Shu-Lin Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3621414/publications.pdf

Version: 2024-02-01

217	7,726	53660	74018
papers	citations	45 h-index	75 g-index

219	219	219	9484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A ratiometric electrochemical biosensor via alkaline phosphatase mediated dissolution of nano-MnO2 and Ru(III) redox recycling for the determination of dimethoate. Journal of Pharmaceutical and Biomedical Analysis, 2022, 207, 114400.	1.4	8
2	A Unique Multifunctional Nanoenzyme Tailored for Triggering Tumor Microenvironment Activated NIRâ€II Photoacoustic Imaging and Chemodynamic/Photothermal Combined Therapy. Advanced Healthcare Materials, 2022, 11, e2102073.	3.9	26
3	Facile preparation of Cu-doped carbon dots for naked-eye discrimination of phenylenediamine isomers and highly sensitive ratiometric fluorescent detection of H2O2. Talanta, 2022, 239, 123110.	2.9	11
4	Microporous hydrogen-bond organic frameworks-based SALDI-TOF MS for simultaneous enrichment and high sensitivity detection of paraquat and chlormequat. Sensors and Actuators B: Chemical, 2022, 353, 131132.	4.0	13
5	MOF-derivated MnO@C nanocomposite with bidirectional electrocatalytic ability as signal amplification for dual-signal electrochemical sensing of cancer biomarker. Talanta, 2022, 239, 123150.	2.9	15
6	A FRET ratiometric fluorescence biosensor for the selective determination of pyrophosphate ion and pyrophosphatase activity based on difunctional Cu-MOF nanozyme. Biosensors and Bioelectronics: X, 2022, 10, 100101.	0.9	2
7	Enhancing the peroxidase-like activity of MIL-88B by ligand exchange with polydopamine. Dalton Transactions, 2022, 51, 2262-2268.	1.6	4
8	A Circular Dichroism and Photoacoustic Dual-Mode Probe for Detection In Vitro and Imaging In Vivo of Hydroxyl Radicals. Analytical Chemistry, 2022, 94, 2453-2464.	3.2	12
9	An ultrasensitive multivariate signal amplification strategy based on microchip platform tailored for simultaneous quantification of multiple microRNAs in single cell. Biosensors and Bioelectronics, 2022, 203, 114053.	5.3	7
10	Rational construction of a triphenylphosphine-modified tetra-nuclear Cu(<scp>i</scp>) coordinated cluster for enhanced chemodynamic therapy. Dalton Transactions, 2022, , .	1.6	3
11	A Smart Nearâ€Infrared Carbon Dotâ€Metal Organic Framework Assemblies for Tumor Microenvironmentâ€Activated Cancer Imaging and Chemodynamicâ€Photothermal Combined Therapy. Advanced Healthcare Materials, 2022, 11, e2102759.	3.9	34
12	Nitrogen and sulfur co-doped carbon dot-based ratiometric fluorescent probe for Zn2+ sensing and imaging in living cells. Mikrochimica Acta, 2022, 189, 107.	2.5	8
13	Precise in Vivo Inflammation Imaging in the NIR-II Window Using 1065 nm Photoacoustic Probe for in Situ Visual Monitoring of Pathological Processes Related to Hepatitis. ACS Sensors, 2022, 7, 641-648.	4.0	4
14	Ultrasmall phosphatase-mimicking nanoceria with slight self-colour for nonredox nanozyme-based colorimetric sensing. Analytica Chimica Acta, 2022, 1200, 339604.	2.6	16
15	Rapid detection of heterocyclic aromatic amines in cakes by digital imaging colorimetry based on magnetic solid phase extraction with sulfonated hyper-cross-linked polymers. Food Chemistry, 2022, 385, 132690.	4.2	5
16	Mitochondria-Targeted Fluorescence/Photoacoustic Dual-Modality Imaging Probe Tailored for Visual Precise Diagnosis of Drug-Induced Liver Injury. Analytical Chemistry, 2022, 94, 6251-6260.	3.2	11
17	Bacitracin-Functionalized Dextran-MoSe₂ with Peroxidase-like and Near-Infrared Photothermal Activities for Low-Temperature and Synergetic Antibacterial Applications. ACS Applied Bio Materials, 2022, 5, 2347-2354.	2.3	5
18	Preparation of cationic hierarchical porous covalent organic frameworks for rapid and effective enrichment of perfluorinated substances in dairy products. Journal of Chromatography A, 2022, 1675, 463188.	1.8	13

