

Chaoyong Yang

List of Publications by Year in descending order

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Version: 2024-02-01

297
papers

20,786
citations

8159

76
h-index

12910

131
g-index

316
all docs

316
docs citations

316
times ranked

18891
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamers evolved from live cells as effective molecular probes for cancer study. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11838-11843.	3.3	1,344
2	Catalytic performance of Pt nanoparticles on reduced graphene oxide for methanol electro-oxidation. Carbon, 2010, 48, 1124-1130.	5.4	898
3	Molecular Engineering of DNA: Molecular Beacons. Angewandte Chemie - International Edition, 2009, 48, 856-870.	7.2	581
4	Pyrene-Excimer Probes Based on the Hybridization Chain Reaction for the Detection of Nucleic Acids in Complex Biological Fluids. Angewandte Chemie - International Edition, 2011, 50, 401-404.	7.2	486
5	Optimization of Dye-Doped Silica Nanoparticles Prepared Using a Reverse Microemulsion Method. Langmuir, 2004, 20, 8336-8342.	1.6	471
6	Selection of DNA Aptamers against Epithelial Cell Adhesion Molecule for Cancer Cell Imaging and Circulating Tumor Cell Capture. Analytical Chemistry, 2013, 85, 4141-4149.	3.2	399
7	Label-Free Surface-Enhanced Raman Spectroscopy Detection of DNA with Single-Base Sensitivity. Journal of the American Chemical Society, 2015, 137, 5149-5154.	6.6	360
8	Light-switching excimer probes for rapid protein monitoring in complex biological fluids. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17278-17283.	3.3	334
9	An Aptamer Cross-Linked Hydrogel as a Colorimetric Platform for Visual Detection. Angewandte Chemie - International Edition, 2010, 49, 1052-1056.	7.2	328
10	Dual-Luminophore-Doped Silica Nanoparticles for Multiplexed Signaling. Nano Letters, 2005, 5, 37-43.	4.5	311
11	Target-Responsive "Sweet" Hydrogel with Glucometer Readout for Portable and Quantitative Detection of Non-Glucose Targets. Journal of the American Chemical Society, 2013, 135, 3748-3751.	6.6	303
12	Discovery of Aptamers Targeting the Receptor-Binding Domain of the SARS-CoV-2 Spike Glycoprotein. Analytical Chemistry, 2020, 92, 9895-9900.	3.2	296
13	Aptamer-Based Detection of Circulating Targets for Precision Medicine. Chemical Reviews, 2021, 121, 12035-12105.	23.0	294
14	Pyrene Excimer Signaling Molecular Beacons for Probing Nucleic Acids. Journal of the American Chemical Society, 2008, 130, 336-342.	6.6	289
15	Au@Pt Nanoparticle Encapsulated Target-Responsive Hydrogel with Volumetric Bar-Chart Chip Readout for Quantitative Point-of-Care Testing. Angewandte Chemie - International Edition, 2014, 53, 12503-12507.	7.2	205
16	Locked Nucleic Acid Molecular Beacons. Journal of the American Chemical Society, 2005, 127, 15664-15665.	6.6	198
17	High-Throughput Single Copy DNA Amplification and Cell Analysis in Engineered Nanoliter Droplets. Analytical Chemistry, 2008, 80, 3522-3529.	3.2	196
18	Molecular aptamers for drug delivery. Trends in Biotechnology, 2011, 29, 634-640.	4.9	190

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19	Graphene oxide-protected DNA probes for multiplex microRNA analysis in complex biological samples based on a cyclic enzymatic amplification method. <i>Chemical Communications</i> , 2012, 48, 194-196.	2.2	186
20	A Multifunctional Nanomicelle for Real-time Targeted Imaging and Precise Near-Infrared Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9544-9549.	7.2	177
21	Twist2 contributes to breast cancer progression by promoting an epithelial-mesenchymal transition and cancer stem-like cell self-renewal. <i>Oncogene</i> , 2011, 30, 4707-4720.	2.6	175
22	Microfluidic Distance Readout Sweet Hydrogel Integrated Paper-Based Analytical Device (1/4DiSH-PAD) for Visual Quantitative Point-of-Care Testing. <i>Analytical Chemistry</i> , 2016, 88, 2345-2352.	3.2	175
23	Bioinspired Engineering of a Multivalent Aptamer-Functionalized Nanointerface to Enhance the Capture and Release of Circulating Tumor Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2236-2240.	7.2	175
24	scp-DNA Molecular Beacon: A Safe, Stable, and Accurate Intracellular Nano-thermometer for Temperature Sensing in Living Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 18908-18911.	6.6	173
25	Homogeneous, Low-volume, Efficient, and Sensitive Quantitation of Circulating Exosomal PD-L1 for Cancer Diagnosis and Immunotherapy Response Prediction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4800-4805.	7.2	159
26	Hydrogel Droplet Microfluidics for High-Throughput Single Molecule/Cell Analysis. <i>Accounts of Chemical Research</i> , 2017, 50, 22-31.	7.6	158
27	Target-Responsive DNzyme Cross-Linked Hydrogel for Visual Quantitative Detection of Lead. <i>Analytical Chemistry</i> , 2014, 86, 11434-11439.	3.2	155
28	Molecular Assembly of Superquenchers in Signaling Molecular Interactions. <i>Journal of the American Chemical Society</i> , 2005, 127, 12772-12773.	6.6	152
29	PMMA/PDMS valves and pumps for disposable microfluidics. <i>Lab on A Chip</i> , 2009, 9, 3088.	3.1	150
30	Enrichment and single-cell analysis of circulating tumor cells. <i>Chemical Science</i> , 2017, 8, 1736-1751.	3.7	148
31	Translating Molecular Recognition into a Pressure Signal to enable Rapid, Sensitive, and Portable Biomedical Analysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10448-10453.	7.2	147
32	Aptamer Blocking Strategy Inhibits SARS-CoV-2 Virus Infection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10266-10272.	7.2	144
33	A Controllable Aptamer-Based Self-Assembled DNA Dendrimer for High Affinity Targeting, Bioimaging and Drug Delivery. <i>Scientific Reports</i> , 2015, 5, 10099.	1.6	143
34	Distance-based microfluidic quantitative detection methods for point-of-care testing. <i>Lab on A Chip</i> , 2016, 16, 1139-1151.	3.1	143
35	Bioinspired Engineering of Multivalent Aptamer-Functionalized Nanointerface to Enhance Capture and Release of Circulating Tumor Cells. <i>Angewandte Chemie</i> , 2018, 131, 2258.	1.6	141
36	DNA Aptamer-Mediated Cell Targeting. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1472-1476.	7.2	137

