

Kemin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2103027/publications.pdf>

Version: 2024-02-01

311
papers

14,732
citations

19657

61
h-index

28297

105
g-index

313
all docs

313
docs citations

313
times ranked

13075
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA tetrahedron-based split aptamer probes for reliable imaging of ATP in living cells. Chinese Chemical Letters, 2023, 34, 107506.	9.0	4
2	Optical fiber amplifier and thermometer assisted point-of-care biosensor for detection of cancerous exosomes. Sensors and Actuators B: Chemical, 2022, 351, 130893.	7.8	10
3	A pyrene-pyridyl nano-oligomer as a methoxy-triggered reactive probe for highly specific fluorescence assaying of hypochlorite. Chemical Communications, 2022, , .	4.1	1
4	A novel FRET-based dendritic hybridization chain reaction for tumour-related mRNA imaging. Chemical Communications, 2022, 58, 1414-1417.	4.1	7
5	Sequence-Dependent DNA-Mediated Fluorescent Polydopamine Nanoparticles for Detection and Removal of Copper(II) ions. ACS Applied Nano Materials, 2022, 5, 2038-2047.	5.0	4
6	Membrane Protein and Extracellular Acid Heterogeneity-Driven Amplified DNA Logic Gate Enables Accurate and Sensitive Identification of Cancer Cells. Analytical Chemistry, 2022, 94, 2502-2509.	6.5	23
7	A Self-Serviceable Track 3D DNA Walker for Ultrasensitive Detection of Tumor Exosomes by Glycoprotein Profiling. Angewandte Chemie, 2022, 134, .	2.0	6
8	A Self-Serviceable Track 3D DNA Walker for Ultrasensitive Detection of Tumor Exosomes by Glycoprotein Profiling. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
9	Activatable Dual Cancer-Related RNA Imaging and Combined Gene-Chemotherapy through the Target-Induced Intracellular Disassembly of Functionalized DNA Tetrahedron. Analytical Chemistry, 2022, 94, 5937-5945.	6.5	10
10	Functional nucleic acid-based fluorescent probes for metal ion detection. Coordination Chemistry Reviews, 2022, 459, 214453.	18.8	19
11	A label-free cyclic amplification strategy for microRNA detection by coupling graphene oxide-controlled adsorption with superlong poly(thymine)-hosted fluorescent copper nanoparticles. Talanta, 2022, 243, 123323.	5.5	5
12	Photocaged amplified FRET nanoflares: spatiotemporal controllable of mRNA-powered nanomachines for precise and sensitive microRNA imaging in live cells. Nucleic Acids Research, 2022, 50, e40-e40.	14.5	17
13	Auto-cycling primer extension for amplified microRNA detection. Chemical Communications, 2022, 58, 6020-6023.	4.1	4
14	Acidic microenvironment triggered <i>in situ</i> assembly of activatable three-arm aptamer nanoclaw for contrast-enhanced imaging and tumor growth inhibition <i>in vivo</i> . Theranostics, 2022, 12, 3474-3487.	10.0	4
15	Polymer-assisted Au@PDA nanoparticles lyophilized powder with high stability and low adsorption and its application in colorimetric biosensing. Analytica Chimica Acta, 2022, 1220, 339995.	5.4	5
16	Integrating DNA nanostructures with DNAzymes for biosensing, bioimaging and cancer therapy. Coordination Chemistry Reviews, 2022, 468, 214651.	18.8	18
17	Enzyme-active liquid coacervate microdroplets as artificial membraneless organelles for intracellular ROS scavenging. Biomaterials Science, 2022, 10, 4588-4595.	5.4	1
18	Highly sensitive detection of cancer cells via split aptamer mediated proximity-induced hybridization chain reaction. Talanta, 2021, 223, 121724.	5.5	12

#	ARTICLE	IF	CITATIONS
19	Controlled dimerization of artificial membrane receptors for transmembrane signal transduction. <i>Chemical Science</i> , 2021, 12, 8224-8230.	7.4	21
20	A MnO ₂ nanosheet-mediated photo-controlled DNAzyme for intracellular miRNA cleavage to suppress cell growth. <i>Analyst</i> , 2021, 146, 3391-3398.	3.5	5
21	An ion transport switch based on light-responsive conformation-dependent G-quadruplex transmembrane channels. <i>Chemical Communications</i> , 2021, 57, 8214-8217.	4.1	10
22	An endogenous stimulus detonated nanocluster-bomb for contrast-enhanced cancer imaging and combination therapy. <i>Chemical Science</i> , 2021, 12, 12118-12129.	7.4	7
23	Giant Coacervate Vesicles As an Integrated Approach to Cytomimetic Modeling. <i>Journal of the American Chemical Society</i> , 2021, 143, 2866-2874.	13.7	82
24	In Situ Modulating DNAzyme Activity and Internalization Behavior with Acid-Initiated Reconfigurable DNA Nanodevice for Activatable Theranostic. <i>Analytical Chemistry</i> , 2021, 93, 5629-5634.	6.5	7
25	NIR-Controlled Treatment of Multidrug-Resistant Tumor Cells by Mesoporous Silica Capsules Containing Gold Nanorods and Doxorubicin. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14894-14910.	8.0	19
26	Ratiometric Fluorescent DNA Nanostructure for Mitochondrial ATP Imaging in Living Cells Based on Hybridization Chain Reaction. <i>Analytical Chemistry</i> , 2021, 93, 6715-6722.	6.5	27
27	Enzymatic Behavior Regulation-Based Colorimetric and Electrochemiluminescence Sensing of Phosphate Using the Cobalt Oxyhydroxide Nanosheet. <i>Analytical Chemistry</i> , 2021, 93, 6770-6778.	6.5	25
28	Orderly Assembled, Self-Powered FRET Flares for MicroRNA Imaging in Live Cells. <i>Analytical Chemistry</i> , 2021, 93, 6270-6277.	6.5	16
29	Identification of a New DNA Aptamer by Tissue-SELEX for Cancer Recognition and Imaging. <i>Analytical Chemistry</i> , 2021, 93, 7369-7377.	6.5	27
30	Photothermally Activated Coacervate Model Protocells as Signal Transducers Endow Mammalian Cells with Light Sensitivity. <i>Advanced Biology</i> , 2021, 5, e2100695.	2.5	1
31	In Situ Hand-in-Hand DNA Tile Assembly: A pH-Driven and Aptamer-Targeted DNA Nanostructure for TK1 mRNA Visualization and Synergetic Killing of Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 10511-10518.	6.5	15
32	A label-free and homogenous electrochemical assay for matrix metalloproteinase 2 activity monitoring in complex samples based on electrodes modified with orderly distributed mesoporous silica films. <i>Talanta</i> , 2021, 231, 122418.	5.5	6
33	Microcapillary-based multicolor assay for quantitative and sensitive point-of-care testing of proteins. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113370.	10.1	3
34	A self-assembled DNA nanostructure as a FRET nanoflare for intracellular ATP imaging. <i>Chemical Communications</i> , 2021, 57, 6257-6260.	4.1	11
35	Self-immobilization of coacervate droplets by enzyme-mediated hydrogelation. <i>Chemical Communications</i> , 2021, 57, 5438-5441.	4.1	9
36	Ultrafine fluorene-pyridine oligoelectrolyte nanoparticles for supersensitive fluorescence sensing of heparin and protamine. <i>Chemical Communications</i> , 2021, 57, 8304-8307.	4.1	7