#	Article	IF	Citations
19	Adsorption of three perfluoroalkyl sulfonate compounds from environmental water and human serum samples using cationic porous covalent organic framework as adsorbents and detection combination with MALDI-TOF MS. Applied Surface Science, 2022, 601, 154224.	3.1	6
20	Dextran-coated Gd-based ultrasmall nanoparticles as phosphatase-like nanozyme to increase ethanol yield via reduction of yeast intracellular ATP level. Journal of Colloid and Interface Science, 2022, 627, 405-414.	5.0	7
21	Preparation of magnetic mesoporous metal-phenolic coordination spheres for extraction of crystal violet and leuco-metabolites in fish. Journal of Chromatography A, 2021, 1636, 461776.	1.8	5
22	A DNA-functionalized biomass nanoprobe for the targeted photodynamic therapy of tumor and ratiometric fluorescence imaging-based visual cancer cell identification/antitumor drug screening. Analyst, The, 2021, 146, 835-841.	1.7	7
23	Design and fabrication of boric acid functionalized hierarchical porous metal-organic frameworks for specific removal of cis-diol-containing compounds from aqueous solution. Applied Surface Science, 2021, 535, 147714.	3.1	26
24	Hydrogen Sulfide Dual-Activated NIR-II Photoacoustic Probes for Accurate Imaging and Efficient Photothermal Therapy of Colon Cancer. ACS Applied Bio Materials, 2021, 4, 974-983.	2.3	18
25	Rapid and sensitive colorimetric detection of dopamine based on the enhanced-oxidase mimicking activity of cerium(<scp>iv</scp>). New Journal of Chemistry, 2021, 45, 6780-6786.	1.4	10
26	Complementary atomic flame/molecular colorimetry dual-mode assay for sensitive and wide-range detection of cancer cells. Chemical Communications, 2021, 57, 3327-3330.	2.2	8
27	Hybrid MoS2/g-C3N4-assisted LDI mass spectrometry for rapid detection of small molecules and polyethylene glycols and direct determinationÂof uric acid in complicated biological samples. Mikrochimica Acta, 2021, 188, 5.	2.5	15
28	A simple and feasible atom-precise biotinylated Cu(<scp>i</scp>) complex for tumor-targeted chemodynamic therapy. Chemical Communications, 2021, 57, 6046-6049.	2.2	23
29	Synchronous Construction of Hierarchical Porosity and Thiol Functionalization in COFs for Selective Extraction of Cationic Dyes in Water Samples. ACS Applied Materials & Interfaces, 2021, 13, 4352-4363.	4.0	36
30	A DNAzyme-mediated target-initiated rolling circle amplification strategy based on a microchip platform for the detection of apurinic/apyrimidinic endonuclease 1 at the single-cell level. Chemical Communications, 2021, 57, 11017-11020.	2.2	6
31	A tumor microenvironmentâ€“induced absorption red-shifted polymer nanoparticle for simultaneously activated photoacoustic imaging and photothermal therapy. Science Advances, 2021, 7, .	4.7	83
32	A self-correcting fluorescent assay of tyrosinase based on Fe-MIL-88B-NH2 nanozyme. Mikrochimica Acta, 2021, 188, 158.	2.5	15
33	Improving the Sensitivity of the miRNA Assay Coupled with the Mismatched Catalytic Hairpin Assembly Reaction by Optimization of Hairpin Annealing Conditions. Analytical Chemistry, 2021, 93, 6824-6830.	3.2	25
34	Facile Fluorescent Differentiation of Aminophenol Isomers Based on Ce-Doped Carbon Dots. ACS Sustainable Chemistry and Engineering, 2021, 9, 8136-8141.	3.2	8
35	Absolute Quantification of MicroRNAs in a Single Cell with Chemiluminescence Detection Based on Rolling Circle Amplification on a Microchip Platform. Analytical Chemistry, 2021, 93, 9218-9225.	3.2	29
36	Ce-MOF with Intrinsic Haloperoxidase-Like Activity for Ratiometric Colorimetric Detection of Hydrogen Peroxide. Biosensors, 2021, 11, 204.	2.3	24

#	Article	IF	Citations
37	Carbon Dots with Absorption Red-Shifting for Two-Photon Fluorescence Imaging of Tumor Tissue pH and Synergistic Phototherapy. ACS Applied Materials & Interfaces, 2021, 13, 35365-35375.	4.0	60
38	Isothermal chemiluminescent assay based on circular stand-displacement polymerization reaction amplification for cel-miRNA-39-3p determination in cell extracts. International Journal of Biological Macromolecules, 2021, 182, 987-992.	3.6	7
39	A mitochondria-targeted ratiometric fluorescent nanoprobe for imaging of peroxynitrite in living cells. Talanta, 2021, 231, 122421.	2.9	9
40	Porous Oxyhydroxide Derived from Metalâ€“Organic Frameworks as Efficient Triphosphatase-like Nanozyme for Chromium(III) Ion Colorimetric Sensing. ACS Applied Bio Materials, 2021, 4, 6962-6973.	2.3	14
41	An integrated platform for label-free fluorescence detection and inactivation of bacteria based on boric acid functionalized Zr-MOF. Sensors and Actuators B: Chemical, 2021, 345, 130345.	4.0	29
42	Multicolor and photothermal dual-mode assay of alkaline phosphatase based on the UV light-assisted etching of gold nanorods. Analytica Chimica Acta, 2021, 1181, 338926.	2.6	10
43	Sulfonic acid functionalized hierarchical porous covalent organic frameworks as a SALDI-TOF MS matrix for effective extraction and detection of paraquat and diquat. Journal of Colloid and Interface Science, 2021, 603, 172-181.	5.0	33
44	An ultrasensitive chemiluminescence strategy based on a microchip platform for telomerase detection at a single-cell level. Chemical Communications, 2021, 57, 3095-3098.	2.2	16
45	Design and synthesis of a ratiometric photoacoustic imaging probe activated by selenol for visual monitoring of pathological progression of autoimmune hepatitis. Chemical Science, 2021, 12, 4883-4888.	3.7	22
46	A DNAzyme-driven random biped DNA walking nanomachine for sensitive detection of uracil-DNA glycosylase activity. Analyst, The, 2021, 146, 5643-5649.	1.7	6
47	Multifunctional carbon dots with near-infrared absorption and emission for targeted delivery of anticancer drugs, tumor tissue imaging and chemo/photothermal synergistic therapy. Nanoscale Advances, 2021, 3, 6869-6875.	2.2	12
48	Reversible assemblyâ€“disassembly of plasmonic spherical nucleic acids enabling temperature-self-controllable and biomarker-activatable photothermal effects. Chemical Communications, 2021, 57, 11617-11620.	2.2	4
49	A gas-pressure-assisted ratiometric atomic flame assay for the point-of-care testing of tumor-cell-derived exosomes. Analyst, The, 2021, 147, 48-54.	1.7	4
50	Facile synthesis of magnetic carbon nanotubes derived from ZIF-67 and application to magnetic solid-phase extraction of profens from human serum. Talanta, 2020, 207, 120284.	2.9	34
51	Ultrasensitive detection of microRNA-21 based on electrophoresis assisted cascade chemiluminescence signal amplification for the identification of cancer cells. Talanta, 2020, 209, 120505.	2.9	16
52	A near infrared dye-coated silver nanoparticle/carbon dot nanocomposite for targeted tumor imaging and enhanced photodynamic therapy. Nanoscale Advances, 2020, 2, 489-494.	2.2	10
53	Colorimetric Detection of Salicylic Acid in Aspirin Using MIL-53(Fe) Nanozyme. Frontiers in Chemistry, 2020, 8, 671.	1.8	20
54	Accelerating the peroxidase-like activity of MoSe₂ nanosheets at physiological pH by dextran modification. Chemical Communications, 2020, 56, 10847-10850.	2.2	15

