Longhua Guo

List of Publications by Citations

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

#	Paper	IF	Citations
205	Metal-organic framework (MOF): a novel sensing platform for biomolecules. *Chemical Communications*, **2013**, 49, 1276-8	5.8	292
204	Strategies for enhancing the sensitivity of plasmonic nanosensors. *Nano Today*, **2015**, 10, 213-239	17.9	283
203	Flexible and Adhesive Surface Enhance Raman Scattering Active Tape for Rapid Detection of Pesticide Residues in Fruits and Vegetables. *Analytical Chemistry*, **2016**, 88, 2149-55	7.8	277
202	Oriented gold nanoparticle aggregation for colorimetric sensors with surprisingly high analytical figures of merit. *Journal of the American Chemical Society*, **2013**, 135, 12338-45	16.4	253
201	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. *Analytical Chemistry*, **2017**, 89, 1617-1623	7.8	145
200	Surface-Enhanced Electrochemiluminescence of Ru@SiO2 for Ultrasensitive Detection of Carcinoembryonic Antigen. *Analytical Chemistry*, **2015**, 87, 5966-72	7.8	126
199	Gold Nanorods as Colorful Chromogenic Substrates for Semiquantitative Detection of Nucleic Acids, Proteins, and Small Molecules with the Naked Eye. *Analytical Chemistry*, **2016**, 88, 3227-34	7.8	101
198	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, 5097-103	7.8	101
197	Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. *Analytical Chemistry*, **2018**, 90, 6222-6228	7.8	91
196	Metal-organic frameworks-based biosensor for sequence-specific recognition of double-stranded DNA. *Analyst, The*, **2013**, 138, 3490-3	5	90
195	Electrochemiluminescence biosensor for ultrasensitive determination of ochratoxin A in corn samples based on aptamer and hyperbranched rolling circle amplification. *Biosensors and Bioelectronics*, **2015**, 70, 268-74	11.8	88
194	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. *Biosensors and Bioelectronics*, **2017**, 87, 122-128	11.8	85
193	Ultraselective homogeneous electrochemical biosensor for DNA species related to oral cancer based on nicking endonuclease assisted target recycling amplification. *Analytical Chemistry*, **2015**, 87, 9204-8	7.8	84
192	Noble Metal Nanoparticle-Based Multicolor Immunoassays: An Approach toward Visual Quantification of the Analytes with the Naked Eye. *ACS Sensors*, **2019**, 4, 782-791	9.2	82
191	Three-dimensionally assembled gold nanostructures for plasmonic biosensors. *Analytical Chemistry*, **2010**, 82, 5147-53	7.8	79
190	Solid-phase colorimetric sensor based on gold nanoparticle-loaded polymer brushes: lead detection as a case study. *Analytical Chemistry*, **2013**, 85, 4094-9	7.8	77
189	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. *Biosensors and Bioelectronics*, **2015**, 68, 475-480	11.8	76

188	LSPR biomolecular assay with high sensitivity induced by aptamer-antigen-antibody sandwich complex. *Biosensors and Bioelectronics*, **2012**, 31, 567-70	11.8	75
187	Fluorescence biosensor for the HN antibody based on a metal-organic framework platform. *Journal of Materials Chemistry B*, **2013**, 1, 1812-1817	7.3	70
186	Facile synthesis of FeO/g-CN/HKUST-1 composites as a novel biosensor platform for ochratoxin A. *Biosensors and Bioelectronics*, **2017**, 92, 718-723	11.8	69
185	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	5.8	68
184	Highly stable and sensitive glucose biosensor based on covalently assembled high density Au nanostructures. *Biosensors and Bioelectronics*, **2011**, 26, 3845-51	11.8	67
183	Nanoarray-based biomolecular detection using individual Au nanoparticles with minimized localized surface plasmon resonance variations. *Analytical Chemistry*, **2011**, 83, 2605-12	7.8	64
182	Detection of aflatoxin B in food samples based on target-responsive aptamer-cross-linked hydrogel using a handheld pH meter as readout. *Talanta*, **2018**, 176, 34-39	6.2	63
181	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, 3563-7	7.8	61
180	Synthesis of a novel fluorescent probe useful for DNA detection. *Biosensors and Bioelectronics*, **2007**, 22, 2629-35	11.8	61
179	Comprehensive Analysis of the PD-L1 and Immune Infiltrates of mA RNA Methylation Regulators in Head and Neck Squamous Cell Carcinoma. *Molecular Therapy - Nucleic Acids*, **2020**, 21, 299-314	10.7	61
178	Mechanism for inhibition of Ru(bpy)32+/DBAE electrochemiluminescence system by dopamine. *Electrochemistry Communications*, **2009**, 11, 1579-1582	5.1	58
177	Distance-mediated plasmonic dimers for reusable colorimetric switches: a measurable peak shift of more than 60 nm. *Small*, **2013**, 9, 234-40	11	57
176	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. *Analytical Chemistry*, **2015**, 87, 11826-31	7.8	56
175	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. *Biosensors and Bioelectronics*, **2016**, 75, 8-14	11.8	55
174	Sensitive fluorescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. *Chemical Communications*, **2012**, 48, 6184-6	5.8	55
173	Homogeneous Electrochemical Biosensor for Melamine Based on DNA Triplex Structure and Exonuclease III-Assisted Recycling Amplification. *Analytical Chemistry*, **2016**, 88, 10176-10182	7.8	55
172	Multicolor biosensor for fish freshness assessment with the naked eye. *Sensors and Actuators B: Chemical*, **2017**, 252, 201-208	8.5	54
171	Multicolor Colormetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. *Scientific Reports*, **2016**, 6, 37879	4.9	53