#	ARTICLE	IF	CITATIONS
37	Dual-MicroRNA-regulation of singlet oxygen generation by a DNA-tetrahedron-based molecular logic device. <i>Chemical Communications</i> , 2021, 57, 3873-3876.	4.1	6
38	Endogenous miRNA-Activated DNA Nanomachine for Intracellular miRNA Imaging and Gene Silencing. <i>Analytical Chemistry</i> , 2021, 93, 13919-13927.	6.5	23
39	Engineering a Facile Aptamer-Molecule-Doctor with Hairpin-Contained I-Motif Enables Accurate Imaging and Killing of Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 14552-14559.	6.5	10
40	Coacervate microdroplet protocell-mediated gene transfection for nitric oxide production and induction of cell apoptosis. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9784-9793.	5.8	4
41	A photosensitizer-loaded zinc oxide-polydopamine core-shell nanotherapeutic agent for photodynamic and photothermal synergistic therapy of cancer cells. <i>Chinese Chemical Letters</i> , 2020, 31, 189-192.	9.0	42
42	Near-infrared photothermal release of hydrogen sulfide from nanocomposite hydrogels for anti-inflammation applications. <i>Chinese Chemical Letters</i> , 2020, 31, 787-791.	9.0	20
43	Exploring Interactions of Aptamers with A β ₄₀ Amyloid Aggregates and Its Application: Detection of Amyloid Aggregates. <i>Analytical Chemistry</i> , 2020, 92, 2853-2858.	6.5	29
44	Engineering DNAzyme cascade for signal transduction and amplification. <i>Analyst</i> , The, 2020, 145, 1925-1932.	3.5	3
45	FRET-based nucleic acid probes: Basic designs and applications in bioimaging. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115784.	11.4	29
46	Liposome-Stabilized Black Phosphorus for Photothermal Drug Delivery and Oxygen Self-Enriched Photodynamic Therapy. <i>ACS Applied Nano Materials</i> , 2020, 3, 563-575.	5.0	32
47	Investigation of the interaction between split aptamer and vascular endothelial growth factor 165 using single molecule force spectroscopy. <i>Journal of Molecular Recognition</i> , 2020, 33, e2829.	2.1	5
48	Engineering and Application of a Myoglobin Binding Split Aptamer. <i>Analytical Chemistry</i> , 2020, 92, 14576-14581.	6.5	9
49	A DNAzyme cascade for amplified detection of intracellular miRNA. <i>Chemical Communications</i> , 2020, 56, 10163-10166.	4.1	17
50	Enzyme-mediated nitric oxide production in vasoactive erythrocyte membrane-enclosed coacervate protocells. <i>Nature Chemistry</i> , 2020, 12, 1165-1173.	13.6	101
51	Development of DNA Aptamer as a β -Amyloid Aggregation Inhibitor. <i>ACS Applied Bio Materials</i> , 2020, 3, 8611-8618.	4.6	20
52	The mechanisms of HSA@PDA/Fe nanocomposites with enhanced nanozyme activity and their application in intracellular H ₂ O ₂ detection. <i>Nanoscale</i> , 2020, 12, 24206-24213.	5.6	15
53	Photothermal and fluorescent dual-mode assay based on the formation of polydopamine nanoparticles for accurate determination of organophosphate pesticides. <i>Mikrochimica Acta</i> , 2020, 187, 652.	5.0	16
54	Construction of coacervate-in-coacervate multi-compartment protocells for spatial organization of enzymatic reactions. <i>Chemical Science</i> , 2020, 11, 8617-8625.	7.4	73

#	ARTICLE	IF	CITATIONS
55	DNA Hydrogelation-Enhanced Imaging Ellipsometry for Sensing Exosomal microRNAs with a Tunable Detection Range. <i>Analytical Chemistry</i> , 2020, 92, 11953-11959.	6.5	25
56	Amplified FRET Nanoflares: An Endogenous mRNA-Powered Nanomachine for Intracellular MicroRNA Imaging. <i>Angewandte Chemie</i> , 2020, 132, 20279-20286.	2.0	12
57	Amplified FRET Nanoflares: An Endogenous mRNA-Powered Nanomachine for Intracellular MicroRNA Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20104-20111.	13.8	61
58	Amplified AND logic platform for cell identification. <i>Chemical Communications</i> , 2020, 56, 11267-11270.	4.1	12
59	A sandwich-type surface-enhanced Raman scattering sensor using dual aptamers and gold nanoparticles for the detection of tumor extracellular vesicles. <i>Analyst, The</i> , 2020, 145, 6232-6236.	3.5	11
60	A Mimosa-Inspired Cell-Surface-Anchored Ratiometric DNA Nanosensor for High-Resolution and Sensitive Response of Target Tumor Extracellular pH. <i>Analytical Chemistry</i> , 2020, 92, 15104-15111.	6.5	24
61	Mutual Interaction Models: Invasion and Defense Interactions between Enzyme-Active Liquid Coacervate Protocells and Living Cells (<i>Small</i> 29/2020). <i>Small</i> , 2020, 16, 2070162.	10.0	0
62	A three-dimensional multipedal DNA walker for the ultrasensitive detection of tumor exosomes. <i>Chemical Communications</i> , 2020, 56, 12949-12952.	4.1	27
63	Invasion and Defense Interactions between Enzyme-Active Liquid Coacervate Protocells and Living Cells. <i>Small</i> , 2020, 16, e2002073.	10.0	20
64	Enzyme-free amplified detection of miRNA based on target-catalyzed hairpin assembly and DNA-stabilized fluorescent silver nanoclusters. <i>Analyst, The</i> , 2020, 145, 5194-5199.	3.5	30
65	Lipophilic G-Quadruplex Isomers as Biomimetic Ion Channels for Conformation-Dependent Selective Transmembrane Transport. <i>Analytical Chemistry</i> , 2020, 92, 10169-10176.	6.5	14
66	Novel pyrene-pyridine oligomer nanorods for super-sensitive fluorescent detection of Pd ²⁺ . <i>Analyst, The</i> , 2020, 145, 5631-5637.	3.5	6
67	NIR-triggered drug delivery system based on phospholipid coated ordered mesoporous carbon for synergistic chemo-photothermal therapy of cancer cells. <i>Chinese Chemical Letters</i> , 2020, 31, 3158-3162.	9.0	48
68	Extracellular pH-manipulated in situ reconfiguration of aptamer functionalized DNA monomer enables specifically improved affinity, detection and drug delivery. <i>Analyst, The</i> , 2020, 145, 2562-2569.	3.5	9
69	Self-Assembled DNA Nanostructures-Based Nanocarriers Enabled Functional Nucleic Acids Delivery. <i>ACS Applied Bio Materials</i> , 2020, 3, 2779-2795.	4.6	21
70	<i>In situ</i> multiplex detection of serum exosomal microRNAs using an all-in-one biosensor for breast cancer diagnosis. <i>Analyst, The</i> , 2020, 145, 3289-3296.	3.5	57
71	A DNA tetrahedron-based molecular computation device for the logic sensing of dual microRNAs in living cells. <i>Chemical Communications</i> , 2020, 56, 5303-5306.	4.1	10
72	Surface plasmon resonance assay for exosomes based on aptamer recognition and polydopamine-functionalized gold nanoparticles for signal amplification. <i>Mikrochimica Acta</i> , 2020, 187, 251.	5.0	31

