Longhua Guo

List of Publications by Year
in descending order

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213 papers	8,668 citations	41344 49 h-index	62596 80 g-index
213 all docs	213 docs citations	213 times ranked	9322 citing authors

#	Article	IF	Citations
1	Flexible and Adhesive Surface Enhance Raman Scattering Active Tape for Rapid Detection of Pesticide Residues in Fruits and Vegetables. Analytical Chemistry, 2016, 88, 2149-2155.	6.5	369
2	Strategies for enhancing the sensitivity of plasmonic nanosensors. Nano Today, 2015, 10, 213-239.	11.9	356
3	Metalâ€“organic framework (MOF): a novel sensing platform for biomolecules. Chemical Communications, 2013, 49, 1276.	4.1	339
4	Oriented Gold Nanoparticle Aggregation for Colorimetric Sensors with Surprisingly High Analytical Figures of Merit. Journal of the American Chemical Society, 2013, 135, 12338-12345.	13.7	305
5	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. Analytical Chemistry, 2017, 89, 1617-1623.	6.5	190
6	Surface-Enhanced Electrochemiluminescence of Ru@SiO₂ for Ultrasensitive Detection of Carcinoembryonic Antigen. Analytical Chemistry, 2015, 87, 5966-5972.	6.5	156
7	Comprehensive Analysis of the PD-L1 and Immune Infiltrates of m6A RNA Methylation Regulators in Head and Neck Squamous Cell Carcinoma. Molecular Therapy - Nucleic Acids, 2020, 21, 299-314.	5.1	143
8	Noble Metal Nanoparticle-Based Multicolor Immunoassays: An Approach toward Visual Quantification of the Analytes with the Naked Eye. ACS Sensors, 2019, 4, 782-791.	7.8	128
9	Gold Nanorods as Colorful Chromogenic Substrates for Semiquantitative Detection of Nucleic Acids, Proteins, and Small Molecules with the Naked Eye. Analytical Chemistry, 2016, 88, 3227-3234.	6.5	123
10	Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. Analytical Chemistry, 2018, 90, 6222-6228.	6.5	120
11	Highly Selective and Sensitive Electrochemiluminescence Biosensor for p53 DNA Sequence Based on Nicking Endonuclease Assisted Target Recycling and Hyperbranched Rolling Circle Amplification. Analytical Chemistry, 2016, 88, 5097-5103.	6.5	118
12	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. Biosensors and Bioelectronics, 2017, 87, 122-128.	10.1	115
13	Metalâ€“organic frameworks-based biosensor for sequence-specific recognition of double-stranded DNA. Analyst, The, 2013, 138, 3490.	3.5	109
14	Ultraselective Homogeneous Electrochemical Biosensor for DNA Species Related to Oral Cancer Based on Nicking Endonuclease Assisted Target Recycling Amplification. Analytical Chemistry, 2015, 87, 9204-9208.	6.5	100
15	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. Biosensors and Bioelectronics, 2015, 68, 475-480.	10.1	97
16	Electrochemiluminescence biosensor for ultrasensitive determination of ochratoxin A in corn samples based on aptamer and hyperbranched rolling circle amplification. Biosensors and Bioelectronics, 2015, 70, 268-274.	10.1	97
17	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. ACS Sensors, 2019, 4, 1252-1260.	7.8	94
18	Facile synthesis of Fe 3 O 4 /g-C 3 N 4 /HKUST-1 composites as a novel biosensor platform for ochratoxin A. Biosensors and Bioelectronics, 2017, 92, 718-723.	10.1	93

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19	A sensing platform for hypoxanthine detection based on amino-functionalized metal organic framework nanosheet with peroxidase mimic and fluorescence properties. Sensors and Actuators B: Chemical, 2018, 267, 312-319.	7.8	86
20	Fluorescence biosensor for the H5N1 antibody based on a metalâ€“organic framework platform. Journal of Materials Chemistry B, 2013, 1, 1812.	5.8	85
21	Detection of aflatoxin B1 in food samples based on target-responsive aptamer-cross-linked hydrogel using a handheld pH meter as readout. Talanta, 2018, 176, 34-39.	5.5	85