170	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. *ACS Sensors*, **2019**, 4, 1252-1260	9.2	52
169	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	8.5	52
168	Influence of ionic strength and surfactant concentration on electrostatic surfacial assembly of cetyltrimethylammonium bromide-capped gold nanorods on fully immersed glass. *Langmuir*, **2010**, 26, 12433-42	4	52
167	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. *Biosensors and Bioelectronics*, **2015**, 63, 166-171	11.8	50
166	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	7.8	49
165	Surface enhanced electrochemiluminescence of Ru(bpy)3(2+). *Scientific Reports*, **2015**, 5, 7954	4.9	49
164	Facile fabrication of distance-tunable Au-nanorod chips for single-nanoparticle plasmonic biosensors. *Biosensors and Bioelectronics*, **2011**, 26, 2246-51	11.8	46
163	Fluorometric method for inorganic pyrophosphatase activity detection and inhibitor screening based on click chemistry. *Analytical Chemistry*, **2015**, 87, 816-20	7.8	45
162	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. *Analytical Methods*, **2015**, 7, 842-845	3.2	45
161	Targets regulated formation of boron nitride quantum dots Gold nanoparticles nanocomposites for ultrasensitive detection of acetylcholinesterase activity and its inhibitors. *Sensors and Actuators B: Chemical*, **2019**, 279, 61-68	8.5	45
160	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. *Biosensors and Bioelectronics*, **2014**, 55, 412-6	11.8	44
159	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe (m-CDs@[Ru(bpy)]) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. *ACS Sensors*, **2017**, 2, 1684-1691	9.2	42
158	A fluorescent probe for detection of histidine in cellular homogenate and ovalbumin based on the strategy of click chemistry. *Biosensors and Bioelectronics*, **2013**, 42, 332-6	11.8	42
157	Homogeneous electrochemical aptasensor for mucin 1 detection based on exonuclease I-assisted target recycling amplification strategy. *Biosensors and Bioelectronics*, **2018**, 117, 474-479	11.8	40
156	Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg2+. *Electrochimica Acta*, **2014**, 150, 123-128	6.7	37
155	Fluorescence sensor for Cu(II) in the serum sample based on click chemistry. *Analyst, The*, **2014**, 139, 656-9	5	37
154	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, 123-30	6.6	37
153	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. *Analytical Chemistry*, **2018**, 90, 1087-1091	7.8	37