#	ARTICLE	IF	CITATIONS
73	Intramolecular trigger remodeling-induced HCR for amplified detection of protein-specific glycosylation. <i>Talanta</i> , 2020, 215, 120889.	5.5	8
74	Selection of Affinity Reagents to Neutralize the Hemolytic Toxicity of Melittin Based on a Self-Assembled Nanoparticle Library. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16040-16049.	8.0	11
75	Recognition-Driven Remodeling of Dual-Split Aptamer Triggering In Situ Hybridization Chain Reaction for Activatable and Autonomous Identification of Cancer Cells. <i>Analytical Chemistry</i> , 2020, 92, 10839-10846.	6.5	34
76	Self-assembled DNA-Based geometric polyhedrons: Construction and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 126, 115844.	11.4	8
77	Hydrogel-immobilized Coacervate Droplets as Modular Microreactor Assemblies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6853-6859.	13.8	49
78	Sensitive and specific detection of tumour cells based on a multivalent DNA nanocreeper and a multiplexed fluorescence supersandwich. <i>Chemical Communications</i> , 2020, 56, 3693-3696.	4.1	8
79	Beyond native deoxyribonucleic acid, templating fluorescent nanomaterials for bioanalytical applications: A review. <i>Analytica Chimica Acta</i> , 2020, 1105, 11-27.	5.4	23
80	Aptamer-tethered self-assembled FRET-flares for microRNA imaging in living cancer cells. <i>Chemical Communications</i> , 2020, 56, 2463-2466.	4.1	13
81	Contributing to liquid biopsy: Optical and electrochemical methods in cancer biomarker analysis. <i>Coordination Chemistry Reviews</i> , 2020, 415, 213317.	18.8	28
82	Photocaged FRET nanoflures for intracellular microRNA imaging. <i>Chemical Communications</i> , 2020, 56, 6126-6129.	4.1	16
83	Contradictory effect of gold nanoparticle-decorated molybdenum sulfide nanocomposites on amyloid- β -40 aggregation. <i>Chinese Chemical Letters</i> , 2020, 31, 3113-3116.	9.0	9
84	Ratiometric determination of human papillomavirus-16 DNA by using fluorescent DNA-templated silver nanoclusters and hairpin-blocked DNAzyme-assisted cascade amplification. <i>Mikrochimica Acta</i> , 2019, 186, 613.	5.0	24
85	Mesoporous Silica Containers and Programmed Catalytic Hairpin Assembly/Hybridization Chain Reaction Based Electrochemical Sensing Platform for MicroRNA Ultrasensitive Detection with Low Background. <i>Analytical Chemistry</i> , 2019, 91, 10672-10678.	6.5	68
86	Colorimetric and fluorescent dual-mode detection of microRNA based on duplex-specific nuclease assisted gold nanoparticle amplification. <i>Analyst</i> , The, 2019, 144, 4917-4924.	3.5	54
87	A hybridization-triggered DNAzyme cascade assay for enzyme-free amplified fluorescence detection of nucleic acids. <i>Analyst</i> , The, 2019, 144, 143-147.	3.5	9
88	Aptamer-Functionalized Activatable DNA Tetrahedron Nanoprobe for PIWI-Interacting RNA Imaging and Regulating in Cancer Cells. <i>Analytical Chemistry</i> , 2019, 91, 15107-15113.	6.5	27
89	Single-stranded DNA designed lipophilic G-quadruplexes as transmembrane channels for switchable potassium transport. <i>Chemical Communications</i> , 2019, 55, 12004-12007.	4.1	11
90	I-Motif-Based in Situ Bipedal Hybridization Chain Reaction for Specific Activatable Imaging and Enhanced Delivery of Antisense Oligonucleotides. <i>Analytical Chemistry</i> , 2019, 91, 12538-12545.	6.5	19

#	ARTICLE	IF	CITATIONS
91	A near-infrared light-responsive nanocomposite for photothermal release of H ₂ S and suppression of cell viability. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5992-5997.	5.8	13
92	Construction of Bio/Nanointerfaces: Stable Gold Nanoparticle Bioconjugates in Complex Systems. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40817-40825.	8.0	13
93	Dual-microRNA-controlled double-amplified cascaded logic DNA circuits for accurate discrimination of cell subtypes. <i>Chemical Science</i> , 2019, 10, 1442-1449.	7.4	73
94	One-pot synthesized Cu/Au/Pt trimetallic nanoparticles with enhanced catalytic and plasmonic properties as a universal platform for biosensing and cancer theranostics. <i>Chemical Communications</i> , 2019, 55, 2321-2324.	4.1	35
95	Total internal reflection-based single-vesicle in situ quantitative and stoichiometric analysis of tumor-derived exosomal microRNAs for diagnosis and treatment monitoring. <i>Theranostics</i> , 2019, 9, 4494-4507.	10.0	77
96	Point-of-Care Assay of Alkaline Phosphatase Enzymatic Activity Using a Thermometer or Temperature Discoloration Sticker as Readout. <i>Analytical Chemistry</i> , 2019, 91, 7943-7949.	6.5	82
97	A Simple, pH-Activatable Fluorescent Aptamer Probe with Ultralow Background for Bispecific Tumor Imaging. <i>Analytical Chemistry</i> , 2019, 91, 9154-9160.	6.5	34
98	DNA-Silver Nanocluster Binary Probes for Ratiometric Fluorescent Detection of HPV-related DNA. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 581-585.	2.6	6
99	One-pot synthesized Cu/Au/Pt trimetallic nanoparticles as a novel enzyme mimic for biosensing applications. <i>RSC Advances</i> , 2019, 9, 14982-14989.	3.6	16
100	Progress in biosensor based on DNA-templated copper nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019, 137, 96-109.	10.1	82
101	Rapid synthesis of Au/Ag bimetallic nanoclusters with highly biochemical stability and its applications for temperature and ratiometric pH sensing. <i>Analytica Chimica Acta</i> , 2019, 1070, 88-96.	5.4	27
102	Terminal deoxynucleotidyl transferase-initiated molecule beacons arrayed aptamer probe for sensitive detection of metastatic colorectal cancer cells. <i>Talanta</i> , 2019, 202, 152-158.	5.5	10
103	A novel fluorescent nanosensor based on small-sized conjugated polyelectrolyte dots for ultrasensitive detection of phytic acid. <i>Talanta</i> , 2019, 202, 214-220.	5.5	11
104	Direct quantification of cancerous exosomes via surface plasmon resonance with dual gold nanoparticle-assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 135, 129-136.	10.1	154
105	Enhanced visualization of cell surface glycans via a hybridization chain reaction. <i>Chemical Communications</i> , 2019, 55, 6114-6117.	4.1	15
106	Mitochondria targeted self-assembled ratiometric fluorescent nanoprobes for pH imaging in living cells. <i>Analytical Methods</i> , 2019, 11, 2097-2104.	2.7	8
107	DNA supersandwich assemblies as artificial receptors to mediate intracellular delivery of catalase for efficient ROS scavenging. <i>Chemical Communications</i> , 2019, 55, 4242-4245.	4.1	8
108	Three-Dimensional Molecular Transfer from DNA Nanocages to Inner Gold Nanoparticle Surfaces. <i>ACS Nano</i> , 2019, 13, 4174-4182.	14.6	43

