, 453-463.	3.6	16
110	Convenient detection of H <sub>2</sub> S based on the photothermal effect of Au@Ag nanocubes using a handheld thermometer as readout. Analytica Chimica Acta, 2021, 1149, 338211.	2.6	16
111	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. Analytical Chemistry, 2022, 94, 1482-1490.	3.2	16
112	Determination of magnesium ion in serum samples by a DNAzyme-based electrochemical biosensor. Analytical Methods, 2012, 4, 947.	1.3	15
113	Highly Sensitive Homogeneous Electrochemiluminescence Biosensor for Alkaline Phosphatase Detection Based on Click Chemistry-Triggered Branched Hybridization Chain Reaction. Analytical Chemistry, 2021, 93, 10351-10357.	3.2	15
114	Electrochemiluminescence Biosensor for the Detection of the Folate Receptor in HeLa Cells Based on Hyperbranched Rolling Circle Amplification and Terminal Protection. ChemElectroChem, 2019, 6, 827-833.	1.7	14
115	Synthesis of a new Ni-phenanthroline complex and its application as an electrochemical probe for detection of nucleic acid. Biosensors and Bioelectronics, 2011, 26, 2270-2274.	5.3	13
116	Use of Fourier transform near-infrared spectroscopy combined with a relevance vector machine to discriminate Tetrastigma hemsleyanum (Sanyeqing) from other related species. Analytical Methods, 2017, 9, 4023-4027.	1.3	13
117	Enzyme-linked immunosorbent assay for aflatoxin B <sub>1</sub> using a portable pH meter as the readout. Analytical Methods, 2018, 10, 3804-3809.	1.3	13
118	Rapid detection of dibutyl phthalate in liquor by a semi-quantitative multicolor immunosensor with naked eyes as readout. Analytical Methods, 2019, 11, 524-529.	1.3	13
119	Design of an electrochemiluminescence detection system through the regulation of charge density in a microchannel. Chemical Science, 2021, 12, 13151-13157.	3.7	13
120	Properties and Applications of Intelligent Packaging Indicators for Food Spoilage. Membranes, 2022, 12, 477.	1.4	13
121	Determination of the migration of eight parabens from antibacterial plastic packaging by liquid chromatography-electrospray ionization-tandem mass spectrometry. Analytical Methods, 2014, 6, 2096.	1.3	12
122	Electrochemiluminescence Sensor for Cancer Cell Detection Based on H <sub>2</sub> O <sub>2</sub> -Triggered Stimulus Response System. Journal of Analysis and Testing, 2020, 4, 128-135.	2.5	12
123	Rapid authentication of <i>Pseudostellaria heterophylla</i> (Taizishen) from different regions by near-infrared spectroscopy combined with chemometric methods. Journal of Food Science, 2020, 85, 2004-2009.	1.5	12
124	A homogeneous photoelectrochemical hydrogen sulfide sensor based on the electronic transfer mediated by tetrasulfophthalocyanine. Analyst, The, 2020, 145, 3543-3548.	1.7	12
125	A Novel Enzyme-Responded Controlled Release Electrochemical Biosensor for Hyaluronidase Activity Detection. Journal of Analysis and Testing, 2021, 5, 69-75.	2.5	12
126	Homogeneous photoelectrochemical biosensor for microRNA based on target-responsive hydrogel coupled with exonuclease III and nicking endonuclease Nb.BbvCI assistant cascaded amplification strategy. Mikrochimica Acta, 2021, 188, 267.	2.5	11



#	ARTICLE	IF	CITATIONS
127	Multicolor hydrogen sulfide sensor for meat freshness assessment based on Cu <sup>2+</sup> -modified boron nitride nanosheets-supported subnanometer gold nanoparticles. <i>Food Chemistry</i> , 2022, 381, 132278.	4.2	11
128	Electrochemiluminescence Biosensor for Hyaluronidase Based on the Adjustable Electrostatic Interaction between the Surface-Charge-Controllable Nanoparticles and Negatively Charged Electrode. <i>ACS Sensors</i> , 2022, 7, 2012-2019.	4.0	11
129	Specific immunoreaction-induced controlled release strategy for sensitive impedance immunoassay of a cancer marker. <i>Analyst, The</i> , 2011, 136, 3869.	1.7	10
130	Preparation of novel core-shell silica particles for pH sensing using ratiometric fluorescence approach. <i>Analytical Methods</i> , 2012, 4, 1001.	1.3	10
131	Interaction of 2-(2,4-dibromophenoxy)-benzoquinone with deoxynucleosides and DNA in vitro. <i>Chemosphere</i> , 2015, 118, 29-34.	4.2	10
132	Metabolomic analysis of antimicrobial mechanism of polysaccharides from <i>Sparassis crispa</i> based on HPLC-Q-TOF/MS. <i>Carbohydrate Research</i> , 2021, 503, 108299.	1.1	10
133	Study on interaction between a new fluorescent probe 2-methylbenzo[b][1,10]phenanthroline-7(12H)-one and BSA. <i>Analyst, The</i> , 2011, 136, 973-978.	1.7	9
134	An ultrasensitive biosensor for glucose based on solid-state electrochemiluminescence on GOx/CdS/GCE electrode. <i>Analytical Methods</i> , 2013, 5, 1941.	1.3	9
135	Prussian blue-doped nanogold microspheres for enzyme-free electrocatalytic immunoassay of p53 protein. <i>Mikrochimica Acta</i> , 2014, 181, 581-588.	2.5	9
136	Determination of flumioxazin residue in food samples through a sensitive fluorescent sensor based on click chemistry. <i>Food Chemistry</i> , 2014, 162, 242-246.	4.2	9
137	In situ synthesis of protein-resistant poly(oligo(ethylene glycol)methacrylate) films in capillary for protein separation. <i>RSC Advances</i> , 2014, 4, 4883.	1.7	9
138	A reusable and portable immunosensor using personal glucose meter as transducer. <i>Analytical Methods</i> , 2014, 6, 5264-5268.	1.3	9
139	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.	2.5	9
140	Terminal protection G-quadruplex-based turn-on fluorescence biosensor for H5N1 antibody. <i>Analytical Methods</i> , 2012, 4, 3425.	1.3	8
141	Formation and characterization of glutathione adducts derived from polybrominated diphenyl ethers. <i>Chemosphere</i> , 2015, 120, 365-370.	4.2	8
142	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.	2.5	8
143	Single nanoparticle identification coupled with auto-identify algorithm for rapid and accurate detection of L-histidine. <i>Analytica Chimica Acta</i> , 2021, 1187, 339162.	2.6	8
144	Chemiluminescent sensor for hydrogen sulfide in rat brain microdialysis based on target-induced horseradish peroxidase deactivation. <i>Analytical Methods</i> , 2019, 11, 3085-3089.	1.3	7