152	Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr Quantum Dots. *Analytical Chemistry*, **2019**, 91, 15915-15921	7.8	35
151	In situ assembly, regeneration and plasmonic immunosensing of a Au nanorod monolayer in a closed-surface flow channel. *Lab on A Chip*, **2011**, 11, 3299-304	7.2	34
150	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	7.9	33
149	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. *Analytica Chimica Acta*, **2018**, 1002, 90-96	6.6	32
148	An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. *Chemical Communications*, **2013**, 49, 10115-7	5.8	32
147	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	7.9	32
146	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	11.8	31
145	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. *Biosensors and Bioelectronics*, **2014**, 58, 226-31	11.8	31
144	Multilayered Polypyrrole-Coated Carbon Nanotubes To Improve Functional Stability and Electrical Properties of Neural Electrodes. *Journal of Physical Chemistry C*, **2011**, 115, 5492-5499	3.8	31
143	Highly active 3-dimensional cobalt oxide nanostructures on the flexible carbon substrates for enzymeless glucose sensing. *Analyst, The*, **2017**, 142, 4299-4307	5	30
142	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. *Scientific Reports*, **2016**, 6, 32755	4.9	30
141	Reusable plasmonic aptasensors: using a single nanoparticle to establish a calibration curve and to detect analytes. *Chemical Communications*, **2011**, 47, 7125-7	5.8	30
140	Capillary electrophoresis with electrochemiluminescent detection for highly sensitive assay of genetically modified organisms. *Analytical Chemistry*, **2009**, 81, 9578-84	7.8	30
139	Cu-Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. *Analytical Chemistry*, **2020**, 92, 1236-1244	7.8	30
138	Adsorption removal of crystal violet from aqueous solution using a metal-organic frameworks material, copper coordination polymer with dithiooxamide. *Journal of Applied Polymer Science*, **2013**, 129, 2857-2864	2.9	29
137	Electrochemical biosensor for epidermal growth factor receptor detection with peptide ligand. *Electrochimica Acta*, **2013**, 109, 233-237	6.7	29
136	A novel fluorescent sensor for mutational p53 DNA sequence detection based on click chemistry. *Biosensors and Bioelectronics*, **2013**, 41, 403-8	11.8	29
135	Capillary electrophoresis with electrochemiluminescence detection: fundamental theory, apparatus, and applications. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 3323-43	4.4	29

134	Signal-on electrochemiluminescence aptasensor for bi s p h e n o l A based on hybridization chain reaction and electrically heated electrode. *Biosensors and Bioelectronics*, **2019**, 129, 36-41	11.8	29
133	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. *Analytica Chimica Acta*, **2017**, 963, 112-118	6.6	28
132	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	8.5	28
131	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. *Biosensors and Bioelectronics*, **2018**, 121, 153-158	11.8	28
130	Boron nitride nanosheets as a platform for fluorescence sensing. *Talanta*, **2017**, 174, 365-371	6.2	27
129	Highly sensitive visual detection of Avian Influenza A (H7N9) virus based on the enzyme-induced metallization. *Biosensors and Bioelectronics*, **2016**, 79, 874-80	11.8	27
128	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. *Analyst, The*, **2016**, 141, 2970-6	5	27
127	An electrochemical sensing platform structured with carbon nanohorns for detecting some food borne contaminants. *Electrochimica Acta*, **2013**, 111, 57-63	6.7	27
126	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. *Biosensors and Bioelectronics*, **2016**, 86, 496-501	11.8	26
125	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	8.5	26
124	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. *Analytical Chemistry*, **2019**, 91, 11821-11826	7.8	25
123	Highly sensitive determination of 4-nitrophenol with coumarin-based fluorescent molecularly imprinted poly (ionic liquid). *Journal of Hazardous Materials*, **2020**, 398, 122854	12.8	25
122	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. *Materials Chemistry Frontiers*, **2018**, 2, 835-860	7.8	25
121	Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO2 nanosheets and catalytic hairpin assembly amplification. *Analytical Methods*, **2016**, 8, 8492-8497	3.2	25
120	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	3.7	25
119	On-spot surface enhanced Raman scattering detection of Aflatoxin B in peanut extracts using gold nanobipyramids evenly trapped into the AAO nanoholes. *Food Chemistry*, **2020**, 307, 125528	8.5	25
118	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	8.5	24
117	Single plasmonic nanoparticles for ultrasensitive DNA sensing: From invisible to visible. *Biosensors and Bioelectronics*, **2016**, 79, 266-72	11.8	24