#	Article	IF	Citations
55	Sensitive detection of microRNA using a label-free copper nanoparticle system with polymerase-based signal amplification. Analytical and Bioanalytical Chemistry, 2020, 412, 7179-7185.	1.9	1
56	A novel intracellular signal amplification strategy for the quantification of ATP in single cells by microchip electrophoresis with laser-induced fluorescence detection. Chemical Communications, 2020, 56, 6579-6582.	2.2	8
57	Versatile Synthesis of Pdâ^'M (M=Cr, Mo, W) Alloy Nanosheets Flowerâ€like Superstructures for Efficient Oxygen Reduction Electrocatalysis. ChemCatChem, 2020, 12, 4138-4148.	1.8	14
58	Facile synthesis of a direct Z-scheme BiOClâ€“phosphotungstic acid heterojunction for the improved photodegradation of tetracycline. RSC Advances, 2020, 10, 17369-17376.	1.7	7
59	Near-Infrared Dual-Emission Ratiometric Fluorescence Imaging Nanoprobe for Real-Time Tracing the Generation of Endogenous Peroxynitrite in Single Living Cells and In Vivo. ACS Omega, 2020, 5, 13278-13286.	1.6	1
60	Design and Synthesis of a Ratiometric Photoacoustic Probe for In Situ Imaging of Zinc Ions in Deep Tissue In Vivo. Analytical Chemistry, 2020, 92, 6382-6390.	3.2	37
61	A multifunctional nanoprobe for targeting tumors and mitochondria with singlet oxygen generation and monitoring mitochondrion pH changes in cancer cells by ratiometric fluorescence imaging. Chemical Science, 2020, 11, 3636-3643.	3.7	39
62	Immobilized Glucose Oxidase on Boronic Acid-Functionalized Hierarchically Porous MOF as an Integrated Nanozyme for One-Step Glucose Detection. ACS Sustainable Chemistry and Engineering, 2020, 8, 4481-4488.	3.2	83
63	A New Oneâ€Pot Fluorescence Derivatization Strategy for Highly Sensitive MicroRNA Analysis. Chemistry - A European Journal, 2020, 26, 5639-5647.	1.7	4
64	Mitochondrial-Targeted and Near-Infrared Fluorescence Probe for Bioimaging and Evaluating Monoamine Oxidase A Activity in Hepatic Fibrosis. ACS Sensors, 2020, 5, 943-951.	4.0	46
65	A ratiometric multicolor fluorescence biosensor for visual detection of alkaline phosphatase activity via a smartphone. Biosensors and Bioelectronics, 2019, 143, 111605.	5.3	89
66	Biomass-based quantum dots co-doped with sulfur and nitrogen for highly sensitive detection of thrombin and its inhibitor. New Journal of Chemistry, 2019, 43, 11510-11516.	1.4	11
67	In Situ Ratiometric Fluorescence Imaging for Tracking Targeted Delivery and Release of Anticancer Drug in Living Tumor Cells. ACS Applied Bio Materials, 2019, 2, 4687-4692.	2.3	8
68	Cobalt Phosphides Nanocrystals Encapsulated by Pâ€Doped Carbon and Married with Pâ€Doped Graphene for Overall Water Splitting. Small, 2019, 15, e1804546.	5.2	110
69	Inhibitor structure-guided design and synthesis of near-infrared fluorescent probes for monoamine oxidase A (MAO-A) and its application in living cells and in vivo. Chemical Communications, 2019, 55, 2477-2480.	2.2	41
70	Simple label-free fluorescence detection of apurinic/apyrimidinic endonuclease 1 activity and its inhibitor using the abasic site-binding fluorophore. Analytical Methods, 2019, 11, 739-743.	1.3	13
71	A peptide-based four-color fluorescent polydopamine nanoprobe for multiplexed sensing and imaging of proteases in living cells. Chemical Communications, 2019, 55, 1651-1654.	2.2	23
72	A novel microchip electrophoresis laser induced fluorescence detection method for the assay of T4 polynucleotide kinase activity and inhibitors. Talanta, 2019, 202, 317-322.	2.9	9