22	LSPR biomolecular assay with high sensitivity induced by aptamerâ€“antigenâ€“antibody sandwich complex. Biosensors and Bioelectronics, 2012, 31, 567-570.	10.1	84
23	Solid-Phase Colorimetric Sensor Based on Gold Nanoparticle-Loaded Polymer Brushes: Lead Detection as a Case Study. Analytical Chemistry, 2013, 85, 4094-4099.	6.5	84
24	Three-Dimensionally Assembled Gold Nanostructures for Plasmonic Biosensors. Analytical Chemistry, 2010, 82, 5147-5153.	6.5	83
25	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. Analytical Chemistry, 2019, 91, 3717-3724.	6.5	80
26	Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr₃ Quantum Dots. Analytical Chemistry, 2019, 91, 15915-15921.	6.5	79
27	An electrochemiluminescence biosensor for Kras mutations based on locked nucleic acid functionalized DNA walkers and hyperbranched rolling circle amplification. Chemical Communications, 2017, 53, 2910-2913.	4.1	75
28	Highly stable and sensitive glucose biosensor based on covalently assembled high density Au nanostructures. Biosensors and Bioelectronics, 2011, 26, 3845-3851.	10.1	72
29	Multicolor biosensor for fish freshness assessment with the naked eye. Sensors and Actuators B: Chemical, 2017, 252, 201-208.	7.8	72
30	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. Biosensors and Bioelectronics, 2016, 75, 8-14.	10.1	69
31	Mechanism for inhibition of Ru(bpy)32+/DBAE electrochemiluminescence system by dopamine. Electrochemistry Communications, 2009, 11, 1579-1582.	4.7	68
32	DNA Methylation Detection and Inhibitor Screening Based on the Discrimination of the Aggregation of Long and Short DNA on a Negatively Charged Indium Tin Oxide Microelectrode. Analytical Chemistry, 2014, 86, 3563-3567.	6.5	68
33	Synthesis of a novel fluorescent probe useful for DNA detection. Biosensors and Bioelectronics, 2007, 22, 2629-2635.	10.1	67
34	Homogeneous Electrochemical Biosensor for Melamine Based on DNA Triplex Structure and Exonuclease III-Assisted Recycling Amplification. Analytical Chemistry, 2016, 88, 10176-10182.	6.5	67
35	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. Analytical Chemistry, 2015, 87, 11826-11831.	6.5	66
36	Multicolor Colormetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. Scientific Reports, 2016, 6, 37879.	3.3	66

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37	Nanoarray-Based Biomolecular Detection Using Individual Au Nanoparticles with Minimized Localized Surface Plasmon Resonance Variations. Analytical Chemistry, 2011, 83, 2605-2612.	6.5	64
38	Distanceâ€Mediated Plasmonic Dimers for Reusable Colorimetric Switches: A Measurable Peak Shift of More than 60 nm. Small, 2013, 9, 234-240.	10.0	61
39	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe (m-CDs@[Ru(bpy)₃]²⁺) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. ACS Sensors, 2017, 2, 1684-1691.	7.8	61
40	Sensitive fluorescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. Chemical Communications, 2012, 48, 6184.	4.1	59
41	Homogeneous electrochemical aptasensor for mucin 1 detection based on exonuclease I-assisted target recycling amplification strategy. Biosensors and Bioelectronics, 2018, 117, 474-479.	10.1	59
42	Targets regulated formation of boron nitride quantum dots â€“ Gold nanoparticles nanocomposites for ultrasensitive detection of acetylcholinesterase activity and its inhibitors. Sensors and Actuators B: Chemical, 2019, 279, 61-68.	7.8	59
43	Surface Enhanced Electrochemiluminescence of Ru(bpy)32+. Scientific Reports, 2015, 5, 7954.	3.3	58
44	Structural characterization, hypoglycemic effects and mechanism of a novel polysaccharide from Tetrastigma hemsleyanum Diels et Gilg. International Journal of Biological Macromolecules, 2019, 123, 775-783.	7.5	58