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37	Design and Synthesis of Target-Responsive Aptamer-Cross-linked Hydrogel for Visual Quantitative Detection of Ochratoxin A. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6982-6990.	4.0	137
38	Sonochemical synthesis of highly fluorescent glutathione-stabilized Ag nanoclusters and S2â€² sensing. <i>Nanoscale</i> , 2012, 4, 4103.	2.8	134
39	Isolation, Detection, and Antigenâ€Based Profiling of Circulating Tumor Cells Using a Sizeâ€Dictated Immunocapture Chip. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10681-10685.	7.2	132
40	Target-Responsive DNA Hydrogel Mediated â€Stop-Flowâ€Microfluidic Paper-Based Analytic Device for Rapid, Portable and Visual Detection of Multiple Targets. <i>Analytical Chemistry</i> , 2015, 87, 4275-4282.	3.2	131
41	Facile synthesis of red-emitting lysozyme-stabilized Ag nanoclusters. <i>Nanoscale</i> , 2012, 4, 5312.	2.8	129
42	MicroRNA-33b Inhibits Breast Cancer Metastasis by Targeting HMGA2, SALL4 and Twist1. <i>Scientific Reports</i> , 2015, 5, 9995.	1.6	128
43	DNAzyme crosslinked hydrogel: a new platform for visual detection of metal ions. <i>Chemical Communications</i> , 2011, 47, 9312.	2.2	126
44	Engineering of Switchable Aptamer Micelle Flares for Molecular Imaging in Living Cells. <i>ACS Nano</i> , 2013, 7, 5724-5731.	7.3	124
45	Massively Parallel Single-Molecule and Single-Cell Emulsion Reverse Transcription Polymerase Chain Reaction Using Agarose Droplet Microfluidics. <i>Analytical Chemistry</i> , 2012, 84, 3599-3606.	3.2	123
46	Directional Regulation of Enzyme Pathways through the Control of Substrate Channeling on a DNA Origami Scaffold. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7483-7486.	7.2	122
47	A Surface Energy Transfer Nanoruler for Measuring Binding Site Distances on Live Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 16559-16570.	6.6	119
48	Trends in miniaturized biosensors for point-of-care testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115701.	5.8	119
49	Tracing Tumorâ€Derived Exosomal PDâ€1 by Dualâ€Aptamer Activated Proximityâ€Induced Droplet Digital PCR. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7582-7586.	7.2	117
50	Direct Synthesis of an Oligonucleotideâ€Poly(phenylene ethynylene) Conjugate with a Precise One-to-One Molecular Ratio. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2572-2576.	7.2	114
51	Fluidic Multivalent Membrane Nanointerface Enables Synergetic Enrichment of Circulating Tumor Cells with High Efficiency and Viability. <i>Journal of the American Chemical Society</i> , 2020, 142, 4800-4806.	6.6	114
52	Agarose droplet microfluidics for highly parallel and efficient single molecule emulsion PCR. <i>Lab on A Chip</i> , 2010, 10, 2841.	3.1	111
53	Backbone-modified molecular beacons for highly sensitive and selective detection of microRNAs based on duplex specific nuclease signal amplification. <i>Chemical Communications</i> , 2013, 49, 7243.	2.2	110
54	In Vitro and in Vivo Studies on the Transport of PEGylated Silica Nanoparticles across the Bloodâ€Brain Barrier. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2131-2136.	4.0	109

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55	A Synthetic Light-Driven Substrate Channeling System for Precise Regulation of Enzyme Cascade Activity Based on DNA Origami. <i>Journal of the American Chemical Society</i> , 2018, 140, 8990-8996.	6.6	108
56	Highly Sensitive and Automated Surface Enhanced Raman Scattering-based Immunoassay for H5N1 Detection with Digital Microfluidics. <i>Analytical Chemistry</i> , 2018, 90, 5224-5231.	3.2	107
57	Mass Amplifying Probe for Sensitive Fluorescence Anisotropy Detection of Small Molecules in Complex Biological Samples. <i>Analytical Chemistry</i> , 2012, 84, 5535-5541.	3.2	105
58	<i>In Vitro</i> Selection of DNA Aptamers for Metastatic Breast Cancer Cell Recognition and Tissue Imaging. <i>Analytical Chemistry</i> , 2014, 86, 6596-6603.	3.2	102
59	Portable visual quantitative detection of aflatoxin B ₁ using a target-responsive hydrogel and a distance-readout microfluidic chip. <i>Lab on A Chip</i> , 2016, 16, 3097-3104.	3.1	102
60	A microfluidic-integrated lateral flow recombinase polymerase amplification (MI-IF-RPA) assay for rapid COVID-19 detection. <i>Lab on A Chip</i> , 2021, 21, 2019-2026.	3.1	101
61	A Cell-Surface-Anchored Ratiometric Fluorescent Probe for Extracellular pH Sensing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15329-15334.	4.0	99
62	DNA-directed nanofabrication of high-performance carbon nanotube field-effect transistors. <i>Science</i> , 2020, 368, 878-881.	6.0	99
63	Integration of target responsive hydrogel with cascaded enzymatic reactions and microfluidic paper-based analytic devices (µPADs) for point-of-care testing (POCT). <i>Biosensors and Bioelectronics</i> , 2016, 77, 537-542.	5.3	96
64	Superior structure stability and selectivity of hairpin nucleic acid probes with an L-DNA stem. <i>Nucleic Acids Research</i> , 2007, 35, 7279-7287.	6.5	89
65	Recent Progress in Microfluidics-Based Biosensing. <i>Analytical Chemistry</i> , 2019, 91, 388-404.	3.2	89
66	Molecular signaling of the epithelial to mesenchymal transition in generating and maintaining cancer stem cells. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2605-2618.	2.4	88
67	A fully integrated distance readout ELISA-Chip for point-of-care testing with sample-in-answer-out capability. <i>Biosensors and Bioelectronics</i> , 2017, 96, 332-338.	5.3	88
68	Integrating Target-Responsive Hydrogel with Pressuremeter Readout Enables Simple, Sensitive, User-Friendly, Quantitative Point-of-Care Testing. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22252-22258.	4.0	88
69	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	4.2	88
70	A general excimer signaling approach for aptamer sensors. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2232-2237.	5.3	87
71	Surface-Enhanced Raman Scattering Active Plasmonic Nanoparticles with Ultrasmall Interior Nanogap for Multiplex Quantitative Detection and Cancer Cell Imaging. <i>Analytical Chemistry</i> , 2016, 88, 7828-7836.	3.2	84
72	Design and synthesis of target-responsive hydrogel for portable visual quantitative detection of uranium with a microfluidic distance-based readout device. <i>Biosensors and Bioelectronics</i> , 2016, 85, 496-502.	5.3	83