#	ARTICLE	IF	CITATIONS
145	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.	2.6	6
146	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> , 2021, 1181, 338929.	2.6	6
147	Controllable release ratiometric fluorescent sensor for hyaluronidase via the combination of Cu <sup>2+</sup> -Fe-N-C nanozymes and degradable intelligent hydrogel. <i>Talanta</i> , 2022, 237, 122961.	2.9	5
148	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> , 2022, 353, 131163.	4.0	5
149	Toehold-mediated strand displacement coupled with single nanoparticle dark-field microscopy imaging for ultrasensitive biosensing. <i>Nanoscale</i> , 2022, 14, 3496-3503.	2.8	5
150	Electrochemiluminescence Aptasensor for Charged Targets through the Direct Regulation of Charge Density in Microchannels. <i>Analytical Chemistry</i> , 2021, 93, 17127-17133.	3.2	5
151	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.	1.3	4
152	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.	1.3	4
153	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> , 0, , .	1.5	4
154	Quick preparation of water-soluble perovskite nanocomposite via cetyltrimethylammonium bromide and its application. <i>Mikrochimica Acta</i> , 2022, 189, 68.	2.5	4
155	Electrochemiluminescent Detection Method for Glyphosate in Soybean on Carbon Fiber-Ionic Liquid Paste Electrode. <i>Chinese Journal of Chemistry</i> , 2011, 29, 581-586.	2.6	3
156	Fluorescence probe techniques to study the interaction between hydroxylated polybrominated diphenyl ethers (OH-PBDEs) and protein disulfide isomerase (PDI). <i>Analytical Methods</i> , 2014, 6, 8106-8109.	1.3	3
157	Highly sensitive electrochemiluminescence biosensor for Dam methyltransferase based on target-response DNA hydrogel. <i>Journal of Luminescence</i> , 2021, 238, 118250.	1.5	3
158	A Ratiometric Fluorescence Probe for Selective Detection of ex vivo Methylglyoxal in Diabetic Mice. <i>ChemistryOpen</i> , 2022, 11, e202200055.	0.9	3
159	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> , 2011, 29, 2148-2152.	2.6	2
160	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.	1.3	2
161	Convenient hyaluronidase biosensors based on the target-trigger enhancing of the permeability of a membrane using an electronic balance as a readout. <i>Analyst</i> , The, 2021, 146, 3299-3304.	1.7	2
162	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> , 2021, 37, 1349-1353.	0.8	2

#	ARTICLE	IF	CITATIONS
163	An algorithm-assisted automated identification and enumeration system for sensitive hydrogen sulfide sensing under dark field microscopy. <i>Analyst, The</i> , 2022, 147, 1492-1498.	1.7	2
164	A multicolor biosensor for alkaline phosphatase activity detection based on the peroxidase activity of copper nanoclusters and etching of gold nanorods. <i>Analyst, The</i> , 2022, 147, 2749-2756.	1.7	2
165	Molecular Interaction Kinetics and Mechanism Study of Phytohormones and Plant Protein with Fluorescence and Synchronous Fluorescence Techniques. <i>ChemistrySelect</i> , 2017, 2, 3993-4000.	0.7	1
166	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.	1.3	1
167	Metallic Nanomaterials with Mimic Oxidoreductase Enzyme Activity: New Insight for Sensing and Biosensing. <i>Mini-Reviews in Organic Chemistry</i> , 2022, 19, 231-241.	0.6	1
168	Electrochemiluminescence biosensor for HPV16 detection based on the adjusting of steric hindrance effect coupled with Exonuclease III amplification strategy. <i>Bioelectrochemistry</i> , 2022, 146, 108149.	2.4	1
169	A novel signal enhancement strategy for the detection of DNA oxidative damage biomarker 8-OHdG based on the synergy between $\text{I}^2\text{-CD-CuNCs}$ and multi-walled carbon nanotubes.. <i>American Journal of Translational Research (discontinued)</i> , 2022, 14, 740-751.	0.0	0