116	Development of an Immunosensor Based on the Exothermic Reaction between HO and CaO Using a Common Thermometer as Readout. *ACS Sensors*, **2019**, 4, 2375-2380	9.2	23
115	Colorimetric and fluorometric dual-readout sensor for lysozyme. *Analyst, The*, **2013**, 138, 6517-22	5	23
114	Mechanism study on inorganic oxidants induced inhibition of Ru(bpy)□+ electrochemiluminescence and its application for sensitive determination of some inorganic oxidants. *Talanta*, **2011**, 85, 339-44	6.2	23
113	Label-free aptamer-based partial filling technique for enantioseparation and determination of DL-tryptophan with micellar electrokinetic chromatography. *Electrophoresis*, **2013**, 34, 254-9	3.6	22
112	Synthesis of N-4-butylamine acridone and its use as fluorescent probe for ctDNA. *Biosensors and Bioelectronics*, **2009**, 24, 1281-5	11.8	22
111	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. *Langmuir*, **2016**, 32, 8557-64	4	22
110	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. *ACS Sensors*, **2019**, 4, 2465-2470	9.2	21
109	Label-free electrochemical impedance biosensor for sequence-specific recognition of double-stranded DNA. *Analytical Methods*, **2013**, 5, 5005	3.2	21
108	Highly reproducible ratiometric aptasensor based on the ratio of amplified electrochemiluminescence signal and stable internal reference electrochemical signal. *Electrochimica Acta*, **2018**, 283, 798-805	6.7	20
107	A portable chemical sensor for histidine based on the strategy of click chemistry. *Biosensors and Bioelectronics*, **2014**, 51, 386-90	11.8	20
106	Logic gates for multiplexed analysis of Hg2+ and Ag+. *Analyst, The*, **2012**, 137, 2687-91	5	20
105	Enantioselective analysis of melagatran via an LSPR biosensor integrated with a microfluidic chip. *Lab on A Chip*, **2012**, 12, 3901-6	7.2	20
104	Fluorescence aptasensor for Ochratoxin A in food samples based on hyperbranched rolling circle amplification. *Analytical Methods*, **2015**, 7, 6109-6113	3.2	19
103	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	8.5	19
102	Highly sensitive aptamer based on electrochemiluminescence biosensor for label-free detection of bisphenol□A. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 7145-7151	4.4	18
101	Antibacterial mechanism of Tetrastigma hemsleyanum Diels et Gilg□ polysaccharides by metabolomics based on HPLC/MS. *International Journal of Biological Macromolecules*, **2019**, 140, 206-215	7.9	18
100	A single-nanoparticle NO2 gas sensor constructed using active molecular plasmonics. *Chemical Communications*, **2015**, 51, 1326-9	5.8	18
99	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. *ACS Applied Materials & Interfaces*, **2020**, 12, 30085-30094	9.5	18

98	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	5.8	18
97	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		18
96	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	5.8	18
95	A Portable Immunosensor with Differential Pressure Gauges Readout for Alpha Fetoprotein Detection. *Scientific Reports*, **2017**, 7, 45343	4.9	17
94	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	5.1	17
93	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	8.5	16
92	A new metal electrocatalysts supported matrix: Palladium nanoparticles supported silicon carbide nanoparticles and its application for alcohol electrooxidation. *Electrochimica Acta*, **2012**, 85, 644-649	6.7	16
91	Using multiple PCR and CE with chemiluminescence detection for simultaneous qualitative and quantitative analysis of genetically modified organism. *Electrophoresis*, **2008**, 29, 3801-9	3.6	16
90	Real-Time Visualization of the Single-Nanoparticle Electrocatalytic Hydrogen Generation Process and Activity under Dark Field Microscopy. *Analytical Chemistry*, **2020**, 92, 9016-9023	7.8	15
89	Hypoglycemic Effects of a Polysaccharide from Tetrastigma hemsleyanum Diels & Gilg in Alloxan-Induced Diabetic Mice. *Chemistry and Biodiversity*, **2018**, 15, e1800070	2.5	15
88	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. *Talanta*, **2020**, 214, 120862	6.2	14
87	Target-triggered aggregation of gold nanoparticles for photothermal quantitative detection of adenosine using a thermometer as readout. *Analytica Chimica Acta*, **2020**, 1110, 151-157	6.6	14
86	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. *Analytical Chemistry*, **2019**, 91, 14751-14756	7.8	14
85	Visual detection of copper(II) based on the aggregation of gold nano-particles via click chemistry. *Analytical Methods*, **2012**, 4, 612	3.2	14
84	Mechanism study on inhibited Ru(bpy)3(2+) electrochemiluminescence between coreactants. *Physical Chemistry Chemical Physics*, **2010**, 12, 12826-32	3.6	14
83	Highly selective fluorescence sensor for hydrogen sulfide based on the Cu(II)-dependent DNAzyme. *Journal of Luminescence*, **2019**, 207, 369-373	3.8	14
82	A calcium alginate sponge with embedded gold nanoparticles as a flexible SERS substrate for direct analysis of pollutant dyes. *Mikrochimica Acta*, **2019**, 186, 64	5.8	13
81	Highly sensitive enzyme-free amperometric sensing of hydrogen peroxide in real samples based on Co3O4 nanocolumn structures. *Analytical Methods*, **2019**, 11, 2292-2302	3.2	13