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73	Self-Assembly of a Bifunctional DNA Carrier for Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6098-6101.	7.2	82
74	Single-molecule emulsion PCR in microfluidic droplets. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2127-2143.	1.9	81
75	Microfluidic-Based Exosome Analysis for Liquid Biopsy. <i>Small Methods</i> , 2021, 5, e2001131.	4.6	81
76	Microfluidic Single-Cell Omics Analysis. <i>Small</i> , 2020, 16, e1903905.	5.2	80
77	Integrated Distance-Based Origami Paper Analytical Device for One-Step Visualized Analysis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30480-30487.	4.0	79
78	Synthesis and investigation of deoxyribonucleic acid/locked nucleic acid chimeric molecular beacons. <i>Nucleic Acids Research</i> , 2007, 35, 4030-4041.	6.5	77
79	Nucleic Acid Beacons for Long-Term Real-Time Intracellular Monitoring. <i>Analytical Chemistry</i> , 2008, 80, 3025-3028.	3.2	76
80	In Vitro Selection of Highly Efficient G-Quadruplex-Based DNAzymes. <i>Analytical Chemistry</i> , 2012, 84, 8383-8390.	3.2	76
81	A T7 exonuclease-assisted cyclic enzymatic amplification method coupled with rolling circle amplification: a dual-amplification strategy for sensitive and selective microRNA detection. <i>Chemical Communications</i> , 2014, 50, 1576-1578.	2.2	76
82	Platinum nanoflowers supported on graphene oxide nanosheets: their green synthesis, growth mechanism, and advanced electrocatalytic properties for methanol oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 11284.	6.7	75
83	DNA Nanolithography Enables a Highly Ordered Recognition Interface in a Microfluidic Chip for the Efficient Capture and Release of Circulating Tumor Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14115-14119.	7.2	74
84	Highly sensitive and quantitative detection of rare pathogens through agarose droplet microfluidic emulsion PCR at the single-cell level. <i>Lab on A Chip</i> , 2012, 12, 3907.	3.1	71
85	ICP-MS-Based Multiplex and Ultrasensitive Assay of Viruses with Lanthanide-Coded Biospecific Tagging and Amplification Strategies. <i>Analytical Chemistry</i> , 2013, 85, 9428-9432.	3.2	71
86	Enzyme-Encapsulated Liposome-Linked Immunosorbent Assay Enabling Sensitive Personal Glucose Meter Readout for Portable Detection of Disease Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6890-6897.	4.0	71
87	Metabolic Labeling of Peptidoglycan with NIR-Fluorescent Dye Enables In Vivo Imaging of Gut Microbiota. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2628-2633.	7.2	71
88	Stabilization of ssRNA on Graphene Oxide Surface: An Effective Way to Design Highly Robust RNA Probes. <i>Analytical Chemistry</i> , 2013, 85, 2269-2275.	3.2	70
89	Monoclonal Surface Display SELEX for Simple, Rapid, Efficient, and Cost-Effective Aptamer Enrichment and Identification. <i>Analytical Chemistry</i> , 2014, 86, 5881-5888.	3.2	70
90	Molecular beacons for bioanalytical applications. <i>Analyst</i> , 2005, 130, 1002.	1.7	69

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91	Highly sensitive and selective detection of miRNA: DNase I-assisted target recycling using DNA probes protected by polydopamine nanospheres. <i>Chemical Communications</i> , 2015, 51, 2156-2158.	2.2	69
92	Assessing the viability of transplanted gut microbiota by sequential tagging with D-amino acid-based metabolic probes. <i>Nature Communications</i> , 2019, 10, 1317.	5.8	68
93	Coupling Aptamer-based Protein Tagging with Metabolic Glycan Labeling for In Situ Visualization and Biological Function Study of Exosomal Protein-specific Glycosylation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18111-18115.	7.2	66
94	An electrochemical sensor based on label-free functional allosteric molecular beacons for detection target DNA/miRNA. <i>Biosensors and Bioelectronics</i> , 2013, 41, 783-788.	5.3	65
95	Biostable L-DNAzyme for Sensing of Metal Ions in Biological Systems. <i>Analytical Chemistry</i> , 2016, 88, 1850-1855.	3.2	65
96	Integrated paper-based microfluidic devices for point-of-care testing. <i>Analytical Methods</i> , 2018, 10, 3567-3581.	1.3	65
97	Control of capillary behavior through target-responsive hydrogel permeability alteration for sensitive visual quantitative detection. <i>Nature Communications</i> , 2019, 10, 1036.	5.8	65
98	Highly Parallel Single-Molecule Amplification Approach Based on Agarose Droplet Polymerase Chain Reaction for Efficient and Cost-Effective Aptamer Selection. <i>Analytical Chemistry</i> , 2012, 84, 350-355.	3.2	64
99	A portable visual detection method based on a target-responsive DNA hydrogel and color change of gold nanorods. <i>Chemical Communications</i> , 2017, 53, 6375-6378.	2.2	64
100	Point-of-Care Assay of Telomerase Activity at Single-Cell Level via Gas Pressure Readout. <i>Analytical Chemistry</i> , 2017, 89, 8311-8318.	3.2	63
101	A universal platform for sensitive and selective colorimetric DNA detection based on Exo III assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2796-2800.	5.3	61
102	Aptamer-based microfluidics for isolation, release and analysis of circulating tumor cells. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 117, 69-77.	5.8	61
103	Target-responsive DNA hydrogel for non-enzymatic and visual detection of glucose. <i>Analyst, The</i> , 2018, 143, 1679-1684.	1.7	58
104	Selection of DNA aptamers against epidermal growth factor receptor with high affinity and specificity. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 681-685.	1.0	57
105	Ultrasensitive and Facile Detection of MicroRNA via a Portable Pressure Meter. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12526-12533.	4.0	57
106	Spherical Neutralizing Aptamer Inhibits SARS-CoV-2 Infection and Suppresses Mutational Escape. <i>Journal of the American Chemical Society</i> , 2021, 143, 21541-21548.	6.6	56
107	Evolution of DNA Aptamers through in Vitro Metastatic-Cell-Based Systematic Evolution of Ligands by Exponential Enrichment for Metastatic Cancer Recognition and Imaging. <i>Analytical Chemistry</i> , 2015, 87, 4941-4948.	3.2	55
108	A pressure-based bioassay for the rapid, portable and quantitative detection of C-reactive protein. <i>Chemical Communications</i> , 2016, 52, 8452-8454.	2.2	55