45	Cu²⁺-Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. Analytical Chemistry, 2020, 92, 1236-1244.	6.5	58
46	Influence of Ionic Strength and Surfactant Concentration on Electrostatic Surfacial Assembly of Cetyltrimethylammonium Bromide-Capped Gold Nanorods on Fully Immersed Glass. Langmuir, 2010, 26, 12433-12442.	3.5	56
47	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. Biosensors and Bioelectronics, 2015, 63, 166-171.	10.1	55
48	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. Analytical Chemistry, 2018, 90, 1087-1091.	6.5	53
49	Highly sensitive determination of 4-nitrophenol with coumarin-based fluorescent molecularly imprinted poly (ionic liquid). Journal of Hazardous Materials, 2020, 398, 122854.	12.4	53
50	On-spot surface enhanced Raman scattering detection of Aflatoxin B1 in peanut extracts using gold nanobipyramids evenly trapped into the AAO nanoholes. Food Chemistry, 2020, 307, 125528.	8.2	52
51	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. ACS Applied Materials & Interfaces, 2020, 12, 30085-30094.	8.0	51
52	Fluorometric Method for Inorganic Pyrophosphatase Activity Detection and Inhibitor Screening Based on Click Chemistry. Analytical Chemistry, 2015, 87, 816-820.	6.5	50
53	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. Analytical Methods, 2015, 7, 842-845.	2.7	50
54	Polysaccharides from Tetrastigma hemsleyanum Diels et Gilg: Extraction optimization, structural characterizations, antioxidant and antihyperlipidemic activities in hyperlipidemic mice. International Journal of Biological Macromolecules, 2019, 125, 1033-1041.	7.5	50

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55	Electrochemical determination of rutin based on molecularly imprinted poly (ionic liquid) with ionic liquid-graphene as a sensitive element. Sensors and Actuators B: Chemical, 2020, 311, 127911.	7.8	50
56	Facile fabrication of distance-tunable Au-nanorod chips for single-nanoparticle plasmonic biosensors. Biosensors and Bioelectronics, 2011, 26, 2246-2251.	10.1	49
57	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. Biosensors and Bioelectronics, 2014, 55, 412-416.	10.1	49
58	A fluorescent probe for detection of histidine in cellular homogenate and ovalbumin based on the strategy of clickchemistry. Biosensors and Bioelectronics, 2013, 42, 332-336.	10.1	47
59	Homogeneous and label-free electrochemiluminescence aptasensor based on the difference of electrostatic interaction and exonuclease-assisted target recycling amplification. Biosensors and Bioelectronics, 2018, 105, 182-187.	10.1	47
60	Fluorescence sensor for Cu(<scp>ii</scp>) in the serum sample based on click chemistry. Analyst, The, 2014, 139, 656-659.	3.5	46
61	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. Analytica Chimica Acta, 2018, 1002, 90-96.	5.4	44
62	Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg2+. Electrochimica Acta, 2014, 150, 123-128.	5.2	43
63	Interesting optical variations of the etching of Au Nanobipyramid@Ag Nanorods and its application as a colorful chromogenic substrate for immunoassays. Sensors and Actuators B: Chemical, 2018, 267, 502-509.	7.8	43
64	Enzyme-free multicolor biosensor based on Cu2+-modified carbon nitride nanosheets and gold nanobipyramids for sensitive detection of neuron specific enolase. Sensors and Actuators B: Chemical, 2019, 283, 138-145.	7.8	43
65	Boron nitride nanosheets as a platform for fluorescence sensing. Talanta, 2017, 174, 365-371.	5.5	42
66	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. Materials Chemistry Frontiers, 2018, 2, 835-860.	5.9	42