#	Article	IF	Citations
73	Magnetic Cu/Fe3O4@FeOOH with intrinsic HRP-like activity at nearly neutral pH for one-step biosensing. Analytical and Bioanalytical Chemistry, 2019, 411, 3801-3810.	1.9	16
74	A T7 exonuclease assisted dual-cycle signal amplification assay of miRNA using nanospheres-enhanced fluorescence polarization. Talanta, 2019, 202, 297-302.	2.9	20
75	In-situ growth of cobalt oxyhydroxide on graphitic-phase C3N4 nanosheets for fluorescence turn-on detection and imaging of ascorbic acid in living cells. Mikrochimica Acta, 2019, 186, 360.	2.5	7
76	A Distinctive Spinachâ€Based Carbon Nanomaterial with Chlorophyllâ€Rich and Nearâ€Infrared Emission for Simultaneous In Vivo Biothiol Imaging and Dualâ€Enhanced Photodynamic Therapy of Tumor. Advanced Therapeutics, 2019, 2, 1900011.	1.6	13
77	Boric-Acid-Functionalized Covalent Organic Framework for Specific Enrichment and Direct Detection of cis-Diol-Containing Compounds by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2019, 91, 6353-6362.	3.2	79
78	A Gâ€quadruplex/hemin DNAzymeâ€based microchip electrophoresis chemiluminescence assay for highly sensitive detection of biotin in flour. Electrophoresis, 2019, 40, 2157-2164.	1.3	6
79	A bifunctional metal organic framework of type Fe(III)-BTC for cascade (enzymatic and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.5	55
80	Colorimetric detection of blood glucose based on GOx@ZIF-8@Fe-polydopamine cascade reaction. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 240-247.	2.0	39
81	Overall Water Splitting: Cobalt Phosphides Nanocrystals Encapsulated by P-Doped Carbon and Married with P-Doped Graphene for Overall Water Splitting (Small 10/2019). Small, 2019, 15, 1970052.	5.2	4
82	Aptamer-Based Microchip Electrophoresis Assays for Amplification Detection of Carcinoembryonic Antigen. Methods in Molecular Biology, 2019, 1972, 251-259.	0.4	2
83	Single-excitation, dual-emission biomass quantum dots: preparation and application for ratiometric fluorescence imaging of coenzyme A in living cells. Nanoscale, 2019, 11, 9270-9275.	2.8	44
84	An aptamer-based four-color fluorometic method for simultaneous determination and imaging of alpha-fetoprotein, vascular endothelial growth factor-165, carcinoembryonic antigen and human epidermal growth factor receptor 2 in living cells. Mikrochimica Acta, 2019, 186, 204.	2.5	23
85	Progress and Trend on the Regulation Methods for Nanozyme Activity and Its Application. Catalysts, 2019, 9, 1057.	1.6	28
86	A new ratiometric fluorescence assay based on resonance energy transfer between biomass quantum dots and organic dye for the detection of sulfur dioxide derivatives. RSC Advances, 2019, 9, 41955-41961.	1.7	15
87	Colorimetric detection of thioglycolic acid based on the enhanced Fe3+ ions Fenton reaction. Microchemical Journal, 2019, 144, 190-194.	2.3	14
88	A red emitting fluorescent probe for sensitively monitoring hydrogen polysulfides in living cells and zebrafish. Sensors and Actuators B: Chemical, 2019, 284, 30-35.	4.0	16
89	Polydopamine nanoparticle-based multicolor proximity immunoassays for ultrasensitive, multiplexed analysis of proteins using isothermal quadratic amplification. Sensors and Actuators B: Chemical, 2019, 282, 626-635.	4.0	14
90	Design of a New Near-Infrared Ratiometric Fluorescent Nanoprobe for Real-Time Imaging of Superoxide Anions and Hydroxyl Radicals in Live Cells and in Situ Tracing of the Inflammation Process in Vivo. Analytical Chemistry, 2018, 90, 4452-4460.	3.2	55

#	Article	IF	Citations
91	An ultrasensitive microchip electrophoresis assay based on separation-assisted double cycling signal amplification strategy for microRNA detection in cell lysate. Analyst, The, 2018, 143, 1468-1474.	1.7	13
92	One-pot synthesis of a metalâ€“organic framework-based drug carrier for intelligent glucose-responsive insulin delivery. Chemical Communications, 2018, 54, 5377-5380.	2.2	112
93	Well-Coupled Nanohybrids Obtained by Component-Controlled Synthesis and in Situ Integration of Mn_xPd_y Nanocrystals on Vulcan Carbon for Electrocatalytic Oxygen Reduction. ACS Applied Materials & Interfaces, 2018, 10, 8155-8164.	4.0	20
94	A label-free fluorescence assay for hydrogen peroxide and glucose based on the bifunctional MIL-53(Fe) nanozyme. Chemical Communications, 2018, 54, 1762-1765.	2.2	118
95	A gold nanoparticle-based four-color proximity immunoassay for one-step, multiplexed detection of protein biomarkers using ribonuclease H signal amplification. Chemical Communications, 2018, 54, 2719-2722.	2.2	18
96	A â€œSignal Onâ€•Photoelectrochemical Biosensor Based on Bismuth@N,Oâ€Codopedâ€Carbon Coreâ€Shell Nanohybrids for Ultrasensitive Detection of Telomerase in HeLa Cells. Chemistry - A European Journal, 2018, 24, 3677-3682.	1.7	35
97	A â€œSignal Onâ€•Photoelectrochemical Biosensor Based on Bismuth@N,O-Codoped-Carbon Core-Shell Nanohybrids for Ultrasensitive Detection of Telomerase in HeLa Cells. Chemistry - A European Journal, 2018, 24, 3638-3638.	1.7	1
98	Ultrathin palladium nanosheets with selectively controlled surface facets. Chemical Science, 2018, 9, 4451-4455.	3.7	89
99	Quantification of glutathione in single cells from rat liver by microchip electrophoresis with chemiluminescence detection. Talanta, 2018, 179, 466-471.	2.9	23
100	Defectâ€Rich Ni₃FeN Nanocrystals Anchored on Nâ€Doped Graphene for Enhanced Electrocatalytic Oxygen Evolution. Advanced Functional Materials, 2018, 28, 1706018.	7.8	169
101	A novel chemiluminescence signal amplification strategy based on a capillary electrophoresis platform for highly sensitive competitive immunoassay of biomolecules. Analytical Methods, 2018, 10, 5499-5506.	1.3	2
102	Capsicum-Derived Biomass Quantum Dots Coupled with Alizarin Red S as an Inner-Filter-Mediated Illuminant Nanosystem for Imaging of Intracellular Calcium Ions. Analytical Chemistry, 2018, 90, 13059-13064.	3.2	35
103	High-Performance Flexible In-Plane Micro-Supercapacitors Based on Vertically Aligned CuSe@Ni(OH)₂ Hybrid Nanosheet Films. ACS Applied Materials & Interfaces, 2018, 10, 38341-38349.	4.0	41
104	Dual functionalized natural biomass carbon dots from lychee exocarp for cancer cell targetable near-infrared fluorescence imaging and photodynamic therapy. Nanoscale, 2018, 10, 18124-18130.	2.8	76
105	Self-assembled nanomaterials for synergistic antitumour therapy. Journal of Materials Chemistry B, 2018, 6, 6685-6704.	2.9	26
106	Ultrasensitive fluorescent detection of nucleic acids based on label-free enzymatic-assisted cascade signal amplification. Analytica Chimica Acta, 2018, 1039, 91-97.	2.6	13
107	Real-time tracing the changes in the intracellular pH value during apoptosis by near-infrared ratiometric fluorescence imaging. Chemical Communications, 2018, 54, 9071-9074.	2.2	21
108	Aptamer and IR820 Dualâ€Functionalized Carbon Dots for Targeted Cancer Therapy against Hypoxic Tumors Based on an 808 nm Laserâ€Triggered Threeâ€Pathway Strategy. Advanced Therapeutics, 2018, 1, 1800041.	1.6	24