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79	Capillary electrophoresis chemiluminescent detection system equipped with a two-step postcolumn flow interface for detection of some enkephalin-related peptides labeled with acridinium ester. *Electrophoresis*, **2008**, 29, 2348-55	3.6	13
78	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	5.8	13
77	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. *Biosensors and Bioelectronics*, **2013**, 47, 199-205	11.8	12
76	A highly sensitive method for detection of protein based on inhibition of Ru(bpy)32+/TPrA electrochemiluminescent system. *Electrochimica Acta*, **2011**, 56, 6962-6965	6.7	12
75	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	6.2	12
74	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	5.8	12
73	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. *Chemical Communications*, **2020**, 56, 6692-6695	5.8	11
72	Preparative separation of enantiomers based on functional nucleic acids modified gold nanoparticles. *Chirality*, **2013**, 25, 751-6	2.1	11
71	A new method for preparation of an etched porous joint for capillary electrophoresis and its pore-size evaluation. *Electrophoresis*, **2009**, 30, 1355-61	3.6	11
70	CE with a new electrochemiluminescent detection system for separation and detection of proteins labeled with tris(1,10-phenanthroline) ruthenium(II). *Electrophoresis*, **2009**, 30, 2390-6	3.6	11
69	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. *Biosensors and Bioelectronics*, **2020**, 169, 112655	11.8	11
68	The detection of melamine base on a turn-on fluorescence of DNA-Ag nanoclusters. *Journal of Luminescence*, **2017**, 186, 103-108	3.8	10
67	Colorimetric probe for copper(II) ion detection based on cost-effective aminoquinoline derivative. *Analytical Methods*, **2017**, 9, 1727-1731	3.2	10
66	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	8.5	10
65	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. *Analytica Chimica Acta*, **2020**, 1110, 56-63	6.6	10
64	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	6.6	10
63	A Facile Approach for On-Site Evaluation of Nicotine in Tobacco and Environmental Tobacco Smoke. *ACS Sensors*, **2019**, 4, 1844-1850	9.2	10

62	Synthesis of a new Ni-phenanthroline complex and its application as an electrochemical probe for detection of nucleic acid. *Biosensors and Bioelectronics*, **2011**, 26, 2270-4	11.8	10
61	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, 7105-11	4.4	10
60	Rapid synthesis of a highly active and uniform 3-dimensional SERS substrate for on-spot sensing of dopamine. *Mikrochimica Acta*, **2019**, 186, 260	5.8	9
59	In situ synthesis of protein-resistant poly(oligo(ethylene glycol)methacrylate) films in capillary for protein separation. *RSC Advances*, **2014**, 4, 4883	3.7	9
58	Facile preparation of partially functionalized gold nanoparticles via a surfactant-assisted solid phase approach. *Journal of Colloid and Interface Science*, **2013**, 409, 32-7	9.3	9
57	Integrative stemness characteristics associated with prognosis and the immune microenvironment in esophageal cancer. *Pharmacological Research*, **2020**, 161, 105144	10.2	9
56	Intratumoral heterogeneity of EGFR-activating mutations in advanced NSCLC patients at the single-cell level. *BMC Cancer*, **2019**, 19, 369	4.8	8
55	A reusable and portable immunosensor using personal glucose meter as transducer. *Analytical Methods*, **2014**, 6, 5264-5268	3.2	8
54	Dual-channel cathodic electrochemiluminescence of luminol induced by injection of hot electrons on a niobate semiconductor modified electrode. *Analyst, The*, **2013**, 138, 234-9	5	8
53	Study on interaction between a new fluorescent probe 2-methylbenzo[b][1,10]phenanthrolin-7(12H)-one and BSA. *Analyst, The*, **2011**, 136, 973-8	5	8
52	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	9.5	8
51	Nickel-phosphate pompon flowers nanostructured network enables the sensitive detection of microRNA. *Talanta*, **2020**, 209, 120511	6.2	8
50	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. *Analyst, The*, **2019**, 145, 132-138	5	8
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