67	Signal-on electrochemiluminescence aptasensor for bïï»¿sï»¿pï»¿hï»¿eï»¿nï»¿oï»¿lï»¿ ï»¿A based on hybridization chain reaction and electrically heated electrode. Biosensors and Bioelectronics, 2019, 129, 36-41.	10.1	42
68	Antibacterial mechanism of Tetrastigma hemsleyanum Diels et Gilg's polysaccharides by metabolomics based on HPLC/MS. International Journal of Biological Macromolecules, 2019, 140, 206-215.	7.5	40
69	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. Analytica Chimica Acta, 2017, 963, 112-118.	5.4	38
70	Synthesis and investigation on the interaction with calf thymus deoxyribonucleic acid of a novel fluorescent probe 7-oxobenzo[b][1,10]phenanthroline-12(7H)-sulfonic acid. Analytica Chimica Acta, 2007, 588, 123-130.	5.4	37
71	Electrochemical biosensor for epidermal growth factor receptor detection with peptide ligand. Electrochimica Acta, 2013, 109, 233-237.	5.2	37
72	Highly sensitive visual detection of Avian Influenza A (H7N9) virus based on the enzyme-induced metallization. Biosensors and Bioelectronics, 2016, 79, 874-880.	10.1	37

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73	Sensing of Hydrogen Sulfide Gas in the Raman-Silent Region Based on Gold Nano-Bipyramids (Au NBPs) Encapsulated by Zeolitic Imidazolate Framework-8. ACS Sensors, 2020, 5, 3964-3970.	7.8	37
74	Multilayered Polypyrrole-Coated Carbon Nanotubes To Improve Functional Stability and Electrical Properties of Neural Electrodes. Journal of Physical Chemistry C, 2011, 115, 5492-5499.	3.1	36
75	Adsorption removal of crystal violet from aqueous solution using a metalâ€organic frameworks material, copper coordination polymer with dithiooxamide. Journal of Applied Polymer Science, 2013, 129, 2857-2864.	2.6	36
76	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. Analyst, The, 2016, 141, 2970-2976.	3.5	36
77	Highly active 3-dimensional cobalt oxide nanostructures on the flexible carbon substrates for enzymeless glucose sensing. Analyst, The, 2017, 142, 4299-4307.	3.5	36
78	In situ assembly, regeneration and plasmonic immunosensing of a Au nanorod monolayer in a closed-surface flow channel. Lab on A Chip, 2011, 11, 3299.	6.0	35
79	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. Biosensors and Bioelectronics, 2014, 58, 226-231.	10.1	35
80	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. Scientific Reports, 2016, 6, 32755.	3.3	35
81	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. Analytical Chemistry, 2019, 91, 11821-11826.	6.5	35
82	Label-free homogeneous electrochemical biosensor for HPV DNA based on entropy-driven target recycling and hyperbranched rolling circle amplification. Sensors and Actuators B: Chemical, 2020, 320, 128407.	7.8	35
83	Highly Reproducible and Sensitive Electrochemiluminescence Biosensors for HPV Detection Based on Bovine Serum Albumin Carrier Platforms and Hyperbranched Rolling Circle Amplification. ACS Applied Materials & Interfaces, 2021, 13, 298-305.	8.0	35
84	Capillary electrophoresis with electrochemiluminescence detection: fundamental theory, apparatus, and applications. Analytical and Bioanalytical Chemistry, 2011, 399, 3323-3343.	3.7	34
85	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. Biosensors and Bioelectronics, 2018, 121, 153-158.	10.1	33
86	Capillary Electrophoresis with Electrochemiluminescent Detection for Highly Sensitive Assay of Genetically Modified Organisms. Analytical Chemistry, 2009, 81, 9578-9584.	6.5	32
87	An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. Chemical Communications, 2013, 49, 10115.	4.1	32
88	A novel fluorescent sensor for mutational p53 DNA sequence detection based on click chemistry. Biosensors and Bioelectronics, 2013, 41, 403-408.	10.1	32