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109	Light-Switching Excimer Beacon Assays For Ribonuclease H Kinetic Study. <i>ChemBioChem</i> , 2008, 9, 355-359.	1.3	54
110	Digital-WGS: Automated, highly efficient whole-genome sequencing of single cells by digital microfluidics. <i>Science Advances</i> , 2020, 6, .	4.7	54
111	Selection of DNA Aptamers against Glioblastoma Cells with High Affinity and Specificity. <i>PLoS ONE</i> , 2012, 7, e42731.	1.1	52
112	Recent Progress in Aptamer-Based Functional Probes for Bioanalysis and Biomedicine. <i>Chemistry - A European Journal</i> , 2016, 22, 9886-9900.	1.7	52
113	SuperCT: a supervised-learning framework for enhanced characterization of single-cell transcriptomic profiles. <i>Nucleic Acids Research</i> , 2019, 47, e48-e48.	6.5	52
114	Hybrid Molecular Probe for Nucleic Acid Analysis in Biological Samples. <i>Journal of the American Chemical Society</i> , 2006, 128, 9986-9987.	6.6	51
115	Synthesis of Uniform-Size Hollow Silica Microspheres through Interfacial Polymerization in Monodisperse Water-in-Oil Droplets. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2711-2714.	4.0	50
116	Lateral flow assay with pressure meter readout for rapid point-of-care detection of disease-associated protein. <i>Lab on A Chip</i> , 2018, 18, 965-970.	3.1	50
117	Highly parallel and efficient single cell mRNA sequencing with paired picoliter chambers. <i>Nature Communications</i> , 2020, 11, 2118.	5.8	50
118	A highly parallel microfluidic droplet method enabling single-molecule counting for digital enzyme detection. <i>Biomicrofluidics</i> , 2014, 8, 014110.	1.2	49
119	Simple and Rapid Functionalization of Gold Nanorods with Oligonucleotides Using an mPEG-SH/Tween 20-Assisted Approach. <i>Langmuir</i> , 2015, 31, 7869-7876.	1.6	48
120	Microfluidic-Integrated Multicolor Immunosensor for Visual Detection of HIV-1 p24 Antigen with the Naked Eye. <i>Analytical Chemistry</i> , 2020, 92, 11826-11833.	3.2	48
121	Synergetic Approach for Simple and Rapid Conjugation of Gold Nanoparticles with Oligonucleotides. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16800-16807.	4.0	47
122	Monitoring Nucleic Acids Using Molecular Beacons. <i>Current Pharmaceutical Biotechnology</i> , 2005, 6, 445-452.	0.9	46
123	A cyclic enzymatic amplification method for sensitive and selective detection of nucleic acids. <i>Analyst, The</i> , 2010, 135, 2069.	1.7	46
124	Identification, Characterization and Application of a G-Quadruplex Structured DNA Aptamer against Cancer Biomarker Protein Anterior Gradient Homolog 2. <i>PLoS ONE</i> , 2012, 7, e46393.	1.1	46
125	A Sequential Multidimensional Analysis Algorithm for Aptamer Identification based on Structure Analysis and Machine Learning. <i>Analytical Chemistry</i> , 2020, 92, 3307-3314.	3.2	45
126	Using DNA Aptamer Probe for Immunostaining of Cancer Frozen Tissues. <i>Analytical Chemistry</i> , 2015, 87, 1919-1924.	3.2	44

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127	Pyrene Excimer Nucleic Acid Probes for Biomolecule Signaling. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 495-504.	0.5	42
128	Facile and Rapid Generation of Large-Scale Microcollagen Gel Array for Long-Term Single-Cell 3D Culture and Cell Proliferation Heterogeneity Analysis. <i>Analytical Chemistry</i> , 2014, 86, 2789-2797.	3.2	42
129	Positive carbon dots with dual roles of nanoquencher and reference signal for the ratiometric fluorescence sensing of DNA. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 193-201.	4.0	42
130	Visual Quantitative Detection of Circulating Tumor Cells with Single-Cell Sensitivity Using a Portable Microfluidic Device. <i>Small</i> , 2019, 15, 1804890.	5.2	42
131	Beyond Capture: Circulating Tumor Cell Release and Single-Cell Analysis. <i>Small Methods</i> , 2019, 3, 1800544.	4.6	41
132	Linear molecular beacons for highly sensitive bioanalysis based on cyclic Exo III enzymatic amplification. <i>Biosensors and Bioelectronics</i> , 2011, 27, 119-124.	5.3	40
133	Preparation of Reversible Colorimetric Temperature Nanosensors and Their Application in Quantitative Two-Dimensional Thermo-Imaging. <i>Analytical Chemistry</i> , 2011, 83, 2434-2437.	3.2	40
134	Graphene Oxide Protected Nucleic Acid Probes for Bioanalysis and Biomedicine. <i>Chemistry - A European Journal</i> , 2013, 19, 10442-10451.	1.7	39
135	Label-Free Fluorescence Strategy for Sensitive Detection of Adenosine Triphosphate Using a Loop DNA Probe with Low Background Noise. <i>Analytical Chemistry</i> , 2014, 86, 6758-6762.	3.2	39
136	Preparation and electro-optical properties of polymer dispersed liquid crystal films with relatively low liquid crystal content. <i>Polymers for Advanced Technologies</i> , 2013, 24, 453-459.	1.6	38
137	Staining Traditional Colloidal Gold Test Strips with Pt Nanoshell Enables Quantitative Point-of-Care Testing with Simple and Portable Pressure Meter Readout. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1800-1806.	4.0	38
138	Aptamer-Based Liquid Biopsy. <i>ACS Applied Bio Materials</i> , 2020, 3, 2743-2764.	2.3	38
139	A G-Quadruplex Aptamer Inhibits the Phosphatase Activity of Oncogenic Protein Shp2 in vitro. <i>ChemBioChem</i> , 2011, 12, 424-430.	1.3	37
140	Carbon nanoparticle-protected aptamers for highly sensitive and selective detection of biomolecules based on nuclease-assisted target recycling signal amplification. <i>Chemical Communications</i> , 2014, 50, 7646-7648.	2.2	37
141	Imaging Commensal Microbiota and Pathogenic Bacteria in the Gut. <i>Accounts of Chemical Research</i> , 2021, 54, 2076-2087.	7.6	37
142	Microfluidic approaches to rapid and efficient aptamer selection. <i>Biomicrofluidics</i> , 2014, 8, 041501.	1.2	36
143	Evolution of DNA aptamers for malignant brain tumor gliosarcoma cell recognition and clinical tissue imaging. <i>Biosensors and Bioelectronics</i> , 2016, 80, 1-8.	5.3	36
144	Gas-generating reactions for point-of-care testing. <i>Analyst</i> , 2018, 143, 1294-1304.	1.7	36