#	ARTICLE	IF	CITATIONS
109	Gold nanoparticle based fluorescent oligonucleotide probes for imaging and therapy in living systems. <i>Analyst</i> , 2019, 144, 1052-1072.	3.5	37
110	Uricase-containing coacervate microdroplets as enzyme active membrane-free protocells for detoxification of uric acid in serum. <i>Chemical Communications</i> , 2019, 55, 13880-13883.	4.1	19
111	Aptamer as a Tool for Investigating the Effects of Electric Field on Al^{2+} Monomer and Aggregates Using Single-Molecule Force Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 1954-1961.	6.5	17
112	Optical fiber amplifier for quantitative and sensitive point-of-care testing of myoglobin and miRNA-141. <i>Biosensors and Bioelectronics</i> , 2019, 129, 87-92.	10.1	28
113	Molecular-Recognition-Based DNA Nanodevices for Enhancing the Direct Visualization and Quantification of Single Vesicles of Tumor Exosomes in Plasma Microsamples. <i>Analytical Chemistry</i> , 2019, 91, 2768-2775.	6.5	69
114	Exosomes: Isolation, Analysis, and Applications in Cancer Detection and Therapy. <i>ChemBioChem</i> , 2019, 20, 451-461.	2.6	92
115	Facile combination of beta-cyclodextrin host-guest recognition with exonuclease-assisted signal amplification for sensitive electrochemical assay of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 82-88.	10.1	24
116	Gold nanoparticle-based 2'-O-methyl modified DNA probes for breast cancerous theranostics. <i>Talanta</i> , 2018, 183, 11-17.	5.5	16
117	Label-free and sensitive microRNA detection based on a target recycling amplification-integrated superlong poly(thymine)-hosted copper nanoparticle strategy. <i>Analytica Chimica Acta</i> , 2018, 1010, 54-61.	5.4	33
118	An ion quencher operated lamp for multiplexed fluorescent bioassays. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1427-1434.	3.7	1
119	<i>In situ</i> fluorescence activation of DNA-silver nanoclusters as a label-free and general strategy for cell nucleus imaging. <i>Chemical Communications</i> , 2018, 54, 1089-1092.	4.1	39
120	Hairpin-Contained i-Motif Based Fluorescent Ratiometric Probe for High-Resolution and Sensitive Response of Small pH Variations. <i>Analytical Chemistry</i> , 2018, 90, 1889-1896.	6.5	58
121	Enhanced Imaging of Specific Cell-Surface Glycosylation Based on Multi-FRET. <i>Analytical Chemistry</i> , 2018, 90, 6131-6137.	6.5	41
122	Electrochemical strategy for pyrophosphatase detection Based on the peroxidase-like activity of G-quadruplex-Cu ²⁺ DNAzyme. <i>Talanta</i> , 2018, 178, 491-497.	5.5	22
123	Live-Cell MicroRNA Imaging through MnO ₂ Nanosheet-Mediated DNA Hybridization Chain Reaction. <i>ChemBioChem</i> , 2018, 19, 147-152.	2.6	20
124	Investigation of the interactions between aptamer and misfolded proteins: From monomer and oligomer to fibril by single-molecule force spectroscopy. <i>Journal of Molecular Recognition</i> , 2018, 31, e2686.	2.1	7
125	Two-Color-Based Nanoflares for Multiplexed MicroRNAs Imaging in Live Cells. <i>Nanotheranostics</i> , 2018, 2, 96-105.	5.2	38
126	Low Background Cascade Signal Amplification Electrochemical Sensing Platform for Tumor-Related mRNA Quantification by Target-Activated Hybridization Chain Reaction and Electroactive Cargo Release. <i>Analytical Chemistry</i> , 2018, 90, 12544-12552.	6.5	47

#	ARTICLE	IF	CITATIONS
127	Low-Fouling Surface Plasmon Resonance Sensor for Highly Sensitive Detection of MicroRNA in a Complex Matrix Based on the DNA Tetrahedron. <i>Analytical Chemistry</i> , 2018, 90, 12584-12591.	6.5	80
128	Integration of cell-free protein synthesis and purification in one microfluidic chip for on-demand production of recombinant protein. <i>Biomicrofluidics</i> , 2018, 12, 054102.	2.4	8
129	Detection of Nucleic Acids in Complex Samples via Magnetic Microbead-Assisted Catalyzed Hairpin Assembly and FRET. <i>Analytical Chemistry</i> , 2018, 90, 7164-7170.	6.5	54
130	A light-up fluorescence assay for tumor cell detection based on bifunctional split aptamers. <i>Analyst</i> , 2018, 143, 3579-3585.	3.5	17
131	DNA-Functionalized Hollow Mesoporous Silica Nanoparticles with Dual Cargo Loading for Near-Infrared-Responsive Synergistic Chemo-Photothermal Treatment of Cancer Cells. <i>ACS Applied Nano Materials</i> , 2018, 1, 3486-3497.	5.0	44
132	Selection of Aptamers for Hydrophobic Drug Docetaxel To Improve Its Solubility. <i>ACS Applied Bio Materials</i> , 2018, 1, 168-174.	4.6	4
133	Flexible Assembly of an Enzyme Cascade on a DNA Triangle Prism Nanostructure for the Controlled Biomimetic Generation of Nitric Oxide. <i>ChemBioChem</i> , 2018, 19, 2099-2106.	2.6	11
134	Self-Assembled Supramolecular Nanoparticles for Targeted Delivery and Combination Chemotherapy. <i>ChemMedChem</i> , 2018, 13, 2037-2044.	3.2	20
135	A zeolitic imidazolate framework-8-based indocyanine green theranostic agent for infrared fluorescence imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3914-3921.	5.8	48
136	A DNA nanowire based localized catalytic hairpin assembly reaction for microRNA imaging in live cells. <i>Chemical Science</i> , 2018, 9, 7802-7808.	7.4	117
137	Ultra-pH-responsive split i-motif based aptamer anchoring strategy for specific activatable imaging of acidic tumor microenvironment. <i>Chemical Communications</i> , 2018, 54, 10288-10291.	4.1	33
138	Hairpin-fuelled catalytic nanobeacons for amplified microRNA imaging in live cells. <i>Chemical Communications</i> , 2018, 54, 10336-10339.	4.1	33
139	DNA nanotriangle-scaffolded activatable aptamer probe with ultralow background and robust stability for cancer theranostics. <i>Theranostics</i> , 2018, 8, 4062-4071.	10.0	40
140	Development of Dual-Aptamers for Constructing Sandwich-Type Pancreatic Polypeptide Assay. <i>ACS Sensors</i> , 2017, 2, 308-315.	7.8	19
141	Evaluating the Effect of Lidocaine on the Interactions of C-reactive Protein with Its Aptamer and Antibody by Dynamic Force Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 3370-3377.	6.5	15
142	Design of a Modular DNA Triangular-Prism Sensor Enabling Ratiometric and Multiplexed Biomolecule Detection on a Single Microbead. <i>Analytical Chemistry</i> , 2017, 89, 3590-3596.	6.5	20
143	Synthesis of a core/satellite-like multifunctional nanocarrier for pH- and NIR-triggered intracellular chemothermal therapy and tumor imaging. <i>RSC Advances</i> , 2017, 7, 7742-7752.	3.6	13
144	A versatile stimulus-responsive metal-organic framework for size/morphology tunable hollow mesoporous silica and pH-triggered drug delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2126-2132.	5.8	75