89	Signal on fluorescence biosensor for MMP-2 based on FRET between semiconducting polymer dots and a metal organic framework. RSC Advances, 2014, 4, 58852-58857.	3.6	32
90	Reusable plasmonic aptasensors: using a single nanoparticle to establish a calibration curve and to detect analytes. Chemical Communications, 2011, 47, 7125.	4.1	31

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91	An electrochemical sensing platform structured with carbon nanohorns for detecting some food borne contaminants. Electrochimica Acta, 2013, 111, 57-63.	5.2	31
92	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. Biosensors and Bioelectronics, 2016, 86, 496-501.	10.1	31
93	Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO₂ nanosheets and catalytic hairpin assembly amplification. Analytical Methods, 2016, 8, 8492-8497.	2.7	31
94	Integrative stemness characteristics associated with prognosis and the immune microenvironment in esophageal cancer. Pharmacological Research, 2020, 161, 105144.	7.1	31
95	A novel composite of conductive metal organic framework and molecularly imprinted poly (ionic) Tj ETQq1 1 0.784314 rgBT /Overlock Chemical, 2021, 339, 129885.	7.8	31
96	Highly reproducible ratiometric aptasensor based on the ratio of amplified electrochemiluminescence signal and stable internal reference electrochemical signal. Electrochimica Acta, 2018, 283, 798-805.	5.2	30
97	Development of an Immunosensor Based on the Exothermic Reaction between H₂O and CaO Using a Common Thermometer as Readout. ACS Sensors, 2019, 4, 2375-2380.	7.8	30
98	A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. ACS Sensors, 2019, 4, 1844-1850.	7.8	30
99	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. Analytical Chemistry, 2019, 91, 14751-14756.	6.5	29
100	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. Talanta, 2020, 214, 120862.	5.5	29
101	Ultrahigh Efficient FRET Ratiometric Fluorescence Biosensor for Visual Detection of Alkaline Phosphatase Activity and Its Inhibitor. ACS Sustainable Chemistry and Engineering, 2021, 9, 12922-12929.	6.7	29
102	Mechanism study on inorganic oxidants induced inhibition of Ru(bpy)32+ electrochemiluminescence and its application for sensitive determination of some inorganic oxidants. Talanta, 2011, 85, 339-344.	5.5	28
103	Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. Analytical Methods, 2013, 5, 5005.	2.7	28
104	A fluorescence signal amplification and specific energy transfer strategy for sensitive detection of Î²-galactosidase based on the effects of AIE and host-guest recognition. Biosensors and Bioelectronics, 2020, 169, 112655.	10.1	28
105	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. ACS Sensors, 2019, 4, 2465-2470.	7.8	27
106	Highly sensitive enzyme-free amperometric sensing of hydrogen peroxide in real samples based on Co₃O₄nanocolumn structures. Analytical Methods, 2019, 11, 2292-2302.	2.7	27
107	Real-Time Visualization of the Single-Nanoparticle Electrocatalytic Hydrogen Generation Process and Activity under Dark Field Microscopy. Analytical Chemistry, 2020, 92, 9016-9023.	6.5	27
108	A portable chemical sensor for histidine based on the strategy ofclick chemistry. Biosensors and Bioelectronics, 2014, 51, 386-390.	10.1	26

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109	Synthesis of N-4-butylamine acridone and its use as fluorescent probe for ctDNA. Biosensors and Bioelectronics, 2009, 24, 1281-1285.	10.1	25
110	Colorimetric and fluorometric dual-readout sensor for lysozyme. Analyst, The, 2013, 138, 6517.	3.5	25
111	Single plasmonic nanoparticles for ultrasensitive DNA sensing: From invisible to visible. Biosensors and Bioelectronics, 2016, 79, 266-272.	10.1	25
112	Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenolÂA. Analytical and Bioanalytical Chemistry, 2017, 409, 7145-7151.	3.7	25
