# Longhua Guo

List of Publications by Year
in descending order

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|---|---|---|---|
| 213 papers | 8,668 citations | 47409 49 h-index | 71088 80 g-index |
| 213 all docs | 213 docs citations | 213 times ranked | 10417 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. | 3.2 | 369 |
| 2 | Strategies for enhancing the sensitivity of plasmonic nanosensors. Nano Today, 2015, 10, 213-239. | 6.2 | 356 |
| 3 | Metalâ€“organic framework (MOF): a novel sensing platform for biomolecules. Chemical Communications, 2013, 49, 1276. | 2.2 | 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. | 6.6 | 305 |
| 5 | Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. Analytical Chemistry, 2017, 89, 1617-1623. | 3.2 | 190 |
| 6 | Surface-Enhanced Electrochemiluminescence of Ru@SiO<sub>2</sub> for Ultrasensitive Detection of Carcinoembryonic Antigen. Analytical Chemistry, 2015, 87, 5966-5972. | 3.2 | 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. | 2.3 | 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. | 4.0 | 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. | 3.2 | 123 |
| 10 | Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. Analytical Chemistry, 2018, 90, 6222-6228. | 3.2 | 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. | 3.2 | 118 |
| 12 | A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. Biosensors and Bioelectronics, 2017, 87, 122-128. | 5.3 | 115 |
| 13 | Metalâ€“organic frameworks-based biosensor for sequence-specific recognition of double-stranded DNA. Analyst, The, 2013, 138, 3490. | 1.7 | 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. | 3.2 | 100 |
| 15 | Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. Biosensors and Bioelectronics, 2015, 68, 475-480. | 5.3 | 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. | 5.3 | 97 |
| 17 | Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. ACS Sensors, 2019, 4, 1252-1260. | 4.0 | 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. | 5.3 | 93 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 4.0 | 86 |
| 20 | Fluorescence biosensor for the H5N1 antibody based on a metalâ€“organic framework platform. Journal of Materials Chemistry B, 2013, 1, 1812. | 2.9 | 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. | 2.9 | 85 |
| 22 | LSPR biomolecular assay with high sensitivity induced by aptamerâ€“antigenâ€“antibody sandwich complex. Biosensors and Bioelectronics, 2012, 31, 567-570. | 5.3 | 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. | 3.2 | 84 |
| 24 | Three-Dimensionally Assembled Gold Nanostructures for Plasmonic Biosensors. Analytical Chemistry, 2010, 82, 5147-5153. | 3.2 | 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. | 3.2 | 80 |
| 26 | Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr<sub>3</sub> Quantum Dots. Analytical Chemistry, 2019, 91, 15915-15921. | 3.2 | 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. | 2.2 | 75 |
| 28 | Highly stable and sensitive glucose biosensor based on covalently assembled high density Au nanostructures. Biosensors and Bioelectronics, 2011, 26, 3845-3851. | 5.3 | 72 |
| 29 | Multicolor biosensor for fish freshness assessment with the naked eye. Sensors and Actuators B: Chemical, 2017, 252, 201-208. | 4.0 | 72 |
| 30 | Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. Biosensors and Bioelectronics, 2016, 75, 8-14. | 5.3 | 69 |
| 31 | Mechanism for inhibition of Ru(bpy)32+/DBAE electrochemiluminescence system by dopamine. Electrochemistry Communications, 2009, 11, 1579-1582. | 2.3 | 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. | 3.2 | 68 |
| 33 | Synthesis of a novel fluorescent probe useful for DNA detection. Biosensors and Bioelectronics, 2007, 22, 2629-2635. | 5.3 | 67 |
| 34 | Homogeneous Electrochemical Biosensor for Melamine Based on DNA Triplex Structure and Exonuclease III-Assisted Recycling Amplification. Analytical Chemistry, 2016, 88, 10176-10182. | 3.2 | 67 |
| 35 | Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. Analytical Chemistry, 2015, 87, 11826-11831. | 3.2 | 66 |
| 36 | Multicolor Colormetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. Scientific Reports, 2016, 6, 37879. | 1.6 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Nanoarray-Based Biomolecular Detection Using Individual Au Nanoparticles with Minimized Localized Surface Plasmon Resonance Variations. Analytical Chemistry, 2011, 83, 2605-2612. | 3.2 | 64 |
| 38 | Distanceâ€Mediated Plasmonic Dimers for Reusable Colorimetric Switches: A Measurable Peak Shift of More than 60 nm. Small, 2013, 9, 234-240. | 5.2 | 61 |
| 39 | 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. ACS Sensors, 2017, 2, 1684-1691. | 4.0 | 61 |
| 40 | Sensitive fluorescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. Chemical Communications, 2012, 48, 6184. | 2.2 | 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. | 5.3 | 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. | 4.0 | 59 |
| 43 | Surface Enhanced Electrochemiluminescence of Ru(bpy)32+. Scientific Reports, 2015, 5, 7954. | 1.6 | 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. | 3.6 | 58 |