#	ARTICLE	IF	CITATIONS
145	Self-assembled DNA nanocentipedes as multivalent vehicles for enhanced delivery of CpG oligonucleotides. <i>Chemical Communications</i> , 2017, 53, 5565-5568.	4.1	33
146	Polyvalent and Thermosensitive DNA Nanoensembles for Cancer Cell Detection and Manipulation. <i>Analytical Chemistry</i> , 2017, 89, 6637-6644.	6.5	29
147	Gold Nanoparticle Based Hairpin-Locked-DNAzyme Probe for Amplified miRNA Imaging in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 5850-5856.	6.5	124
148	A metal-organic framework based nanocomposite with co-encapsulation of Pd@Au nanoparticles and doxorubicin for pH- and NIR-triggered synergistic chemo-photothermal treatment of cancer cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4648-4659.	5.8	44
149	Use of β -cyclodextrin-tethered cationic polymer based fluorescence enhancement of pyrene and hybridization chain reaction for the enzyme-free amplified detection of DNA. <i>Analyst</i> , The, 2017, 142, 224-228.	3.5	18
150	Highly Fe ³⁺ -Selective Fluorescent Nanoprobe Based on Ultrabright N/P Codoped Carbon Dots and Its Application in Biological Samples. <i>Analytical Chemistry</i> , 2017, 89, 7477-7484.	6.5	277
151	Acceleration of Hen Egg White Lysozyme Amyloid Fibrillation by Single- or Few-Layer Molybdenum Disulfide Nanosheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2892-2898.	0.9	4
152	A bispyrene/AgNP-based ratiometric nanoprobe for supersensitive fluorescence and colorimetric sensing of etimicin. <i>Analytical Methods</i> , 2017, 9, 3845-3851.	2.7	4
153	Metastatic cancer cell and tissue-specific fluorescence imaging using a new DNA aptamer developed by Cell-SELEX. <i>Talanta</i> , 2017, 170, 56-62.	5.5	41
154	Label-free and sensitive assay for deoxyribonuclease I activity based on enzymatically-polymerized superlong poly(thymine)-hosted fluorescent copper nanoparticles. <i>Talanta</i> , 2017, 169, 57-63.	5.5	34
155	Dumbbell DNA-templated CuNPs as a nano-fluorescent probe for detection of enzymes involved in ligase-mediated DNA repair. <i>Biosensors and Bioelectronics</i> , 2017, 94, 456-463.	10.1	40
156	An isothermal electrochemical biosensor for the sensitive detection of microRNA based on a catalytic hairpin assembly and supersandwich amplification. <i>Analyst</i> , The, 2017, 142, 389-396.	3.5	47
157	Scallop-Inspired DNA Nanomachine: A Ratiometric Nanothermometer for Intracellular Temperature Sensing. <i>Analytical Chemistry</i> , 2017, 89, 12115-12122.	6.5	48
158	Temperature-responsive split aptamers coupled with polymerase chain reaction for label-free and sensitive detection of cancer cells. <i>Chemical Communications</i> , 2017, 53, 11889-11892.	4.1	26
159	A selective nanosensor for ultrafast detection of Cu ²⁺ ions based on C5 DNA-templated gold nanoclusters and Fenton-like reaction. <i>Analytical Methods</i> , 2017, 9, 6222-6227.	2.7	8
160	High sensitivity surface plasmon resonance biosensor for detection of microRNA based on gold nanoparticles-decorated molybdenum sulfide. <i>Analytica Chimica Acta</i> , 2017, 993, 55-62.	5.4	62
161	Gold Nanoparticle Loaded Split-DNAzyme Probe for Amplified miRNA Detection in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 8377-8383.	6.5	140
162	Label-Free Homogeneous Electrochemical Sensing Platform for Protein Kinase Assay Based on Carboxypeptidase Y-Assisted Peptide Cleavage and Vertically Ordered Mesoporous Silica Films. <i>Analytical Chemistry</i> , 2017, 89, 9062-9068.	6.5	42

#	ARTICLE	IF	CITATIONS
163	Self-assembled DNA nanowires as quantitative dual-drug nanocarriers for antitumor chemophotodynamic combination therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7529-7537.	5.8	26
164	DNA tetrahedron nanostructures for biological applications: biosensors and drug delivery. <i>Analyst</i> , 2017, 142, 3322-3332.	3.5	115
165	High Signal-to-Background Ratio Detection of Cancer Cells with Activatable Strategy Based on Target-Induced Self-Assembly of Split Aptamers. <i>Analytical Chemistry</i> , 2017, 89, 9347-9353.	6.5	28
166	High sensitivity surface plasmon resonance biosensor for detection of microRNA and small molecule based on graphene oxide-gold nanoparticles composites. <i>Talanta</i> , 2017, 174, 521-526.	5.5	85
167	Facile fabrication of a resveratrol loaded phospholipid@reduced graphene oxide nanoassembly for targeted and near-infrared laser-triggered chemo/photothermal synergistic therapy of cancer in vivo. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5783-5792.	5.8	31
168	Surface plasmon resonance biosensor for sensitive detection of microRNA and cancer cell using multiple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017, 87, 433-438.	10.1	141
169	MnO ₂ nanosheet mediated FRET binary probes for sensitive detection of intracellular mRNA. <i>Chemical Science</i> , 2017, 8, 668-673.	7.4	76
170	Electrochemical detection of glutathione by using thymine-rich DNA-gated switch functionalized mesoporous silica nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017, 87, 459-465.	10.1	40
171	Elucidation of the effect of aptamer immobilization strategies on the interaction between cell and its aptamer using atomic force spectroscopy. <i>Journal of Molecular Recognition</i> , 2016, 29, 151-158.	2.1	9
172	Competition-Mediated FRET-Switching DNA Tetrahedron Molecular Beacon for Intracellular Molecular Detection. <i>ACS Sensors</i> , 2016, 1, 1445-1452.	7.8	56
173	A cell-surface-anchored ratiometric i-motif sensor for extracellular pH detection. <i>Chemical Communications</i> , 2016, 52, 7818-7821.	4.1	54
174	Biomimetic synthesis of highly biocompatible gold nanoparticles with amino acid-dithiocarbamate as a precursor for SERS imaging. <i>Nanotechnology</i> , 2016, 27, 105603.	2.6	13
175	Proof of concept for inhibiting metastasis: circulating tumor cell-triggered localized release of anticancer agent via a structure-switching aptamer. <i>Chemical Communications</i> , 2016, 52, 6789-6792.	4.1	19
176	A simple label-free aptamer-based method for C-reactive protein detection. <i>Analytical Methods</i> , 2016, 8, 4177-4180.	2.7	21
177	Powerful Amplification Cascades of FRET-Based Two-Layer Nonenzymatic Nucleic Acid Circuits. <i>Analytical Chemistry</i> , 2016, 88, 5857-5864.	6.5	56
178	A pH-responsive activatable aptamer probe for targeted cancer imaging based on i-motif-driven conformation alteration. <i>Science China Chemistry</i> , 2016, 59, 802-808.	8.2	11
179	Aptazyme-Gold Nanoparticle Sensor for Amplified Molecular Probing in Living Cells. <i>Analytical Chemistry</i> , 2016, 88, 5981-5987.	6.5	106
180	Triple-helix molecular switch-induced hybridization chain reaction amplification for developing a universal and sensitive electrochemical aptasensor. <i>RSC Advances</i> , 2016, 6, 90310-90317.	3.6	13