113	Enhanced performance of a hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ochratoxin A using an electrically heated indium tin oxide electrode. Electrochemistry Communications, 2018, 88, 75-78.	4.7	25
114	Target-triggered aggregation of gold nanoparticles for photothermal quantitative detection of adenosine using a thermometer as readout. Analytica Chimica Acta, 2020, 1110, 151-157.	5.4	25
115	A Bright Nitrogen-doped-Carbon-Dots based Fluorescent Biosensor for Selective Detection of Copper Ions. Journal of Analysis and Testing, 2021, 5, 84-92.	5.1	25
116	Labelâ€free aptamerâ€based partial filling technique for enantioseparation and determination of <scp>dl</scp>â€tryptophan with micellar electrokinetic chromatography. Electrophoresis, 2013, 34, 254-259.	2.4	24
117	A single-nanoparticle NO₂ gas sensor constructed using active molecular plasmonics. Chemical Communications, 2015, 51, 1326-1329.	4.1	24
118	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. Langmuir, 2016, 32, 8557-8564.	3.5	24
119	Photoelectrochemical Biosensor for MicroRNA-21 Based on High Photocurrent of TiO₂/Two-Dimensional Coordination Polymer CuCl_x(MBA)_y Photoelectrode. Analytical Chemistry, 2021, 93, 11010-11018.	6.5	24
120	Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. Analytical Methods, 2015, 7, 6109-6113.	2.7	23
121	Hypoglycemic Effects of a Polysaccharide from Tetrastigma hemsleyanum <scp>Diels</scp> & <scp>Gilg</scp> in Alloxanâ€induced Diabetic Mice. Chemistry and Biodiversity, 2018, 15, e1800070.	2.1	23
122	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.	5.0	23
123	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.	5.5	22
124	Enantioselective analysis of melagatran via an LSPR biosensor integrated with a microfluidic chip. Lab on A Chip, 2012, 12, 3901.	6.0	21
125	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.	5.0	21
126	A calcium alginate sponge with embedded gold nanoparticles as a flexible SERS substrate for direct analysis of pollutant dyes. Mikrochimica Acta, 2019, 186, 64.	5.0	21

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127	Fluorescence biosensor for DNA methyltransferase activity and related inhibitor detection based on methylation-sensitive cleavage primer triggered hyperbranched rolling circle amplification. Analytica Chimica Acta, 2020, 1122, 1-8.	5.4	21
128	Direct growth of highly branched crystalline Au nanostructures on an electrode surface: their surface enhanced Raman scattering and electrocatalytic applications. Journal of Materials Chemistry, 2011, 21, 18271.	6.7	20
129	Logic gates for multiplexed analysis of Hg2+ and Ag+. Analyst, The, 2012, 137, 2687.	3.5	20
130	Direct visualization of sub-femtomolar circulating microRNAs in serum based on the duplex-specific nuclease-amplified oriented assembly of gold nanoparticle dimers. Chemical Communications, 2016, 52, 11347-11350.	4.1	20
131	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. Analytica Chimica Acta, 2020, 1110, 56-63.	5.4	20
132	Semi-quantitative detection of p-Aminophenol in real samples with colorfully naked-eye assay. Sensors and Actuators B: Chemical, 2021, 334, 129604.	7.8	20
133	Mechanism study on inhibited Ru(bpy)32+ electrochemiluminescence between coreactants. Physical Chemistry Chemical Physics, 2010, 12, 12826.	2.8	19
134	A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. Scientific Reports, 2017, 7, 45343.	3.3	19
135	DNAzyme-based Y-shaped label-free electrochemiluminescent biosensor for lead using electrically heated indium-tin-oxide electrode for in situ temperature control. Sensors and Actuators B: Chemical, 2019, 289, 78-84.	7.8	19
