

Fang Luo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

1,407
citations

23
h-index

35
g-index

75
ext. papers

1,953
ext. citations

6.7
avg, IF

5.04
L-index

#	Paper	IF	Citations
71	Multicolor hydrogen sulfide sensor for meat freshness assessment based on Cu-modified boron nitride nanosheets-supported subnanometer gold nanoparticles.. <i>Food Chemistry</i> , 2022 , 381, 132278	8.5	0
70	Quick preparation of water-soluble perovskite nanocomposite via cetyltrimethylammonium bromide and its application.. <i>Mikrochimica Acta</i> , 2022 , 189, 68	5.8	0
69	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 ,	7.8	1
68	A Ratiometric Fluorescence Probe for Selective Detection of ex vivo Methylglyoxal in Diabetic Mice.. <i>ChemistryOpen</i> , 2022 , 11, e202200055	2.3	
67	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	5.6	
66	Single nanoparticle identification coupled with auto-identify algorithm for rapid and accurate detection of L-histidine. <i>Analytica Chimica Acta</i> , 2021 , 1187, 339162	6.6	1
65	Convenient detection of HS based on the photothermal effect of Au@Ag nanocubes using a handheld thermometer as readout. <i>Analytica Chimica Acta</i> , 2021 , 1149, 338211	6.6	8
64	A Novel Enzyme-Responded Controlled Release Electrochemical Biosensor for Hyaluronidase Activity Detection. <i>Journal of Analysis and Testing</i> , 2021 , 5, 69-75	3.2	3
63	Highly Sensitive and Selective Photoelectrochemical Aptasensors for Cancer Biomarkers Based on MoS/Au/GaN Photoelectrodes. <i>Analytical Chemistry</i> , 2021 , 93, 7341-7347	7.8	16
62	Biocompatible perovskite quantum dots with superior water resistance enable long-term monitoring of the HS level. <i>Nanoscale</i> , 2021 , 13, 14297-14303	7.7	5
61	Design of an electrochemiluminescence detection system through the regulation of charge density in a microchannel. <i>Chemical Science</i> , 2021 , 12, 13151-13157	9.4	2
60	A Bright Nitrogen-doped-Carbon-Dots based Fluorescent Biosensor for Selective Detection of Copper Ions. <i>Journal of Analysis and Testing</i> , 2021 , 5, 84-92	3.2	4
59	Homogeneous photoelectrochemical biosensor for microRNA based on target-responsive hydrogel coupled with exonuclease III and nicking endonuclease Nb.BbvCI assistant cascaded amplification strategy. <i>Mikrochimica Acta</i> , 2021 , 188, 267	5.8	2
58	Quantitative gold nanorods based photothermal biosensor for glucose using a thermometer as readout. <i>Talanta</i> , 2021 , 230, 122364	6.2	7
57	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	6.6	0
56	Electrochemiluminescence biosensor for thrombin detection based on metal organic framework with electrochemiluminescence indicator embedded in the framework. <i>Biosensors and Bioelectronics</i> , 2021 , 189, 113374	11.8	10
55	Ultrasensitive Photoelectrochemical Biosensor for microRNA-155 Based on Energy Transfer between Au Nanocages and Red Emission Carbon Dot-Assembled Nanosheets Coupled with the Duplex-Specific Nuclease Enzyme-Assisted Target Recycling Strategy.. <i>Analytical Chemistry</i> , 2021 ,	7.8	4