#	ARTICLE	IF	CITATIONS
181	Aptamer-based FRET nanoflares for imaging potassium ions in living cells. <i>Chemical Communications</i> , 2016, 52, 11386-11389.	4.1	55
182	Single-layer MnO ₂ nanosheet quenched fluorescence ruthenium complexes for sensitive detection of ferrous iron. <i>RSC Advances</i> , 2016, 6, 79204-79208.	3.6	18
183	Oligonucleotide-templated rapid formation of fluorescent gold nanoclusters and its application for Hg ²⁺ ions sensing. <i>Talanta</i> , 2016, 161, 170-176.	5.5	22
184	Self-Assembled DNA Nanocentipede as Multivalent Drug Carrier for Targeted Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25733-25740.	8.0	80
185	“Sense-and-Treat” DNA Nanodevice for Synergetic Destruction of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26552-26558.	8.0	51
186	Synthesis of Hollow Mesoporous Silica Nanorods with Controllable Aspect Ratios for Intracellular Triggered Drug Release in Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20558-20569.	8.0	31
187	Nature-Inspired Smart DNA Nanodoctor for Activatable In Vivo Cancer Imaging and In Situ Drug Release Based on Recognition-Triggered Assembly of Split Aptamer. <i>Analytical Chemistry</i> , 2016, 88, 11699-11706.	6.5	52
188	Vertically Ordered Mesoporous Silica Film-Assisted Label-Free and Universal Electrochemiluminescence Aptasensor Platform. <i>Analytical Chemistry</i> , 2016, 88, 11707-11713.	6.5	45
189	Label-Free Carbon-Dots-Based Ratiometric Fluorescence pH Nanoprobes for Intracellular pH Sensing. <i>Analytical Chemistry</i> , 2016, 88, 7837-7843.	6.5	253
190	A ratiometric nanosensor based on conjugated polyelectrolyte-stabilized AgNPs for ultrasensitive fluorescent and colorimetric sensing of melamine. <i>Talanta</i> , 2016, 151, 68-74.	5.5	37
191	In situ formation of fluorescent copper nanoparticles for ultrafast zero-background Cu ²⁺ detection and its toxicides screening. <i>Biosensors and Bioelectronics</i> , 2016, 78, 471-476.	10.1	87
192	Alizarin Complexone Functionalized Mesoporous Silica Nanoparticles: A Smart System Integrating Glucose-Responsive Double-Drugs Release and Real-Time Monitoring Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8358-8366.	8.0	50
193	Programmable Self-Assembly of DNA-Protein Hybrid Hydrogel for Enzyme Encapsulation with Enhanced Biological Stability. <i>Biomacromolecules</i> , 2016, 17, 1543-1550.	5.4	48
194	Intelligent Nucleic Acid Functionalized Dual-Responsive Gold Nanoflare: Logic-Gate Nanodevice Visualized by Single-Nanoparticle Imaging. <i>ChemistrySelect</i> , 2016, 1, 347-353.	1.5	10
195	Detection of C-reactive protein using nanoparticle-enhanced surface plasmon resonance using an aptamer-antibody sandwich assay. <i>Chemical Communications</i> , 2016, 52, 3568-3571.	4.1	117
196	Fluorescence resonance energy transfer-based hybridization chain reaction for in situ visualization of tumor-related mRNA. <i>Chemical Science</i> , 2016, 7, 3829-3835.	7.4	85
197	Dopamine modulated ionic permeability in mesoporous silica sphere based biomimetic compartment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 142, 266-271.	5.0	1
198	Nucleic acid tool enzymes-aided signal amplification strategy for biochemical analysis: status and challenges. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2793-2811.	3.7	37

#	ARTICLE	IF	CITATIONS
199	A DNA tetrahedron-based molecular beacon for tumor-related mRNA detection in living cells. <i>Chemical Communications</i> , 2016, 52, 2346-2349.	4.1	94
200	Steric hindrance regulated supramolecular assembly between β -cyclodextrin polymer and pyrene for alkaline phosphatase fluorescent sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 156, 131-137.	3.9	11
201	Cu@Au alloy nanostructures coated with aptamers: a simple, stable and highly effective platform for in vivo cancer theranostics. <i>Nanoscale</i> , 2016, 8, 2260-2267.	5.6	27
202	Tumor cell-specific split aptamers: target-driven and temperature-controlled self-assembly on the living cell surface. <i>Chemical Communications</i> , 2016, 52, 1482-1485.	4.1	22
203	A signal-on split aptasensor for highly sensitive and specific detection of tumor cells based on FRET. <i>Chemical Communications</i> , 2016, 52, 1590-1593.	4.1	45
204	Graphene oxide@gold nanoparticles hybrids-based surface plasmon resonance for sensitive detection of microRNA. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1001-1007.	10.1	130
205	Electrochemical sensor for glutathione detection based on mercury ion triggered hybridization chain reaction signal amplification. <i>Biosensors and Bioelectronics</i> , 2016, 77, 914-920.	10.1	69
206	A supersandwich fluorescence in situ hybridization strategy for highly sensitive and selective mRNA imaging in tumor cells. <i>Chemical Communications</i> , 2016, 52, 370-373.	4.1	26
207	Glutathione-Mediated Degradation of Surface-Capped MnO ₂ for Drug Release from Mesoporous Silica Nanoparticles to Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 205-212.	2.3	46
208	Ionic liquid-assisted formation of lanthanide metal-organic framework nano/microrods for superefficient removal of Congo red. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 899-903.	2.6	15
209	An enzyme-free and amplified colorimetric detection strategy: assembly of gold nanoparticles through target-catalytic circuits. <i>Analyst, The</i> , 2015, 140, 1004-1007.	3.5	21
210	Evaluation of Medicine Effects on the Interaction of Myoglobin and Its Aptamer or Antibody Using Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2015, 87, 2242-2248.	6.5	29
211	Self-Assembled Supramolecular Nanoprobes for Ratiometric Fluorescence Measurement of Intracellular pH Values. <i>Analytical Chemistry</i> , 2015, 87, 2459-2465.	6.5	43
212	Poly(thymine)-Templated Copper Nanoparticles as a Fluorescent Indicator for Hydrogen Peroxide and Oxidase-Based Biosensing. <i>Analytical Chemistry</i> , 2015, 87, 7454-7460.	6.5	102
213	FRET Nanoflares for Intracellular mRNA Detection: Avoiding False Positive Signals and Minimizing Effects of System Fluctuations. <i>Journal of the American Chemical Society</i> , 2015, 137, 8340-8343.	13.7	285
214	Iodide-Responsive Cu@Au Nanoparticle-Based Colorimetric Platform for Ultrasensitive Detection of Target Cancer Cells. <i>Analytical Chemistry</i> , 2015, 87, 7141-7147.	6.5	75
215	Amplified fluorescence detection of DNA based on catalyzed dynamic assembly and host@guest interaction between β -cyclodextrin polymer and pyrene. <i>Talanta</i> , 2015, 144, 529-534.	5.5	12
216	Cell-SELEX based selection and optimization of DNA aptamers for specific recognition of human cholangiocarcinoma QBC-939 cells. <i>Analyst, The</i> , 2015, 140, 5992-5997.	3.5	14

#	ARTICLE	IF	CITATIONS
217	A highly sensitive electrochemiluminescence assay for protein kinase based on double-quenching of graphene quantum dots by G-quadruplex-hemin and gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 70, 54-60.	10.1	60
218	Aptamer/target binding-induced triple helix forming for signal-on electrochemical biosensing. <i>Talanta</i> , 2015, 143, 381-387.	5.5	17
219	Programmed packaging of mesoporous silica nanocarriers for matrix metalloprotease 2-triggered tumor targeting and release. <i>Biomaterials</i> , 2015, 58, 35-45.	11.4	88
220	Single strand DNA functionalized single wall carbon nanotubes as sensitive electrochemical labels for arsenite detection. <i>Talanta</i> , 2015, 141, 122-127.	5.5	26
221	An enzyme-free colorimetric assay using hybridization chain reaction amplification and split aptamers. <i>Analyst</i> , 2015, 140, 7657-7662.	3.5	16
222	A reversible molecule-gated system using mesoporous silica nanoparticles functionalized with K ⁺ -stabilized G-rich quadruplex DNA. <i>RSC Advances</i> , 2015, 5, 84553-84559.	3.6	3
223	Ratiometric Fluorescent Sensing of pH Values in Living Cells by Dual-Fluorophore-Labeled i-Motif Nanoprobes. <i>Analytical Chemistry</i> , 2015, 87, 8724-8731.	6.5	113
224	Colorimetric detection of hydrogen peroxide and glucose using the magnetic mesoporous silica nanoparticles. <i>Talanta</i> , 2015, 134, 712-717.	5.5	64
225	An enzyme-free and amplified colorimetric detection strategy via target-aptamer binding triggered catalyzed hairpin assembly. <i>Chemical Communications</i> , 2015, 51, 937-940.	4.1	37
226	Conjugated polyelectrolyte-stabilized silver nanoparticles coupled with pyrene derivative for ultrasensitive fluorescent detection of iodide. <i>Talanta</i> , 2015, 131, 678-683.	5.5	21
227	Colorimetric detection of mercury ion based on unmodified gold nanoparticles and target-triggered hybridization chain reaction amplification. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 283-287.	3.9	42
228	Sensitive point-of-care monitoring of cardiac biomarker myoglobin using aptamer and ubiquitous personal glucose meter. <i>Biosensors and Bioelectronics</i> , 2015, 64, 161-164.	10.1	71
229	Gold nanorod-seeded synthesis of Au@Ag/Au nanospheres with broad and intense near-infrared absorption for photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3667-3673.	5.8	32
230	dsDNA-templated fluorescent copper nanoparticles: poly(AT-TA)-dependent formation. <i>RSC Advances</i> , 2014, 4, 61092-61095.	3.6	52
231	Locked nucleic acid/DNA chimeric aptamer probe for tumor diagnosis with improved serum stability and extended imaging window in vivo. <i>Analytica Chimica Acta</i> , 2014, 812, 138-144.	5.4	45
232	Target-Catalyzed Dynamic Assembly-Based Pyrene Excimer Switching for Enzyme-Free Nucleic Acid Amplified Detection. <i>Analytical Chemistry</i> , 2014, 86, 4934-4939.	6.5	76
233	Label-free and non-enzymatic detection of DNA based on hybridization chain reaction amplification and dsDNA-templated copper nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 827, 74-79.	5.4	51
234	Visual and Portable Strategy for Copper(II) Detection Based on a Striplike Poly(Thymine)-Caged and Microwell-Printed Hydrogel. <i>Analytical Chemistry</i> , 2014, 86, 11263-11268.	6.5	77