#	Article	IF	Citations
109	A simple and rapid dual-cycle amplification strategy for microRNA based on graphene oxide and exonuclease III-assisted fluorescence recovery. Analytical Methods, 2018, 10, 3777-3782.	1.3	4
110	A fluorescent aptasensor based on single oligonucleotide-mediated isothermal quadratic amplification and graphene oxide fluorescence quenching for ultrasensitive protein detection. Analyst, The, 2018, 143, 3918-3925.	1.7	17
111	Rapid and label-free fluorescence bioassay for microRNA based on exonuclease III-assisted cycle amplification. RSC Advances, 2018, 8, 15967-15972.	1.7	7
112	A novel multiplex signal amplification strategy based on microchip electrophoresis platform for the improved separation and detection of microRNAs. Talanta, 2018, 189, 437-441.	2.9	18
113	3D Porous Nanoarchitectures Derived from SnS/Sâ€Doped Graphene Hybrid Nanosheets for Flexible Allâ€Solidâ€State Supercapacitors. Small, 2017, 13, 1603494.	5.2	55
114	Sensitive and label-free fluorescence detection of apurinic/apyrimidinic endonuclease 1 activity based on isothermal amplified-generation of G-quadruplex. New Journal of Chemistry, 2017, 41, 1893-1896.	1.4	18
115	Component-Controlled Synthesis of Necklace-Like Hollow Ni_XRu_y Nanoalloys as Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 17326-17336.	4.0	60
116	Chemiluminescence noncompetitive immunoassay based on microchip electrophoresis for the determination of Î²-subunit of human chorionic gonadotropin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1053, 42-47.	1.2	7
117	Green Preparation of S and N Co-Doped Carbon Dots from Water Chestnut and Onion as Well as Their Use as an Offâ€“On Fluorescent Probe for the Quantification and Imaging of Coenzyme A. ACS Sustainable Chemistry and Engineering, 2017, 5, 4992-5000.	3.2	140
118	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metalâ€“Organic Frameworks and Ti₃C₂T_x Nanosheets for Electrocatalytic Oxygen Evolution. ACS Nano, 2017, 11, 5800-5807.	7.3	557
119	Fluorescent carbon dots with tunable emission by dopamine for sensing of intracellular pH, elementary arithmetic operations and a living cell imaging based INHIBIT logic gate. Journal of Materials Chemistry B, 2017, 5, 5265-5271.	2.9	26
120	Self-assembled nanoporous graphene quantum dot-Mn₃O₄ nanocomposites for surface-enhanced Raman scattering based identification of cancer cells. RSC Advances, 2017, 7, 18658-18667.	1.7	15
121	Supercapacitors: 3D Porous Nanoarchitectures Derived from SnS/Sâ€Doped Graphene Hybrid Nanosheets for Flexible Allâ€Solidâ€State Supercapacitors (Small 12/2017). Small, 2017, 13, .	5.2	0
122	A highly sensitive capillary electrophoresis immunoassay strategy based on dualâ€labeled gold nanoparticles enhancing chemiluminescence for the detection of prostateâ€specific antigen. Electrophoresis, 2017, 38, 1780-1787.	1.3	15
123	Photoluminescence light-up detection of zinc ion and imaging in living cells based on the aggregation induced emission enhancement of glutathione-capped copper nanoclusters. Biosensors and Bioelectronics, 2017, 94, 523-529.	5.3	123
124	A microchip electrophoresis-based fluorescence signal amplification strategy for highly sensitive detection of biomolecules. Chemical Communications, 2017, 53, 455-458.	2.2	34
125	A novel microchip electrophoresis-based chemiluminescence immunoassay for the detection of alpha-fetoprotein in human serum. Talanta, 2017, 165, 107-111.	2.9	35
126	A silver nanorod based SERS assay for the homogeneous detection of uracil-DNA glycosylase activity. Analytical Methods, 2017, 9, 786-791.	1.3	9