54	Electrochemiluminescence Aptasensor for Charged Targets through the Direct Regulation of Charge Density in Microchannels.. <i>Analytical Chemistry</i> , 2021 , 93, 17127-17133	7.8	0
53	Electrochemiluminescence Sensor for Cancer Cell Detection Based on H ₂ O ₂ -Triggered Stimulus Response System. <i>Journal of Analysis and Testing</i> , 2020 , 4, 128-135	3.2	4
52	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30085-30094	4.5	18
51	Real-Time Visualization of the Single-Nanoparticle Electrocatalytic Hydrogen Generation Process and Activity under Dark Field Microscopy. <i>Analytical Chemistry</i> , 2020 , 92, 9016-9023	7.8	15
50	Highly Sensitive and Selective Photoelectrochemical Aptasensor for Cancer Biomarker CA125 Based on AuNPs/GaN Schottky Junction. <i>Analytical Chemistry</i> , 2020 , 92, 10114-10120	7.8	38
49	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	5.8	3
48	Highly sensitive and selective aflatoxin B biosensor based on Exonuclease I-catalyzed target recycling amplification and targeted response aptamer-crosslinked hydrogel using electronic balances as a readout. <i>Talanta</i> , 2020 , 214, 120862	6.2	14
47	Core-satellite assemblies and exonuclease assisted double amplification strategy for ultrasensitive SERS detection of biotoxin. <i>Analytica Chimica Acta</i> , 2020 , 1110, 56-63	6.6	10
46	A highly sensitive signal-on biosensor for microRNA 142-3p based on the quenching of Ru(bpy)-TPA electrochemiluminescence by carbon dots and duplex specific nuclease-assisted target recycling amplification. <i>Chemical Communications</i> , 2020 , 56, 6692-6695	5.8	11
45	Target-triggered aggregation of gold nanoparticles for photothermal quantitative detection of adenosine using a thermometer as readout. <i>Analytica Chimica Acta</i> , 2020 , 1110, 151-157	6.6	14
44	A homogeneous photoelectrochemical hydrogen sulfide sensor based on the electronic transfer mediated by tetrasulfophthalocyanine. <i>Analyst, The</i> , 2020 , 145, 3543-3548	5	4
43	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	6.6	6
42	Electrochemiluminescence biosensor for miRNA-21 based on toehold-mediated strand displacement amplification with Ru(phen) loaded DNA nanoclews as signal tags. <i>Biosensors and Bioelectronics</i> , 2020 , 147, 111789	11.8	38
41	Electrochemiluminescence Biosensor for Hyaluronidase Based on the Ru(bpy) Doped SiO Nanoparticles Embedded in the Hydrogel Fabricated by Hyaluronic Acid and Polyethylenimine.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1158-1164	4.1	4
40	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	3.2	3
39	Cu-Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. <i>Analytical Chemistry</i> , 2020 , 92, 1236-1244	7.8	30
38	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	7.8	13
37	Sensitive biosensor for p53 DNA sequence based on the photothermal effect of gold nanoparticles and the signal amplification of locked nucleic acid functionalized DNA walkers using a thermometer as readout. <i>Talanta</i> , 2020 , 220, 121398	6.2	12

36	Determination of copper ions in herbal medicine based on click chemistry using an electronic balance as a readout. <i>Analytical Methods</i> , 2020 , 12, 4473-4478	3.2	
35	Nano-micelles based on hydroxyethyl starch-curcumin conjugates for improved stability, antioxidant and anticancer activity of curcumin. <i>Carbohydrate Polymers</i> , 2020 , 228, 115398	10.3	51
34	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2020 , 64, 1-33	7.9	33
33	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. <i>Analytical Chemistry</i> , 2019 , 91, 11821-11826	7.8	25
32	Ultrasensitive and Portable Assay for Lead(II) Ions by Electronic Balance as a Readout. <i>ACS Sensors</i> , 2019 , 4, 2465-2470	9.2	21
31	Rapid detection of dibutyl phthalate in liquor by a semi-quantitative multicolor immunosensor with naked eyes as readout. <i>Analytical Methods</i> , 2019 , 11, 524-529	3.2	7
30	Chemiluminescent sensor for hydrogen sulfide in rat brain microdialysis based on target-induced horseradish peroxidase deactivation. <i>Analytical Methods</i> , 2019 , 11, 3085-3089	3.2	3
29	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. <i>ACS Sensors</i> , 2019 , 4, 1252-1260	9.2	52
28	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	7.8	49
27	Development of an Immunosensor Based on the Exothermic Reaction between HO and CaO Using a Common Thermometer as Readout. <i>ACS Sensors</i> , 2019 , 4, 2375-2380	9.2	23
26	Homogeneous Electrochemiluminescence Biosensor for the Detection of RNase A Activity and Its Inhibitor. <i>Analytical Chemistry</i> , 2019 , 91, 14751-14756	7.8	14
25	Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr Quantum Dots. <i>Analytical Chemistry</i> , 2019 , 91, 15915-15921	7.8	35
24	Electrochemiluminescence Biosensor for the Detection of the Folate Receptor in HeLa Cells Based on Hyperbranched Rolling Circle Amplification and Terminal Protection. <i>ChemElectroChem</i> , 2019 , 6, 827-833	4.3	8
23	Signal-on electrochemiluminescence aptasensor for bisphenol A based on hybridization chain reaction and electrically heated electrode. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 36-41	11.8	29
22	Targets regulated formation of boron nitride quantum dots [Gold nanoparticles nanocomposites for ultrasensitive detection of acetylcholinesterase activity and its inhibitors. <i>Sensors and Actuators B: Chemical</i> , 2019 , 279, 61-68	8.5	45
21	Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. <i>Analytical Chemistry</i> , 2018 , 90, 6222-6228	7.8	91
20	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	11.8	31
19	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2018 , 1002, 90-96	6.6	32