#	ARTICLE	IF	CITATIONS
235	I-motif-based nano-flares for sensing pH changes in live cells. <i>Chemical Communications</i> , 2014, 50, 15768-15771.	4.1	40
236	Split aptazyme-based catalytic molecular beacons for amplified detection of adenosine. <i>Analyst, The</i> , 2014, 139, 2994.	3.5	18
237	A signal on aptamer-based electrochemical sensing platform using a triple-helix molecular switch. <i>Analytical Methods</i> , 2014, 6, 6294-6300.	2.7	14
238	Whole cell-SELEX aptamers for fluorescence staining of frozen hepatocellular carcinoma tissues. <i>Analytical Methods</i> , 2014, 6, 3506-3509.	2.7	12
239	A fluorescent aptasensor for sensitive detection of human hepatocellular carcinoma SMMC-7721 cells based on graphene oxide. <i>Analytical Methods</i> , 2014, 6, 6809-6814.	2.7	26
240	Nanometer-sized manganese oxide-quenched fluorescent oligonucleotides: an effective sensing platform for probing biomolecular interactions. <i>Chemical Communications</i> , 2014, 50, 11049.	4.1	72
241	Single-Walled Carbon Nanotubes (SWCNTs)-Assisted Cell-Systematic Evolution of Ligands by Exponential Enrichment (Cell-SELEX) for Improving Screening Efficiency. <i>Analytical Chemistry</i> , 2014, 86, 9466-9472.	6.5	28
242	The adenine DNA self-assembly of pH- and near-infrared-responsive gold nanorod vehicles for the chemothermal treatment of cancer cells. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3204.	5.8	20
243	Multiplex detection of nucleic acids using a low cost microfluidic chip and a personal glucose meter at the point-of-care. <i>Chemical Communications</i> , 2014, 50, 3824-3826.	4.1	44
244	Anomalous effects of water flow through charged nanochannel membranes. <i>RSC Advances</i> , 2014, 4, 26729-26737.	3.6	13
245	dsDNA-specific fluorescent copper nanoparticles as a "green" nano-dye for polymerization-mediated biochemical analysis. <i>Chemical Communications</i> , 2014, 50, 12746-12748.	4.1	58
246	Probing interactions between human lung adenocarcinoma A549 cell and its aptamers at single-molecule resolution. <i>Journal of Molecular Recognition</i> , 2014, 27, 676-682.	2.1	7
247	A label-free activatable aptamer probe for colorimetric detection of cancer cells based on binding-triggered in situ catalysis of split DNAzyme. <i>Analyst, The</i> , 2014, 139, 4181-4184.	3.5	37
248	A Versatile Activatable Fluorescence Probing Platform for Cancer Cells <i>in Vitro</i> and <i>in Vivo</i> Based on Self-Assembled Aptamer/Carbon Nanotube Ensembles. <i>Analytical Chemistry</i> , 2014, 86, 9271-9277.	6.5	70
249	Screening of DNA Aptamers against Myoglobin Using a Positive and Negative Selection Units Integrated Microfluidic Chip and Its Biosensing Application. <i>Analytical Chemistry</i> , 2014, 86, 6572-6579.	6.5	88
250	DNA aptamer-based surface plasmon resonance sensing of human C-reactive protein. <i>RSC Advances</i> , 2014, 4, 30934-30937.	3.6	38
251	Concatemeric dsDNA-Templated Copper Nanoparticles Strategy with Improved Sensitivity and Stability Based on Rolling Circle Replication and Its Application in MicroRNA Detection. <i>Analytical Chemistry</i> , 2014, 86, 6976-6982.	6.5	129
252	Co-loading of coralyne and indocyanine green into adenine DNA-functionalized mesoporous silica nanoparticles for pH- and near-infrared-responsive chemothermal treatment of cancer cells. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6064.	5.8	30

#	ARTICLE	IF	CITATIONS
253	Design and bioanalytical applications of DNA hairpin-based fluorescent probes. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 11-20.	11.4	39
254	Ligation-rolling circle amplification combined with β -cyclodextrin mediated stemless molecular beacon for sensitive and specific genotyping of single-nucleotide polymorphism. <i>Talanta</i> , 2014, 125, 306-312.	5.5	17
255	Amplified electrochemical detection of protein kinase activity based on gold nanoparticles/multi-walled carbon nanotubes nanohybrids. <i>Talanta</i> , 2014, 129, 328-335.	5.5	39
256	Poly(thymine)-Templated Selective Formation of Fluorescent Copper Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9719-9722.	13.8	278
257	Enzyme-Free Colorimetric Detection of DNA by Using Gold Nanoparticles and Hybridization Chain Reaction Amplification. <i>Analytical Chemistry</i> , 2013, 85, 7689-7695.	6.5	294
258	Label-Free and Turn-on Aptamer Strategy for Cancer Cells Detection Based on a DNA-Silver Nanocluster Fluorescence upon Recognition-Induced Hybridization. <i>Analytical Chemistry</i> , 2013, 85, 12011-12019.	6.5	173
259	Poly(Thymine)-Templated Fluorescent Copper Nanoparticles for Ultrasensitive Label-Free Nuclease Assay and Its Inhibitors Screening. <i>Analytical Chemistry</i> , 2013, 85, 12138-12143.	6.5	120
260	A new strategy for designing a graphene oxide-based DNA hairpin probe: fluorescence upon switching the orientation of the sticky end. <i>Chemical Communications</i> , 2013, 49, 9827.	4.1	20
261	Recent advances in fluorescent nucleic acid probes for living cell studies. <i>Analyst, The</i> , 2013, 138, 62-71.	3.5	62
262	Functionalized Silica Nanoparticles: A Platform for Fluorescence Imaging at the Cell and Small Animal Levels. <i>Accounts of Chemical Research</i> , 2013, 46, 1367-1376.	15.6	159
263	Colorimetric multiplexed analysis of mercury and silver ions by using a unimolecular DNA probe and unmodified gold nanoparticles. <i>Analytical Methods</i> , 2012, 4, 3320.	2.7	31
264	Engineering a unimolecular multifunctional DNA probe for analysis of Hg ²⁺ and Ag ⁺ . <i>Analytical Methods</i> , 2012, 4, 345.	2.7	21
265	Reversible stimuli-responsive controlled release using mesoporous silica nanoparticles functionalized with a smart DNA molecule-gated switch. <i>Journal of Materials Chemistry</i> , 2012, 22, 14715.	6.7	30
266	Combining physical embedding and covalent bonding for stable encapsulation of quantum dots into agarose hydrogels. <i>Journal of Materials Chemistry</i> , 2012, 22, 495-501.	6.7	24
267	A label-free and sensitive supersandwich electrochemical biosensor for small molecule detection based on target-induced aptamer displacement. <i>Analytical Methods</i> , 2012, 4, 2221.	2.7	14
268	G-quadruplex fluorescence quenching ability: a simple and efficient strategy to design a single-labeled DNA probe. <i>Analytical Methods</i> , 2012, 4, 895.	2.7	19
269	One-step engineering of silver nanoclusters aptamer assemblies as luminescent labels to target tumor cells. <i>Nanoscale</i> , 2012, 4, 110-112.	5.6	123
270	A Photon-Fueled Gate-Like Delivery System Using α -Motif DNA Functionalized Mesoporous Silica Nanoparticles. <i>Advanced Functional Materials</i> , 2012, 22, 4704-4710.	14.9	72