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145	Homogeneous, Low-volume, Efficient, and Sensitive Quantitation of Circulating Exosomal PD-L1 for Cancer Diagnosis and Immunotherapy Response Prediction. <i>Angewandte Chemie</i> , 2020, 132, 4830-4835.	1.6	36
146	Backbone modification promotes peroxidase activity of G-quadruplex-based DNAzyme. <i>Chemical Communications</i> , 2012, 48, 8347.	2.2	34
147	Microfluidic fabrication of cholesteric liquid crystal core-shell structures toward magnetically transportable microlasers. <i>Lab on A Chip</i> , 2016, 16, 1206-1213.	3.1	34
148	Microwell Array Method for Rapid Generation of Uniform Agarose Droplets and Beads for Single Molecule Analysis. <i>Analytical Chemistry</i> , 2018, 90, 2570-2577.	3.2	34
149	Molecular Crowding Evolution for Enabling Discovery of Enthalpy-Driven Aptamers for Robust Biomedical Applications. <i>Analytical Chemistry</i> , 2019, 91, 10879-10886.	3.2	34
150	Single cell transcriptomics: moving towards multi-omics. <i>Analyst</i> , 2019, 144, 3172-3189.	1.7	34
151	Rapid, real-time chemiluminescent detection of DNA mutation based on digital microfluidics and pyrosequencing. <i>Biosensors and Bioelectronics</i> , 2019, 126, 551-557.	5.3	34
152	A Highly Sensitive, Accurate, and Automated Single-Cell RNA Sequencing Platform with Digital Microfluidics. <i>Analytical Chemistry</i> , 2020, 92, 8599-8606.	3.2	34
153	Quantification of Bacterial Metabolic Activities in the Gut by ¹³ C-Amino Acid-Based ¹⁵ N-Vivo Labeling. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11923-11926.	7.2	34
154	DNA-Mediated Morphological Control of Silver Nanoparticles. <i>Small</i> , 2016, 12, 5449-5487.	5.2	33
155	Caged molecular beacons: controlling nucleic acid hybridization with light. <i>Chemical Communications</i> , 2011, 47, 5708.	2.2	32
156	Cancer stem cell targeting: the next generation of cancer therapy and molecular imaging. <i>Therapeutic Delivery</i> , 2012, 3, 227-244.	1.2	32
157	Frequency-enhanced transferrin receptor antibody-labelled microfluidic chip (FETAL-Chip) enables efficient enrichment of circulating nucleated red blood cells for non-invasive prenatal diagnosis. <i>Lab on A Chip</i> , 2018, 18, 2749-2756.	3.1	32
158	Bacterial Extracellular Electron Transfer Occurs in Mammalian Gut. <i>Analytical Chemistry</i> , 2019, 91, 12138-12141.	3.2	32
159	Selection of Aptamers Against Vimentin for Isolation and Release of Circulating Tumor Cells Undergoing Epithelial Mesenchymal Transition. <i>Analytical Chemistry</i> , 2020, 92, 5178-5184.	3.2	32
160	Spatially Patterned Neutralizing Icosahedral DNA Nanocage for Efficient SARS-CoV-2 Blocking. <i>Journal of the American Chemical Society</i> , 2022, 144, 13146-13153.	6.6	32
161	Three-Dimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3055-3061.	7.2	31
162	Detection of T4 Polynucleotide Kinase via Allosteric Aptamer Probe Platform. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38356-38363.	4.0	30

#	ARTICLE	IF	CITATIONS
163	Aptamer Generated by Cell-SELEX for Specific Targeting of Human Glioma Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9306-9315.	4.0	30
164	Allosteric Molecular Beacons for Sensitive Detection of Nucleic Acids, Proteins, and Small Molecules in Complex Biological Samples. <i>Chemistry - A European Journal</i> , 2011, 17, 9042-9046.	1.7	29
165	A Shake&Read distance-based microfluidic chip as a portable quantitative readout device for highly sensitive point-of-care testing. <i>Chemical Communications</i> , 2016, 52, 13377-13380.	2.2	29
166	Auto-affitech: an automated ligand binding affinity evaluation platform using digital microfluidics with a bidirectional magnetic separation method. <i>Lab on A Chip</i> , 2020, 20, 1577-1585.	3.1	29
167	Stable Colloidosomes Formed by Self-Assembly of Colloidal Surfactant for Highly Robust Digital PCR. <i>Analytical Chemistry</i> , 2019, 91, 6003-6011.	3.2	28
168	A dual-signal amplification method for the DNA detection based on exonuclease III. <i>Biosensors and Bioelectronics</i> , 2014, 61, 370-373.	5.3	27
169	In Situ Pt Staining Method for Simple, Stable, and Sensitive Pressure-Based Bioassays. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13390-13396.	4.0	27
170	Centrifugal-Driven Droplet Generation Method with Minimal Waste for Single-Cell Whole Genome Amplification. <i>Analytical Chemistry</i> , 2019, 91, 13611-13619.	3.2	27
171	A tridecaptin-based fluorescent probe for differential staining of Gram-negative bacteria. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4017-4023.	1.9	27
172	TaqMan probe array for quantitative detection of DNA targets. <i>Nucleic Acids Research</i> , 2006, 34, e4-e4.	6.5	26
173	Sensitive, Rapid, and Automated Detection of DNA Methylation Based on Digital Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8042-8048.	4.0	26
174	A label-free fluorescence strategy for sensitive detection of ATP based on the ligation-triggered super-sandwich. <i>Biosensors and Bioelectronics</i> , 2015, 63, 562-565.	5.3	25
175	Evolution of Nucleic Acid Aptamers Capable of Specifically Targeting Glioma Stem Cells via Cell-SELEX. <i>Analytical Chemistry</i> , 2019, 91, 8070-8077.	3.2	25
176	Single-Cell Digital Microfluidic Mass Spectrometry Platform for Efficient and Multiplex Genotyping of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2022, 94, 1108-1117.	3.2	25
177	Single-molecule photon-fueled DNA nanoscissors for DNA cleavage based on the regulation of substrate binding affinity by azobenzene. <i>Chemical Communications</i> , 2013, 49, 8716.	2.2	24
178	Target-responsive DNAzyme hydrogel for portable colorimetric detection of lanthanide(III) ions. <i>Science China Chemistry</i> , 2017, 60, 293-298.	4.2	24
179	Highly Sensitive Minimal Residual Disease Detection by Biomimetic Multivalent Aptamer Nanoclimber Functionalized Microfluidic Chip. <i>Small</i> , 2020, 16, e2000949.	5.2	24
180	Pyrene Excimer for DNA Sensors. <i>Current Organic Chemistry</i> , 2011, 15, 465-476.	0.9	23