#	Article	IF	Citations
127	Novel surfactant-directed synthesis of ultra-thin palladium nanosheets as efficient electrocatalysts for glycerol oxidation. Chemical Communications, 2017, 53, 1642-1645.	2.2	47
128	Free-labelled fluorescent method for ATP detection assisted by T4 DNA ligase. Analytical Methods, 2017, 9, 1046-1049.	1.3	6
129	Direct Analysis of Biofluids by Mass Spectrometry with Microfluidic Voltage-Assisted Liquid Desorption Electrospray Ionization. Analytical Chemistry, 2017, 89, 12014-12022.	3.2	10
130	Preparation of Magnetic Microsphereâ€Gold Nanoparticleâ€Immobilized Enzyme Batch Reactor and Its Application to Enzyme Inhibitor Screening in Natural Extracts by Capillary Electrophoresis. Chinese Journal of Chemistry, 2017, 35, 943-948.	2.6	5
131	A novel fluorescence polarization assay for copper ions based on DNA-templated click chemistry and amplification of nanoparticles. RSC Advances, 2017, 7, 55668-55672.	1.7	9
132	A novel dual target simultaneous chemiluminescence signal amplification strategy for enhancing sensitivity of multiple biomolecule detection. Analytical Methods, 2017, 9, 6785-6790.	1.3	2
133	Unique Approach To Develop Carbon Dot-Based Nanohybrid Near-Infrared Ratiometric Fluorescent Sensor for the Detection of Mercury Ions. Analytical Chemistry, 2017, 89, 8044-8049.	3.2	190
134	A T7exonucleaseâ€assisted target recycling amplification with graphene oxide acting as the signal amplifier for fluorescence polarization detection of human immunodeficiency virus (HIV) DNA. Luminescence, 2016, 31, 573-579.	1.5	21
135	Nitrogen-rich functional groups carbon nanoparticles based fluorescent pH sensor with broad-range responding for environmental and live cells applications. Biosensors and Bioelectronics, 2016, 82, 233-239.	5.3	50
136	Facilely prepared Fe₃O₄/nitrogen-doped graphene quantum dot hybrids as a robust nonenzymatic catalyst for visual discrimination of phenylenediamine isomers. Nanoscale, 2016, 8, 10814-10822.	2.8	71
137	Microfluidic Platform with In-Chip Electrophoresis Coupled to Mass Spectrometry for Monitoring Neurochemical Release from Nerve Cells. Analytical Chemistry, 2016, 88, 5338-5344.	3.2	28
138	A microchip electrophoresis-mass spectrometric platform with double cell lysis nano-electrodes for automated single cell analysis. Journal of Chromatography A, 2016, 1451, 156-163.	1.8	39
139	Novel autonomous protein-encoded aptamer nanomachines and isothermal exponential amplification for ultrasensitive fluorescence polarization sensing of small molecules. RSC Advances, 2016, 6, 86043-86050.	1.7	16
140	Two-dimensional nanostructures of non-layered ternary thiospinels and their bifunctional electrocatalytic properties for oxygen reduction and evolution: the case of CuCo₂S₄nanosheets. Inorganic Chemistry Frontiers, 2016, 3, 1501-1509.	3.0	69
141	Coralloid Co₂P₂O₇ Nanocrystals Encapsulated by Thin Carbon Shells for Enhanced Electrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 22534-22544.	4.0	91
142	Electrophoresis separation assisted G-quadruplex DNAzyme-based chemiluminescence signal amplification strategy on a microchip platform for highly sensitive detection of microRNA. Chemical Communications, 2016, 52, 12806-12809.	2.2	25
143	Realâ€Time Chiral Metabolic Monitoring of Single Cell Using Microchip Electrophoresis Coupled with Electrospray Ionization Mass Spectrometry. ChemistrySelect, 2016, 1, 5554-5560.	0.7	12
144	Ultrasensitive nuclease activity and inhibition assay using microchip electrophoresis with laser induced fluorescence detection. Analytical Methods, 2016, 8, 1852-1857.	1.3	9

#	Article	IF	Citations
145	Facile preparation of fluorescent polydihydroxyphenylalanine nanoparticles for label-free detection of copper ions. Sensors and Actuators B: Chemical, 2016, 225, 334-339.	4.0	30
146	Silver Nanoparticles/N-Doped Carbon-Dots Nanocomposites Derived from Siraitia Grosvenorii and Its Logic Gate and Surface-Enhanced Raman Scattering Characteristics. ACS Sustainable Chemistry and Engineering, 2016, 4, 1728-1735.	3.2	49
147	Oligonucleotide-stabilized fluorescent silver nanoclusters for the specific and sensitive detection of biotin. Analyst, The, 2016, 141, 1499-1505.	1.7	9
148	Sulfur and nitrogen binary doped carbon dots derived from ammonium thiocyanate for selective probing doxycycline in living cells and multicolor cell imaging. Talanta, 2016, 150, 324-330.	2.9	82
149	Nitrogen and Phosphorus Co-Doped Carbon Nanodots as a Novel Fluorescent Probe for Highly Sensitive Detection of Fe³⁺ in Human Serum and Living Cells. ACS Applied Materials & Interfaces, 2016, 8, 10717-10725.	4.0	294
150	Green synthesis of stable and biocompatible fluorescent carbon dots from peanut shells for multicolor living cell imaging. New Journal of Chemistry, 2016, 40, 1698-1703.	1.4	167
151	Graphene quantum dots as effective probes for label-free fluorescence detection of dopamine. Sensors and Actuators B: Chemical, 2016, 223, 246-251.	4.0	183
152	Monoclinic Copper(I) Selenide Nanocrystals and Copper(I) Selenide/Palladium Heterostructures: Synthesis, Characterization, and Surface-Enhanced Raman Scattering Performance. European Journal of Inorganic Chemistry, 2015, 2015, 2229-2236.	1.0	13
153	A novel exonuclease III-aided amplification assay based on a graphene platform for sensitive detection of adenosine triphosphate. Analytical Methods, 2015, 7, 3708-3713.	1.3	12
154	A sensitive fluorescence turn-on assay of bleomycin and nuclease using WS2 nanosheet as an effective sensing platform. Analytica Chimica Acta, 2015, 866, 84-89.	2.6	39
155	Hairpin assembly-triggered cyclic activation of a DNA machine for label-free and ultrasensitive chemiluminescence detection of DNA. Biosensors and Bioelectronics, 2015, 68, 550-555.	5.3	63
156	Synthesis of a mixed valence state Ce-MOF as an oxidase mimetic for the colorimetric detection of biothiols. Chemical Communications, 2015, 51, 4635-4638.	2.2	270
157	An enhanced chemiluminescence resonance energy transfer system based on target recycling G-guadruplexes/hemin DNAzyme catalysis and its application in ultrasensitive detection of DNA. Talanta, 2015, 138, 59-63.	2.9	14
158	A G-quadruplex-based colorimetric assay of S1 nuclease activity and inhibition. Analytical Methods, 2015, 7, 5600-5605.	1.3	12
159	Attomolar Detection of Proteins via Cascade Strand-Displacement Amplification and Polystyrene Nanoparticle Enhancement in Fluorescence Polarization Aptasensors. Analytical Chemistry, 2015, 87, 8107-8114.	3.2	52
160	Label-free and amplified colorimetric assay of ribonuclease H activity and inhibition based on a novel enzyme-responsive DNAzyme cascade. RSC Advances, 2015, 5, 43105-43109.	1.7	15
161	One-pot green synthesis of oxygen-rich nitrogen-doped graphene quantum dots and their potential application in pH-sensitive photoluminescence and detection of mercury(II) ions. Talanta, 2015, 142, 131-139.	2.9	151
162	Homogeneous chemiluminescent DNA assay based on allosteric activation of peroxidase-mimicking DNAzyme. RSC Advances, 2015, 5, 82865-82868.	1.7	4