#	ARTICLE	IF	CITATIONS
271	TiO ₂ /MWNTs nanocomposites-based electrochemical strategy for label-free assay of casein kinase II activity and inhibition. <i>Biosensors and Bioelectronics</i> , 2012, 35, 134-139.	10.1	15
272	Activatable aptamer probe for contrast-enhanced in vivo cancer imaging based on cell membrane protein-triggered conformation alteration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3900-3905.	7.1	283
273	A one-step sensitive dynamic light scattering method for adenosine detection using split aptamer fragments. <i>Analytical Methods</i> , 2011, 3, 59-61.	2.7	21
274	One-pot synthesis of sustained-released doxorubicin silica nanoparticles for aptamer targeted delivery to tumor cells. <i>Nanoscale</i> , 2011, 3, 2936.	5.6	40
275	Fluorescent nanoparticles for chemical and biological sensing. <i>Science China Chemistry</i> , 2011, 54, 1157-1176.	8.2	40
276	Angiogenin-Mediated Photosensitizer-Aptamer Conjugate for Photodynamic Therapy. <i>ChemMedChem</i> , 2011, 6, 1778-1780.	3.2	13
277	Pyrene-Excimer Probes Based on the Hybridization Chain Reaction for the Detection of Nucleic Acids in Complex Biological Fluids. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 401-404.	13.8	486
278	In vivo Fluorescence Imaging of Tumors using Molecular Aptamers Generated by Cell-SELEX. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2209-2213.	3.3	100
279	Competition-Mediated Pyrene-Switching Aptasensor: Probing Lysozyme in Human Serum with a Monomer-Excimer Fluorescence Switch. <i>Analytical Chemistry</i> , 2010, 82, 10158-10163.	6.5	70
280	Molecular Engineering of DNA: Molecular Beacons. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 856-870.	13.8	581
281	mRNA detection in living cell using phosphorothioate-modified molecular beacon. <i>Science Bulletin</i> , 2009, 54, 1507-1514.	9.0	3
282	Methylene blue-encapsulated phosphonate-terminated silica nanoparticles for simultaneous in vivo imaging and photodynamic therapy. <i>Biomaterials</i> , 2009, 30, 5601-5609.	11.4	204
283	Novel protein detection method based on proximity-dependent polymerase reaction and aptamers. <i>Science Bulletin</i> , 2008, 53, 204-208.	1.7	4
284	Study on the specific interaction between angiogenin and aptamer by atomic force microscopy (AFM). <i>Science Bulletin</i> , 2008, 53, 198-203.	1.7	7
285	Monitoring p21 mRNA expression in living cell based on molecular beacon fluorescence increasing rate. <i>Science Bulletin</i> , 2008, 53, 357-361.	1.7	6
286	Temperature-sensitive gold-nanotube array membranes modified with poly(N-isopropylacrylamide). <i>Science Bulletin</i> , 2008, 53, 727-732.	1.7	1
287	Preparation of PEGylated Paclitaxel Liposomes and Tissue Distribution Study in Mice. , 2007, , .		0
288	Study on the Cytochrome C Separation Based on Silica Coated Magnetic Nanoparticles. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
289	Selection of Aptamers for Molecular Recognition and Characterization of Cancer Cells. <i>Analytical Chemistry</i> , 2007, 79, 4900-4907.	6.5	445
290	One-Dimensional Microfluidic Beads Array for Nucleic Acids Detection. , 2007, , .		0
291	Enhanced surface plasmon resonance with the modified catalytic growth of Au nanoparticles. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1106-1110.	10.1	61
292	Enhanced surface plasmon resonance for detection of DNA hybridization based on layer-by-layer assembly films. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 227-232.	7.8	37
293	Research of the relationship of intracellular acidification and apoptosis in Hela cells based on pH nanosensors. <i>Science in China Series B: Chemistry</i> , 2007, 50, 258-265.	0.8	10
294	Ultrasensitive monitoring of ribozyme cleavage product using molecular-beacon-ligation system. <i>Science Bulletin</i> , 2007, 52, 603-607.	1.7	3
295	Tumour metastasis-associated gene profiling using one-dimensional microfluidic beads array. <i>Science Bulletin</i> , 2007, 52, 2331-2336.	1.7	0
296	Electrical Switching of DNA Monolayers Investigated by Surface Plasmon Resonance. <i>Langmuir</i> , 2006, 22, 5654-5659.	3.5	40
297	Au nanochannels technique and its application in immunoassay. <i>Science Bulletin</i> , 2004, 49, 1920-1922.	1.7	11
298	Design of a Modular-Based Fluorescent Conjugated Polymer for Selective Sensing. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5635-5638.	13.8	77
299	Monitoring Molecular Beacon/DNA Interactions Using Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2004, 76, 5721-5725.	6.5	24
300	A novel gene carrier based on amino-modified silica nanoparticles. <i>Science Bulletin</i> , 2003, 48, 223-228.	1.7	16
301	Real time monitoring of nucleic acids ligation based on molecular beacon. <i>Science Bulletin</i> , 2003, 48, 1215-1218.	1.7	7
302	The amplified fluorescence quenching of heteroatomic conjugated polymers based on the "molecular wire" effects. <i>Science Bulletin</i> , 2003, 48, 1947-1951.	1.7	2
303	Bioconjugated Nanoparticles for DNA Protection from Cleavage. <i>Journal of the American Chemical Society</i> , 2003, 125, 7168-7169.	13.7	263
304	A Novel DNA-Enrichment Technology Based on Amino-Modified Functionalized Silica Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 633-640.	2.4	16
305	Conjugation of Biomolecules with Luminophore-Doped Silica Nanoparticles for Photostable Biomarkers. <i>Analytical Chemistry</i> , 2001, 73, 4988-4993.	6.5	738
306	Synchronous fluorescence and absorbance dynamic liquid drop sensor for Cr(vi) determination at the femtomole level. <i>Analyst</i> , The, 2001, 126, 1387-1392.	3.5	17

#	ARTICLE	IF	CITATIONS
307	A novel fluorescent label based on biological fluorescent nanoparticles and its application in cell recognition. <i>Science Bulletin</i> , 2001, 46, 1962-1965.	1.7	14
308	Determination of low-level mercury based on a renewable-drops sensing technique. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 368, 797-802.	1.5	8
309	Multichannel Mode-Filtered Light Detection Based on an Optical Fiber for Small-Volume Chemical Analysis. <i>Analytical Chemistry</i> , 2000, 72, 4282-4288.	6.5	11
310	Optical fiber sensor for berberine based on fluorescence quenching of 2-(4-diphenyl)-6-phenylbenzoxazole. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 360, 702-706.	1.5	14
311	A New Fluorescence Optical-Fiber Sensor for Colchicine.. <i>Analytical Sciences</i> , 1997, 13, 447-451.	1.6	3