136	An ultrasensitive electrochemiluminescence biosensor for nuclear factor kappa B p50 based on the proximity hybridization-induced hybridization chain reaction. Chemical Communications, 2019, 55, 12980-12983.	4.1	19
137	Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. Journal of Luminescence, 2019, 207, 369-373.	3.1	19
138	A surface-enhanced electrochemiluminescence sensor based on Au-SiO₂ coreâ€“shell nanocomposites doped with Ru(bpy)₃²⁺ for the ultrasensitive detection of prostate-specific antigen in human serum. Analyst, The, 2020, 145, 132-138.	3.5	19
139	Electrochemiluminescence biosensor for hyaluronidase activity detection and inhibitor assay based on the electrostatic interaction between hyaluronic acid and Ru(bpy)32+. Sensors and Actuators B: Chemical, 2018, 275, 409-414.	7.8	18
140	A highly sensitive signal-on biosensor for microRNA 142-3p based on the quenching of Ru(bpy)₃²⁺â€“TPA electrochemiluminescence by carbon dots and duplex specific nuclease-assisted target recycling amplification. Chemical Communications, 2020, 56, 6692-6695.	4.1	18
141	Using multiple PCR and CE with chemiluminescence detection for simultaneous qualitative and quantitative analysis of genetically modified organism. Electrophoresis, 2008, 29, 3801-3809.	2.4	17
142	A new metal electrocatalysts supported matrix: Palladium nanoparticles supported silicon carbide nanoparticles and its application for alcohol electrooxidation. Electrochimica Acta, 2012, 85, 644-649.	5.2	17
143	Label-free electrochemiluminescence biosensor for ultrasensitive detection of telomerase activity in HeLa cells based on extension reaction and intercalation of Ru(phen)3 2+. Analytical and Bioanalytical Chemistry, 2016, 408, 7105-7111.	3.7	17
144	Rapid synthesis of a highly active and uniform 3-dimensional SERS substrate for on-spot sensing of dopamine. Mikrochimica Acta, 2019, 186, 260.	5.0	17

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145	Visual detection of copper(ii) based on the aggregation of gold nano-particles via click chemistry. Analytical Methods, 2012, 4, 612.	2.7	16
146	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. Biosensors and Bioelectronics, 2013, 47, 199-205.	10.1	16
147	Surface Enhanced Electrochemiluminescence Immunoassay for Highly Sensitive Detection of Disease Biomarkers in Whole Blood. Electroanalysis, 2016, 28, 1783-1786.	2.9	16
148	Superior antibacterial activity of sulfur-doped g-C3N4 nanosheets dispersed by Tetrastigma hemsleyanum Diels & Gilg's polysaccharides-3 solution. International Journal of Biological Macromolecules, 2021, 168, 453-463.	7.5	16
149	Capillary electrophoresis chemiluminescent detection system equipped with a twoâ€step postcolumn flow interface for detection of some enkephalinâ€related peptides labeled with acridinium ester. Electrophoresis, 2008, 29, 2348-2355.	2.4	15
150	Novel imidazole fluorescent poly(ionic liquid) nanoparticles for selective and sensitive determination of pyrogallol. Talanta, 2017, 174, 198-205.	5.5	15
151	Highly sensitive electrochemical immunosensor for golgi protein 73 based on proximity ligation assay and enzyme-powered recycling amplification. Analytica Chimica Acta, 2018, 1040, 150-157.	5.4	15
152	Highly Sensitive Homogeneous Electrochemiluminescence Biosensor for Alkaline Phosphatase Detection Based on Click Chemistry-Triggered Branched Hybridization Chain Reaction. Analytical Chemistry, 2021, 93, 10351-10357.	6.5	15
153	Surface-Enhanced Electrochemiluminescence Imaging for Multiplexed Immunoassays of Cancer Markers in Exhaled Breath Condensates. Analytical Chemistry, 2022, 94, 7492-7499.	6.5	15
154	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.	3.4	14
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