| 45 | Cu<sup>2+</sup>-Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. Analytical Chemistry, 2020, 92, 1236-1244. | 3.2 | 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. | 1.6 | 56 |
| 47 | Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. Biosensors and Bioelectronics, 2015, 63, 166-171. | 5.3 | 55 |
| 48 | A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. Analytical Chemistry, 2018, 90, 1087-1091. | 3.2 | 53 |
| 49 | Highly sensitive determination of 4-nitrophenol with coumarin-based fluorescent molecularly imprinted poly (ionic liquid). Journal of Hazardous Materials, 2020, 398, 122854. | 6.5 | 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. | 4.2 | 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. | 4.0 | 51 |
| 52 | Fluorometric Method for Inorganic Pyrophosphatase Activity Detection and Inhibitor Screening Based on Click Chemistry. Analytical Chemistry, 2015, 87, 816-820. | 3.2 | 50 |
| 53 | Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. Analytical Methods, 2015, 7, 842-845. | 1.3 | 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. | 3.6 | 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. | 4.0 | 50 |
| 56 | Facile fabrication of distance-tunable Au-nanorod chips for single-nanoparticle plasmonic biosensors. Biosensors and Bioelectronics, 2011, 26, 2246-2251. | 5.3 | 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. | 5.3 | 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. | 5.3 | 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. | 5.3 | 47 |
| 60 | Fluorescence sensor for Cu(<scp>ii</scp>) in the serum sample based on click chemistry. Analyst, The, 2014, 139, 656-659. | 1.7 | 46 |
| 61 | Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. Analytica Chimica Acta, 2018, 1002, 90-96. | 2.6 | 44 |
| 62 | Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg2+. Electrochimica Acta, 2014, 150, 123-128. | 2.6 | 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. | 4.0 | 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. | 4.0 | 43 |
| 65 | Boron nitride nanosheets as a platform for fluorescence sensing. Talanta, 2017, 174, 365-371. | 2.9 | 42 |
| 66 | Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. Materials Chemistry Frontiers, 2018, 2, 835-860. | 3.2 | 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. | 5.3 | 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. | 3.6 | 40 |
| 69 | Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. Analytica Chimica Acta, 2017, 963, 112-118. | 2.6 | 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. | 2.6 | 37 |
| 71 | Electrochemical biosensor for epidermal growth factor receptor detection with peptide ligand. Electrochimica Acta, 2013, 109, 233-237. | 2.6 | 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. | 5.3 | 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. | 4.0 | 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. | 1.5 | 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. | 1.3 | 36 |
| 76 | Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. Analyst, The, 2016, 141, 2970-2976. | 1.7 | 36 |
| 77 | Highly active 3-dimensional cobalt oxide nanostructures on the flexible carbon substrates for enzymeless glucose sensing. Analyst, The, 2017, 142, 4299-4307. | 1.7 | 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. | 3.1 | 35 |
| 79 | Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. Biosensors and Bioelectronics, 2014, 58, 226-231. | 5.3 | 35 |
| 80 | Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. Scientific Reports, 2016, 6, 32755. | 1.6 | 35 |
| 81 | Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. Analytical Chemistry, 2019, 91, 11821-11826. | 3.2 | 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. | 4.0 | 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. | 4.0 | 35 |
| 84 | Capillary electrophoresis with electrochemiluminescence detection: fundamental theory, apparatus, and applications. Analytical and Bioanalytical Chemistry, 2011, 399, 3323-3343. | 1.9 | 34 |
| 85 | Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. Biosensors and Bioelectronics, 2018, 121, 153-158. | 5.3 | 33 |
| 86 | Capillary Electrophoresis with Electrochemiluminescent Detection for Highly Sensitive Assay of Genetically Modified Organisms. Analytical Chemistry, 2009, 81, 9578-9584. | 3.2 | 32 |
| 87 | An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. Chemical Communications, 2013, 49, 10115. | 2.2 | 32 |
| 88 | A novel fluorescent sensor for mutational p53 DNA sequence detection based on click chemistry. Biosensors and Bioelectronics, 2013, 41, 403-408. | 5.3 | 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. | 1.7 | 32 |
| 90 | Reusable plasmonic aptasensors: using a single nanoparticle to establish a calibration curve and to detect analytes. Chemical Communications, 2011, 47, 7125. | 2.2 | 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. | 2.6 | 31 |
| 92 | Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. Biosensors and Bioelectronics, 2016, 86, 496-501. | 5.3 | 31 |
| 93 | Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO<sub>2</sub> nanosheets and catalytic hairpin assembly amplification. Analytical Methods, 2016, 8, 8492-8497. | 1.3 | 31 |