18	Stimulus-response click chemistry based aptamer-functionalized mesoporous silica nanoparticles for fluorescence detection of thrombin. <i>Talanta</i> , 2018 , 178, 563-568	6.2	36
17	Enzyme-linked immunosorbent assay for aflatoxin B1 using a portable pH meter as the readout. <i>Analytical Methods</i> , 2018 , 10, 3804-3809	3.2	7
16	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	6.7	20
15	Electrochemiluminescence biosensor for hyaluronidase activity detection and inhibitor assay based on the electrostatic interaction between hyaluronic acid and Ru(bpy) ₃ ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2018 , 275, 409-414	8.5	16
14	Highly sensitive electrochemical immunosensor for golgi protein 73 based on proximity ligation assay and enzyme-powered recycling amplification. <i>Analytica Chimica Acta</i> , 2018 , 1040, 150-157	6.6	10
13	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	3.2	1
12	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. <i>Analytical Chemistry</i> , 2018 , 90, 1087-1091	7.8	37
11	Detection of aflatoxin B in food samples based on target-responsive aptamer-cross-linked hydrogel using a handheld pH meter as readout. <i>Talanta</i> , 2018 , 176, 34-39	6.2	63
10	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 153-158	11.8	28
9	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	11.8	40
8	Homogeneous Electrochemical Method for Ochratoxin A Determination Based on Target Triggered Aptamer Hairpin Switch and Exonuclease III-Assisted Recycling Amplification. <i>Food Analytical Methods</i> , 2017 , 10, 1982-1990	3.4	20
7	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe (m-CDs@[Ru(bpy)]) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. <i>ACS Sensors</i> , 2017 , 2, 1684-1691	9.2	42
6	Cationic Carbon Dots for Modification-Free Detection of Hyaluronidase via an Electrostatic-Controlled Ratiometric Fluorescence Assay. <i>Analytical Chemistry</i> , 2017 , 89, 8384-8390	7.8	85
5	A fluorometric histidine biosensor based on the use of a quencher-labeled Cu(II)-dependent DNase. <i>Mikrochimica Acta</i> , 2017 , 184, 4015-4020	5.8	11
4	High peroxidase-like activity of iron and nitrogen co-doped carbon dots and its application in immunosorbent assay. <i>Talanta</i> , 2017 , 164, 1-6	6.2	88
3	A signal-on homogeneous electrochemical biosensor for sequence-specific microRNA based on duplex-specific nuclease-assisted target recycling amplification. <i>Analytical Methods</i> , 2016 , 8, 7034-7039	3.2	7
2	Terminal protection G-quadruplex-based turn-on fluorescence biosensor for H5N1 antibody. <i>Analytical Methods</i> , 2012 , 4, 3425	3.2	7
1	An aptamer-based fluorescence biosensor for multiplex detection using unmodified gold nanoparticles. <i>Chemical Communications</i> , 2012 ,	5.8	38