#	ARTICLE	IF	CITATIONS
181	Control of CRISPR-Cas9 with small molecule-activated allosteric aptamer regulating sgRNAs. <i>Chemical Communications</i> , 2019, 55, 12223-12226.	2.2	23
182	Efficient Isolation and Phenotypic Profiling of Circulating Hepatocellular Carcinoma Cells via a Combinatorial-Antibody-Functionalized Microfluidic Synergetic-Chip. <i>Analytical Chemistry</i> , 2020, 92, 15229-15235.	3.2	23
183	Multichannel Paper Chip-Based Gas Pressure Bioassay for Simultaneous Detection of Multiple MicroRNAs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15008-15016.	4.0	23
184	Digital Microfluidic Thermal Control Chip-Based Multichannel Immunosensor for Noninvasively Detecting Acute Myocardial Infarction. <i>Analytical Chemistry</i> , 2021, 93, 15033-15041.	3.2	23
185	Spherical neutralizing aptamer suppresses SARS-CoV-2 Omicron escape. <i>Nano Today</i> , 2022, 44, 101499.	6.2	23
186	Ultrasensitive and portable assay of mercury (II) ions via gas pressure as readout. <i>Biosensors and Bioelectronics</i> , 2018, 122, 32-36.	5.3	22
187	Distance-based paper/PMMA integrated ELISA-chip for quantitative detection of immunoglobulin G. <i>Lab on a Chip</i> , 2020, 20, 3625-3632.	3.1	22
188	Directional Regulation of Enzyme Pathways through the Control of Substrate Channeling on a DNA Origami Scaffold. <i>Angewandte Chemie</i> , 2016, 128, 7609-7612.	1.6	21
189	Engineering Molecular Beacons for Intracellular Imaging. <i>International Journal of Molecular Imaging</i> , 2012, 2012, 1-10.	1.3	20
190	A diazirine-based photoaffinity probe for facile and efficient aptamer-protein covalent conjugation. <i>Chemical Communications</i> , 2014, 50, 4891-4894.	2.2	20
191	DNA aptamers from whole-cell SELEX as new diagnostic agents against glioblastoma multiforme cells. <i>Analyst</i> , 2018, 143, 2267-2275.	1.7	20
192	Design and synthesis of ortho-phthalaldehyde phosphoramidite for single-step, rapid, efficient and chemoselective coupling of DNA with proteins under physiological conditions. <i>Chemical Communications</i> , 2018, 54, 9434-9437.	2.2	20
193	Revealing the in vivo growth and division patterns of mouse gut bacteria. <i>Science Advances</i> , 2020, 6, .	4.7	20
194	Aptamer Blocking Strategy Inhibits SARS-CoV-2 Virus Infection. <i>Angewandte Chemie</i> , 2021, 133, 10354-10360.	1.6	20
195	A Fully Automated and Integrated Microfluidic System for Efficient CTC Detection and Its Application in Hepatocellular Carcinoma Screening and Prognosis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30174-30186.	4.0	20
196	Label-free visual detection of nucleic acids in biological samples with single-base mismatch detection capability. <i>Chemical Communications</i> , 2012, 48, 576-578.	2.2	19
197	Afi-Chip: An Equipment-Free, Low-Cost, and Universal Binding Ligand Affinity Evaluation Platform. <i>Analytical Chemistry</i> , 2016, 88, 8294-8301.	3.2	19
198	Isolation, Detection, and Antigen-Based Profiling of Circulating Tumor Cells Using a Size-Dictated Immunocapture Chip. <i>Angewandte Chemie</i> , 2017, 129, 10821-10825.	1.6	19

#	ARTICLE	IF	CITATIONS
199	Selection and identification of transferrin receptor-specific peptides as recognition probes for cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1071-1077.	1.9	19
200	Quantification of Bacterial Metabolic Activities in the Gut by ^{15}N -Amino Acid-Based in vivo Labeling. <i>Angewandte Chemie</i> , 2020, 132, 12021-12024.	1.6	19
201	HUNTER-Chip: Bioinspired Hierarchically Aptamer Structure-Based Circulating Fetal Cell Isolation for Non-Invasive Prenatal Testing. <i>Analytical Chemistry</i> , 2021, 93, 7235-7241.	3.2	19
202	Direct and Simultaneous Identification of Multiple Mitochondrial Reactive Oxygen Species in Living Cells Using a SERS Borrowing Strategy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
203	Bandwidth-controllable reflective cholesteric gels from photo- and thermally-induced processes. <i>Liquid Crystals</i> , 2010, 37, 311-316.	0.9	18
204	Centrifugal micropipette-tip with pressure signal readout for portable quantitative detection of myoglobin. <i>Chemical Communications</i> , 2017, 53, 11774-11777.	2.2	18
205	Microfluidic generation of cholesteric liquid crystal droplets with an integrative cavity for dual-gain and controllable lasing. <i>Lab on A Chip</i> , 2019, 19, 3116-3122.	3.1	18
206	3D-printed integrative probeheads for magnetic resonance. <i>Nature Communications</i> , 2020, 11, 5793.	5.8	18
207	Scaling Up DNA Self-Assembly. <i>ACS Applied Bio Materials</i> , 2020, 3, 2805-2815.	2.3	18
208	<i>In Situ</i> Visualization of PD-L1-Specific Glycosylation on Tissue Sections. <i>Analytical Chemistry</i> , 2021, 93, 15958-15963.	3.2	18
209	Quantification-Promoted Discovery of Glycosylated Exosomal PD-L1 as a Potential Tumor Biomarker. <i>Small Methods</i> , 2022, 6, .	4.6	18
210	Studies on electro-optical properties of polymer dispersed liquid crystal films based on epoxy resins prepared by UV-initiated cationic polymerisation. <i>Liquid Crystals</i> , 2012, 39, 313-321.	0.9	17
211	Using aptamers to elucidate esophageal cancer clinical samples. <i>Scientific Reports</i> , 2016, 5, 18516.	1.6	17
212	Single-Cell Sequencing Methodologies: From Transcriptome to Multi-Dimensional Measurement. <i>Small Methods</i> , 2021, 5, e2100111.	4.6	17
213	Microfluidic single-cell transcriptomics: moving towards multimodal and spatiotemporal omics. <i>Lab on A Chip</i> , 2021, 21, 3829-3849.	3.1	17
214	SARS-CoV-2-Encoded miRNAs Inhibit Host Type I Interferon Pathway and Mediate Allelic Differential Expression of Susceptible Gene. <i>Frontiers in Immunology</i> , 2021, 12, 767726.	2.2	17
215	Cyclic enzymatic amplification method (CEAM) based on exonuclease III for highly sensitive bioanalysis. <i>Methods</i> , 2013, 63, 202-211.	1.9	16
216	Inhibition of the superantigenic activities of Staphylococcal enterotoxin A by an aptamer antagonist. <i>Toxicon</i> , 2016, 119, 21-27.	0.8	16