| 94 | Integrative stemness characteristics associated with prognosis and the immune microenvironment in esophageal cancer. Pharmacological Research, 2020, 161, 105144. | 3.1 | 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. | 4.0 | 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. | 2.6 | 30 |
| 97 | Development of an Immunosensor Based on the Exothermic Reaction between H<sub>2</sub>O and CaO Using a Common Thermometer as Readout. ACS Sensors, 2019, 4, 2375-2380. | 4.0 | 30 |
| 98 | A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. ACS Sensors, 2019, 4, 1844-1850. | 4.0 | 30 |
| 99 | Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. Analytical Chemistry, 2019, 91, 14751-14756. | 3.2 | 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. | 2.9 | 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. | 3.2 | 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. | 2.9 | 28 |
| 103 | Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. Analytical Methods, 2013, 5, 5005. | 1.3 | 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. | 5.3 | 28 |
| 105 | Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. ACS Sensors, 2019, 4, 2465-2470. | 4.0 | 27 |
| 106 | Highly sensitive enzyme-free amperometric sensing of hydrogen peroxide in real samples based on Co<sub>3</sub>O<sub>4</sub>nanocolumn structures. Analytical Methods, 2019, 11, 2292-2302. | 1.3 | 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. | 3.2 | 27 |
| 108 | A portable chemical sensor for histidine based on the strategy ofclick chemistry. Biosensors and Bioelectronics, 2014, 51, 386-390. | 5.3 | 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. | 5.3 | 25 |
| 110 | Colorimetric and fluorometric dual-readout sensor for lysozyme. Analyst, The, 2013, 138, 6517. | 1.7 | 25 |
| 111 | Single plasmonic nanoparticles for ultrasensitive DNA sensing: From invisible to visible. Biosensors and Bioelectronics, 2016, 79, 266-272. | 5.3 | 25 |
| 112 | Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenolÂA. Analytical and Bioanalytical Chemistry, 2017, 409, 7145-7151. | 1.9 | 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. | 2.3 | 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. | 2.6 | 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. | 2.5 | 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. | 1.3 | 24 |
| 117 | A single-nanoparticle NO<sub>2</sub> gas sensor constructed using active molecular plasmonics. Chemical Communications, 2015, 51, 1326-1329. | 2.2 | 24 |
| 118 | Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. Langmuir, 2016, 32, 8557-8564. | 1.6 | 24 |
| 119 | Photoelectrochemical Biosensor for MicroRNA-21 Based on High Photocurrent of TiO<sub>2</sub>/Two-Dimensional Coordination Polymer CuCl<sub>x</sub>(MBA)<sub>y</sub> Photoelectrode. Analytical Chemistry, 2021, 93, 11010-11018. | 3.2 | 24 |
| 120 | Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. Analytical Methods, 2015, 7, 6109-6113. | 1.3 | 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. | 1.0 | 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. | 2.5 | 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. | 2.9 | 22 |
| 124 | Enantioselective analysis of melagatran via an LSPR biosensor integrated with a microfluidic chip. Lab on A Chip, 2012, 12, 3901. | 3.1 | 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. | 2.5 | 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. | 2.5 | 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. | 2.6 | 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. | 1.7 | 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. | 2.2 | 20 |
| 131 | Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. Analytica Chimica Acta, 2020, 1110, 56-63. | 2.6 | 20 |
| 132 | Semi-quantitative detection of p-Aminophenol in real samples with colorfully naked-eye assay. Sensors and Actuators B: Chemical, 2021, 334, 129604. | 4.0 | 20 |
| 133 | Mechanism study on inhibited Ru(bpy)32+ electrochemiluminescence between coreactants. Physical Chemistry Chemical Physics, 2010, 12, 12826. | 1.3 | 19 |
| 134 | A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. Scientific Reports, 2017, 7, 45343. | 1.6 | 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. | 4.0 | 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. | 2.2 | 19 |
| 137 | Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. Journal of Luminescence, 2019, 207, 369-373. | 1.5 | 19 |
| 138 | A surface-enhanced electrochemiluminescence sensor based on Au-SiO<sub>2</sub> coreâ€“shell nanocomposites doped with Ru(bpy)<sub>3</sub><sup>2+</sup> for the ultrasensitive detection of prostate-specific antigen in human serum. Analyst, The, 2020, 145, 132-138. | 1.7 | 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. | 4.0 | 18 |
| 140 | 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. Chemical Communications, 2020, 56, 6692-6695. | 2.2 | 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. | 1.3 | 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. | 2.6 | 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. | 1.9 | 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. | 2.5 | 17 |

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|---|---|---|---|
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