#	Article	IF	Citations
163	A label free fluorescent assay for uracil-DNA glycosylase activity based on the signal amplification of exonuclease I. RSC Advances, 2015, 5, 80871-80874.	1.7	16
164	Tungsten disulfide nanosheet and exonuclease III co-assisted amplification strategy for highly sensitive fluorescence polarization detection of DNA glycosylase activity. Analytica Chimica Acta, 2015, 887, 216-223.	2.6	29
165	Aptamer-based microchip electrophoresis assays for amplification detection of carcinoembryonic antigen. Clinica Chimica Acta, 2015, 450, 304-309.	0.5	21
166	A fluorescence polarization assay for nucleic acid based on the amplification of hybridization chain reaction and nanoparticles. Sensors and Actuators B: Chemical, 2015, 209, 116-121.	4.0	28
167	A label-free fluorescent assay for free chlorine in drinking water based on protein-stabilized gold nanoclusters. Talanta, 2015, 132, 790-795.	2.9	33
168	Graphitic carbon nitride nanosheet-based multicolour fluorescent nanoprobe for multiplexed analysis of DNA. Mikrochimica Acta, 2015, 182, 949-955.	2.5	44
169	Nicking enzyme and graphene oxide-based dual signal amplification for ultrasensitive aptamer-based fluorescence polarization assays. Biosensors and Bioelectronics, 2015, 63, 178-184.	5.3	58
170	Simultaneous quantification of 5-hydroxyindoleacetic acid and 5-hydroxytryptamine by capillary electrophoresis with quantum dot and horseradish peroxidase enhanced chemiluminescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 967, 190-194.	1.2	18
171	Fe3O4@ionic liquid@methyl orange nanoparticles as a novel nano-adsorbent for magnetic solid-phase extraction of polycyclic aromatic hydrocarbons in environmental water samples. Talanta, 2014, 119, 341-347.	2.9	77
172	A carbon nanotubes based fluorescent aptasensor for highly sensitive detection of adenosine deaminase activity and inhibitor screening in natural extracts. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 164-168.	1.4	25
173	Carbon nanotube signal amplification for ultrasensitive fluorescence polarization detection of DNA methyltransferase activity and inhibition. Biosensors and Bioelectronics, 2014, 54, 285-291.	5.3	54
174	<scp>CE</scp> with chemiluminescence detection for the determination of thyroxine in human serum. Electrophoresis, 2014, 35, 962-966.	1.3	10
175	Label-free fluorescence turn-on sensing for melamine based on fluorescence resonance energy transfer between CdTe/CdS quantum dots and gold nanoparticles. RSC Advances, 2014, 4, 61667-61672.	1.7	17
176	An enhanced fluorescence polarization strategy based on multiple proteinâ€“DNAâ€“protein structures for sensitive detection of PDGF-BB. RSC Advances, 2014, 4, 6850.	1.7	15
177	Homogeneous label-free colorimetric strategy for convenient bleomycin detection based on bleomycin enhanced Fe(<scp>ii</scp>)â€“H₂O₂â€“ABTS reaction. Analytical Methods, 2014, 6, 7973-7977.	1.3	17
178	A G-quadruplex DNAzyme chemiluminescence aptasensor based on the target triggered DNA recycling for sensitive detection of adenosine. Analytical Methods, 2014, 6, 3700.	1.3	9
179	Improved method for chemiluminescent determination of peroxidase-mimicking DNAzyme activity. Analytical Biochemistry, 2014, 466, 19-23.	1.1	15
180	Amplified Chemiluminescence Detection of DNA by Strand-Displacement Polymerization Target Recycling and G-quadruplexes/Hemin DNAzyme Catalysis. Plasmonics, 2014, 9, 1155-1161.	1.8	4