#	ARTICLE	IF	CITATIONS
217	Selection and applications of functional nucleic acids for infectious disease detection and prevention. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4563-4579.	1.9	16
218	Microfluidic devices with simplified signal readout. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129730.	4.0	16
219	Trifluoromethylated nucleic acid analogues capable of self-assembly through hydrophobic interactions. <i>Chemical Science</i> , 2014, 5, 4076-4081.	3.7	15
220	Antibody-engineered red blood cell interface for high-performance capture and release of circulating tumor cells. <i>Bioactive Materials</i> , 2022, 11, 32-40.	8.6	15
221	Chameleon clothes for quantitative oxygen imaging. <i>Journal of Materials Chemistry</i> , 2011, 21, 17651.	6.7	14
222	Single-Molecule Force Spectroscopic Studies on Intra- and Intermolecular Interactions of G-Quadruplex Aptamer with Target Shp2 Protein. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11397-11404.	1.2	14
223	Cilo-seq: highly sensitive cell-in-library-out single-cell transcriptome sequencing with digital microfluidics. <i>Lab on A Chip</i> , 2022, 22, 1971-1979.	3.1	14
224	Detection of DNA methyltransferase activity using allosteric molecular beacons. <i>Analyst, The</i> , 2016, 141, 579-584.	1.7	13
225	Exosomal PD-L1: an effective liquid biopsy target to predict immunotherapy response. <i>National Science Review</i> , 2019, 6, 1103-1104.	4.6	13
226	LINTaWeb: A Web-Based Lipidomic Data Mining Tool Using Intra-Omic Integrative Correlation Strategy. <i>Small Methods</i> , 2021, 5, e2100206.	4.6	13
227	Stimuli-Responsive Microfluidic Interface Enables Highly Efficient Capture and Release of Circulating Fetal Cells for Non-Invasive Prenatal Testing. <i>Analytical Chemistry</i> , 2020, 92, 9281-9286.	3.2	13
228	Interfacing droplet microfluidics with antibody barcodes for multiplexed single-cell protein secretion profiling. <i>Lab on A Chip</i> , 2021, 21, 4823-4830.	3.1	13
229	Using Molecular Beacons for Sensitive Fluorescence Assays of the Enzymatic Cleavage of Nucleic Acids. , 2006, 335, 71-82.		12
230	Stimulus-Responsive Microfluidic Interface Enables Efficient Enrichment and Cytogenetic Profiling of Circulating Myeloma Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14920-14927.	4.0	12
231	Reversible Immunoaffinity Interface Enables Dynamic Manipulation of Trapping Force for Accumulated Capture and Efficient Release of Circulating Rare Cells. <i>Advanced Science</i> , 2021, 8, e2102070.	5.6	12
232	An electrochemical method for a rapid and sensitive immunoassay on digital microfluidics with integrated indium tin oxide electrodes coated on a PET film. <i>Analyst, The</i> , 2021, 146, 4473-4479.	1.7	12
233	Recent Advances in Aptamer-Based Liquid Biopsy. <i>ACS Applied Bio Materials</i> , 2022, 5, 1954-1979.	2.3	12
234	Amplified visualization and function exploration of exosomal protein-specific glycosylation using hybridization chain reaction from non-functional epitope. <i>Science China Chemistry</i> , 2022, 65, 1204-1211.	4.2	12

#	ARTICLE	IF	CITATIONS
235	An Allosteric-Probe for Detection of Alkaline Phosphatase Activity and Its Application in Immunoassay. <i>Frontiers in Chemistry</i> , 2018, 6, 618.	1.8	11
236	Crosstalk-free colloidosomes for high throughput single-molecule protein analysis. <i>Science China Chemistry</i> , 2020, 63, 1507-1514.	4.2	11
237	Activation of Aptamers with Gain of Function by Small-Molecule Clipping of Intramolecular Motifs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6021-6028.	7.2	11
238	Imaging the in vivo growth patterns of bacteria in human gut Microbiota. <i>Gut Microbes</i> , 2021, 13, 1960134.	4.3	11
239	Integrated microfluidic devices for in vitro diagnostics at point of care. <i>Aggregate</i> , 2022, 3, .	5.2	11
240	Decoding Expression Dynamics of Protein and Transcriptome at the Single-Cell Level in Paired Picoliter Chambers. <i>Analytical Chemistry</i> , 2022, 94, 8164-8173.	3.2	11
241	DNA-Programmed Orientation-Ordered Multivalent Microfluidic Interface for Liquid Biopsy. <i>Analytical Chemistry</i> , 2022, 94, 8766-8773.	3.2	11
242	Competitive excitation and osmotic-pressure-mediated control of lasing modes in cholesteric liquid crystal microshells. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	10
243	Catalase-linked immunosorbent pressure assay for portable quantitative analysis. <i>Analyst, The</i> , 2019, 144, 4188-4193.	1.7	10
244	Entropy subspace separation-based clustering for noise reduction (ENCORE) of scRNA-seq data. <i>Nucleic Acids Research</i> , 2021, 49, e18-e18.	6.5	10
245	Biodistributions of <i>l</i> -, <i>d</i> -Transpeptidases in Gut Microbiota Revealed by <i>In Vivo</i> Labeling with Peptidoglycan Analogs. <i>ACS Chemical Biology</i> , 2021, 16, 1164-1171.	1.6	10
246	Auto-Panning: a highly integrated and automated biopanning platform for peptide screening. <i>Lab on A Chip</i> , 2021, 21, 2702-2710.	3.1	10
247	Metabolic Labeling of Peptidoglycan with NIR Dye Enables In Vivo Imaging of Gut Microbiota. <i>Angewandte Chemie</i> , 2020, 132, 2650-2655.	1.6	9
248	Coupling Aptamer-based Protein Tagging with Metabolic Glycan Labeling for In Situ Visualization and Biological Function Study of Exosomal Protein-specific Glycosylation. <i>Angewandte Chemie</i> , 2021, 133, 18259-18263.	1.6	9
249	Mapping Gene Expression in the Spatial Dimension. <i>Small Methods</i> , 2021, 5, e2100722.	4.6	9
250	Structure- and Interaction-Based Design of Anti-SARS-CoV-2 Aptamers. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
251	Reversible and Highly Ordered Biointerfaces for Efficient Capture and Nondestructive Release of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 0, , .	3.2	9
252	LINEAGE: Label-free identification of endogenous informative single-cell mitochondrial RNA mutation for lineage analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	8

#	ARTICLE	IF	CITATIONS
253	Wellâ€Pairedâ€Seq: A Sizeâ€Exclusion and Locally Quasiâ€Static Hydrodynamic Microwell Chip for Singleâ€Cell RNAâ€Seq. <i>Small Methods</i> , 2022, 6, e2200341.	4.6	8
254	Magnetofluid-Integrated Multicolor Immunochip for Visual Analysis of Neutralizing Antibodies to SARS-CoV-2 Variants. <i>Analytical Chemistry</i> , 2022, 94, 8458-8465.	3.2	8
255	The influence of charged ions on the electro-optical properties of polymer-dispersed liquid crystal films prepared by ultraviolet-initiated cationic polymerization. <i>Journal of Applied Physics</i> , 2012, 112, 043106.	1.1	7
256	Retrograde en bloc resection for non-muscle invasive bladder tumor can reduce the risk of seeding cancer cells into the peripheral circulation. <i>World Journal of Surgical Oncology</i> , 2020, 18, 33.	0.8	7
257	Molecular behavior of the aptamer HJ24 self-assembled on highly oriented pyrolytic graphite (HOPG). <i>Science China Chemistry</i> , 2015, 58, 1858-1865.	4.2	6
258	Portable detection of serum HER-2 in breast cancer by a pressure-based platform. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7489-7498.	1.9	6
259	pH-Triggered Silk Fibroin/Alginate Structures Fabricated in Aqueous Two-Phase System. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5897-5905.	2.6	6
260	DNA Nanolithography Enables a Highly Ordered Recognition Interface in a Microfluidic Chip for the Efficient Capture and Release of Circulating Tumor Cells. <i>Angewandte Chemie</i> , 2020, 132, 14219-14223.	1.6	6
261	In situ Raman enhancement strategy for highly sensitive and quantitative lateral flow assay. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 507-513.	1.9	6
262	A polypyrrole-mediated photothermal biosensor with a temperature and pressure dual readout for the detection of protein biomarkers. <i>Analyst</i> , 2022, 147, 2671-2677.	1.7	6
263	Selection and Application of DNA Aptamer Against Oncogene Amplified in Breast Cancer 1. <i>Journal of Molecular Evolution</i> , 2015, 81, 179-185.	0.8	5
264	Highly paralleled emulsion droplets for efficient isolation, amplification, and screening of cancer biomarker binding phages. <i>Lab on A Chip</i> , 2021, 21, 1175-1184.	3.1	5
265	Tracing Tumorâ€Derived Exosomal PDâ€L1 by Dualâ€Aptamer Activated Proximityâ€Induced Droplet Digital PCR. <i>Angewandte Chemie</i> , 2021, 133, 7660-7664.	1.6	5
266	Visualizing the Growth and Division of Rat Gut Bacteria by D-Amino Acid-Based in vivo Labeling and FISH Staining. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 681938.	1.6	5
267	<sc>d</sc>â€Amino Acidâ€Based Metabolic Labeling Enables a Fast Antibiotic Susceptibility Test of Both Isolated Bacteria and Bronchoalveolar Lavage Fluid. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101736.	3.9	5
268	Investigation of the hybrid molecular probe for intracellular studies. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 983-991.	1.9	4
269	Analytical chemistry for infectious disease detection and prevention. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4561-4562.	1.9	4
270	HCV poly U/UC sequenceâ€induced inflammation leads to metabolic disorders in vulvar lichen sclerosis. <i>Life Science Alliance</i> , 2021, 4, e202000906.	1.3	4

#	ARTICLE	IF	CITATIONS
271	Agarose Droplet Microfluidics for Highly Parallel and Efficient Single Molecule Emulsion PCR. <i>Methods in Molecular Biology</i> , 2013, 949, 413-422.	0.4	3
272	Innentitelbild: Bioinspired Engineering of a Multivalent Aptamer-Functionalized Nanointerface to Enhance the Capture and Release of Circulating Tumor Cells (<i>Angew. Chem.</i> 8/2019). <i>Angewandte Chemie</i> , 2019, 131, 2180-2180.	1.6	3
273	RNA can function as molecular chaperone for RNA folding. <i>Giant</i> , 2020, 1, 100008.	2.5	3
274	Molecular Aptamer Beacons. , 2013, , 175-194.		3
275	Polymerized cholesteric liquid crystal microdisks generated by centrifugal microfluidics towards tunable laser emissions [Invited]. <i>Chinese Optics Letters</i> , 2020, 18, 080006.	1.3	3
276	Selective, user-friendly, highly porous, efficient, and rapid (SUPER) filter for isolation and analysis of rare tumor cells. <i>Lab on A Chip</i> , 2022, 22, 367-376.	3.1	3
277	Quantification of Intracellular Proteins in Single Cells Based on Engineered Picoliter Droplets. <i>Langmuir</i> , 2022, 38, 7929-7937.	1.6	3
278	Effects of Molecular Crowding on G-Quadruplex-hemin Mediated Peroxidase Activity. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 247-253.	1.3	2
279	Dispen-Seq: a single-microparticle dispenser based strategy towards flexible cell barcoding for single-cell RNA sequencing. <i>Science China Chemistry</i> , 2021, 64, 650-659.	4.2	2
280	Functional Biomaterials for Diagnosis and Therapeutics of Infectious Diseases. <i>ACS Applied Bio Materials</i> , 2021, 4, 3727-3728.	2.3	2
281	Suppressing high-dimensional crystallographic defects for ultra-scaled DNA arrays. <i>Nature Communications</i> , 2022, 13, 2707.	5.8	2
282	The Clinical Application of Aptamers: Future Challenges and Prospects. , 2015, , 339-352.		1
283	Synthesis of Gold Nanoparticles and Functionalization With DNA for Bioanalytical Applications. , 2019, , 111-136.		1
284	Molecular science <i>vs</i>. molecular medicine. <i>National Science Review</i> , 2019, 6, 1102-1102.	4.6	1
285	Activation of Aptamers with Gain of Function by Smallâ€Moleculeâ€Clipping of Intramolecular Motifs. <i>Angewandte Chemie</i> , 2021, 133, 6086-6093.	1.6	1
286	Threeâ€Dimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. <i>Angewandte Chemie</i> , 2021, 133, 3092-3098.	1.6	1
287	Direct and Simultaneous Identification of Multiple Mitochondrial Reactive Oxygen Species in Living Cells Using a SERS Borrowing Strategy. <i>Angewandte Chemie</i> , 0, , .	1.6	1
288	Locked nucleic acid molecular beacons for intracellular mRNA monitoring. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
289	Inside Cover: Allosteric Molecular Beacons for Sensitive Detection of Nucleic Acids, Proteins, and Small Molecules in Complex Biological Samples (Chem. Eur. J. 33/2011). Chemistry - A European Journal, 2011, 17, 8998-8998.	1.7	0
290	Frontispiece: Translating Molecular Recognition into a Pressure Signal to enable Rapid, Sensitive, and Portable Biomedical Analysis. Angewandte Chemie - International Edition, 2015, 54, .	7.2	0
291	Cancer Diagnostics: Visual Quantitative Detection of Circulating Tumor Cells with Single-Cell Sensitivity Using a Portable Microfluidic Device (Small 14/2019). Small, 2019, 15, 1970075.	5.2	0
292	Nucleic Acids: Chemistry, Nanotechnology, and Bioapplications Forum in Honor of Professor Weihong Tan on His 60th Birthday. ACS Applied Bio Materials, 2020, 3, 2543-2544.	2.3	0
293	Innen-1/4-cktitelbild: Aptamer Blocking Strategy Inhibits SARS-CoV-2 Virus Infection (Angew. Chem.) Tj ETQq1 1.0.784314 rgBT /C	1.6	0
294	XMU-100 Anniversary Special Issue. Small Methods, 2021, 5, e2100164.	4.6	0
295	Inside Front Cover: Single-Cell Sequencing Methodologies: From Transcriptome to Multi-Dimensional Measurement (Small Methods 6/2021). Small Methods, 2021, 5, 2170024.	4.6	0
296	LINT-Web: A Web-Based Lipidomic Data Mining Tool Using Intra-Omic Integrative Correlation Strategy (Small Methods 9/2021). Small Methods, 2021, 5, 2170040.	4.6	0
297	Engineering Molecular Beacons for Advanced Applications. , 2013, , 107-122.		0