#	Article	IF	Citations
181	Signal amplification in capillary electrophoresis based chemiluminescent immunoassays by using an antibodyâ€“gold nanoparticleâ€“DNAzyme assembly. Talanta, 2014, 124, 14-20.	2.9	29
182	Homogeneous immunoassay of cortisol based on microchip electrophoresis with chemiluminescence detection. Analytical Methods, 2013, 5, 5657.	1.3	7
183	Simple and highly sensitive molecular beacon probe based on target-induced structure-switching DNA for mercury(ii) detection. Analytical Methods, 2013, 5, 6762.	1.3	4
184	A multicolor nano-immunosensor for the detection of multiple targets. RSC Advances, 2013, 3, 13884.	1.7	9
185	A gold nanoparticle-enhanced fluorescence polarization biosensor for amplified detection of T4 polynucleotide kinase activity and inhibition. Journal of Materials Chemistry B, 2013, 1, 2018.	2.9	48
186	Highly sensitive immunoassay of carcinoembryonic antigen by capillary electrophoresis with gold nanoparticles amplified chemiluminescence detection. Journal of Chromatography A, 2013, 1282, 161-166.	1.8	63
187	Mass-amplifying quantum dots in a fluorescence polarization-based aptasensor for ATP. Mikrochimica Acta, 2013, 180, 203-209.	2.5	27
188	An amplified graphene oxide-based fluorescence aptasensor based on target-triggered aptamer hairpin switch and strand-displacement polymerization recycling forbioassays. Biosensors and Bioelectronics, 2013, 42, 598-602.	5.3	45
189	A Homogeneous Immunoassay of Thyroxine Based on Microchip Electrophoresis and Chemiluminescence Detection. Methods in Molecular Biology, 2013, 919, 79-85.	0.4	4
190	An amplified single-walled carbon nanotube-mediated chemiluminescence turn-on sensing platform for ultrasensitive DNA detection. Chemical Communications, 2012, 48, 9400.	2.2	27
191	Introducing chemiluminescence resonance energy transfer into immunoassay in a microfluidic format for an improved assay sensitivity. Chemical Communications, 2012, 48, 699-701.	2.2	39
192	Nonenzymatic chemiluminescence resonance energy transfer: an efficient technique for selective and sensitive detection of silver ion. Analytical Methods, 2012, 4, 1927.	1.3	11
193	Amplified fluorescence polarization aptasensors based on structure-switching-triggered nanoparticles enhancement for bioassays. Chemical Communications, 2012, 48, 7480.	2.2	69
194	An amplified chemiluminescence aptasensor based on bi-resonance energy transfer on gold nanoparticles and exonuclease III-catalyzed target recycling. Chemical Communications, 2012, 48, 11877.	2.2	26
195	One-way multiplexed immunoassay strategy for simultaneous determination of multi-analytes by microchip electrophoresis. Analyst, The, 2011, 136, 2119.	1.7	10
196	CE Method with Partial Filling Techniques for Screening of Xanthine Oxidase Inhibitor in Traditional Chinese Medicine. Chromatographia, 2011, 73, 583-587.	0.7	14
197	A sensitive and rapid immunoassay for quantification of testosterone by microchip electrophoresis with enhanced chemiluminescence detection. Electrophoresis, 2011, 32, 3196-3200.	1.3	21
198	A gold nanoparticle-mediated enzyme bioreactor for inhibitor screening by capillary electrophoresis. Analytical Biochemistry, 2011, 411, 88-93.	1.1	42

#	Article	IF	Citations
199	Quantification of taurine and amino acids in mice single fibrosarcoma cell by microchip electrophoresis coupled with chemiluminescence detection. Electrophoresis, 2010, 31, 1630-1636.	1.3	29
200	A Nonenzymatic Chemiluminescent Reaction Enabling Chemiluminescence Resonance Energy Transfer to Quantum Dots. Chemistry - A European Journal, 2010, 16, 6142-6145.	1.7	37
201	Chemiluminescence Resonance Energy Transfer-Based Detection for Microchip Electrophoresis. Analytical Chemistry, 2010, 82, 2036-2041.	3.2	96
202	Gold nanoparticleâ€enhanced chemiluminescence detection for CE. Electrophoresis, 2009, 30, 1059-1065.	1.3	29
203	Gold nanoparticleâ€enhanced capillary electrophoresisâ€chemiluminescence assay of trace uric acid. Electrophoresis, 2009, 30, 2676-2680.	1.3	28
204	Quantification of biogenic amines by microchip electrophoresis with chemiluminescence detection. Journal of Chromatography A, 2009, 1216, 5155-5159.	1.8	52
205	Microchip electrophoresis with chemiluminescence detection for assaying ascorbic acid and amino acids in single cells. Journal of Chromatography A, 2009, 1216, 6746-6751.	1.8	36
206	Quantification of carnosine-related peptides by microchip electrophoresis with chemiluminescence detection. Analytical Biochemistry, 2009, 393, 105-110.	1.1	33
207	Detection of Agmatine and Octopamine in Rat Brain and Human Plasma by Microchip Electrophoresis. Chromatographia, 2009, 70, 1651-1657.	0.7	2
208	Integrated Microfluidic System with Chemiluminescence Detection for Single Cell Analysis after Intracellular Labeling. Analytical Chemistry, 2009, 81, 3873-3878.	3.2	76
209	Determination of uric acid in human urine and serum by capillary electrophoresis with chemiluminescence detection. Analytical Biochemistry, 2008, 378, 127-131.	1.1	80
210	Fingerprint Analysis of Zanthoxylum nitidum by Nonaqueous CE. Chromatographia, 2008, 68, 475-479.	0.7	16
211	Determination of levodopa by capillary electrophoresis with chemiluminescence detection. Talanta, 2007, 73, 142-146.	2.9	71
212	Determination of agmatine in biological samples by capillary electrophoresis with chemiluminescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 832, 52-57.	1.2	10
213	Capillary electrophoresis enantioselective separation of vigabatrin enantiomers by precolumn derivatization with dehydroabietylisothiocyante and UVâ€“vis detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 833, 186-190.	1.2	23
214	Degradingdehydroabietylisothiocyanate as a chiral derivatizing reagent for enantiomeric separations by capillary electrophoresis. Electrophoresis, 2006, 27, 3428-3433.	1.3	19
215	A facile and sensitive chemiluminescence detection of amino acids in biological samples after capillary electrophoretic separation. Electrophoresis, 2005, 26, 1745-1750.	1.3	49
216	A novel capillary electrophoresis method for the determination of -serine in neural samples. Talanta, 2005, 67, 212-216.	2.9	56

#	Article	IF	Citations
217	Determination of Proteins Using the p-Acetylchlorophosphonazo-Barium(II) Complex as a Spectroprobe. Analytical Sciences, 2003, 19, 1173-1176.	0.8	1