

Chaoyong Yang

List of Publications by Year in descending order

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Version: 2024-02-01

297
papers

20,786
citations

8181

76
h-index

12946

131
g-index

316
all docs

316
docs citations

316
times ranked

18891
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ Raman enhancement strategy for highly sensitive and quantitative lateral flow assay. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 507-513.	3.7	6
2	Antibody-engineered red blood cell interface for high-performance capture and release of circulating tumor cells. <i>Bioactive Materials</i> , 2022, 11, 32-40.	15.6	15
3	Recent Advances in Aptamer-Based Liquid Biopsy. <i>ACS Applied Bio Materials</i> , 2022, 5, 1954-1979.	4.6	12
4	Structure- and Interaction- Based Design of Anti-SARS-CoV-2 Aptamers. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	9
5	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, .	7.1	8
6	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.	6.0	3
7	Integrated microfluidic devices for in vitro diagnostics at point of care. <i>Aggregate</i> , 2022, 3, .	9.9	11
8	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, .	13.8	19
9	Single-Cell Digital Microfluidic Mass Spectrometry Platform for Efficient and Multiplex Genotyping of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2022, 94, 1108-1117.	6.5	25
10	^d-Amino Acid-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.	7.6	5
11	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.	6.0	14
12	A polypyrrole-mediated photothermal biosensor with a temperature and pressure dual readout for the detection of protein biomarkers. <i>Analyst, The</i> , 2022, 147, 2671-2677.	3.5	6
13	Well-Paired-Seq: A Size-Exclusion and Locally Quasi-Static Hydrodynamic Microwell Chip for Single-Cell RNA-Seq. <i>Small Methods</i> , 2022, 6, e2200341.	8.6	8
14	Spherical neutralizing aptamer suppresses SARS-CoV-2 Omicron escape. <i>Nano Today</i> , 2022, 44, 101499.	11.9	23
15	Suppressing high-dimensional crystallographic defects for ultra-scaled DNA arrays. <i>Nature Communications</i> , 2022, 13, 2707.	12.8	2
16	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.	8.2	12
17	Decoding Expression Dynamics of Protein and Transcriptome at the Single-Cell Level in Paired Picoliter Chambers. <i>Analytical Chemistry</i> , 2022, 94, 8164-8173.	6.5	11
18	Magnetofluid-Integrated Multicolor ImmunoChip for Visual Analysis of Neutralizing Antibodies to SARS-CoV-2 Variants. <i>Analytical Chemistry</i> , 2022, 94, 8458-8465.	6.5	8

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19	DNA-Programmed Orientation-Ordered Multivalent Microfluidic Interface for Liquid Biopsy. <i>Analytical Chemistry</i> , 2022, 94, 8766-8773.	6.5	11
20	Quantification of Intracellular Proteins in Single Cells Based on Engineered Picoliter Droplets. <i>Langmuir</i> , 2022, 38, 7929-7937.	3.5	3
21	Spatially Patterned Neutralizing Icosahedral DNA Nanocage for Efficient SARS-CoV-2 Blocking. <i>Journal of the American Chemical Society</i> , 2022, 144, 13146-13153.	13.7	32
22	Quantification of Promoted Discovery of Glycosylated Exosomal PD-L1 as a Potential Tumor Biomarker. <i>Small Methods</i> , 2022, 6, .	8.6	18
23	Three-Dimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3055-3061.	13.8	31
24	Aptamer Generated by Cell-SELEX for Specific Targeting of Human Glioma Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9306-9315.	8.0	30
25	Activation of Aptamers with Gain of Function by Small-Molecule Clipping of Intramolecular Motifs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6021-6028.	13.8	11
26	Activation of Aptamers with Gain of Function by Small-Molecule Clipping of Intramolecular Motifs. <i>Angewandte Chemie</i> , 2021, 133, 6086-6093.	2.0	1
27	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	8.2	88
28	Entropy subspace separation-based clustering for noise reduction (ENCORE) of scRNA-seq data. <i>Nucleic Acids Research</i> , 2021, 49, e18-e18.	14.5	10
29	Three-Dimensional Quantitative Imaging of Native Microbiota Distribution in the Gut. <i>Angewandte Chemie</i> , 2021, 133, 3092-3098.	2.0	1
30	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.	6.0	101
31	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.	6.0	5
32	Imaging the in vivo growth patterns of bacteria in human gut Microbiota. <i>Gut Microbes</i> , 2021, 13, 1960134.	9.8	11
33	Selection and applications of functional nucleic acids for infectious disease detection and prevention. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4563-4579.	3.7	16
34	Sensitive, Rapid, and Automated Detection of DNA Methylation Based on Digital Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8042-8048.	8.0	26
35	Tracing Tumor-Derived Exosomal PD-L1 by Dual-Aptamer Activated Proximity-Induced Droplet Digital PCR. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7582-7586.	13.8	117
36	Tracing Tumor-Derived Exosomal PD-L1 by Dual-Aptamer Activated Proximity-Induced Droplet Digital PCR. <i>Angewandte Chemie</i> , 2021, 133, 7660-7664.	2.0	5

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37	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.	8.2	2
38	Aptamer-Based Detection of Circulating Targets for Precision Medicine. <i>Chemical Reviews</i> , 2021, 121, 12035-12105.	47.7	294
39	Aptamer Blocking Strategy Inhibits SARS-CoV-2 Virus Infection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10266-10272.	13.8	144
40	InnenrÃ¼cktitelbild: Aptamer Blocking Strategy Inhibits SARS-CoV-2 Virus Infection (<i>Angew. Chem.</i>) Tj ETQq0 0,0 rgBT /Overlock 10	2.0	0
41	Stimulus-Responsive Microfluidic Interface Enables Efficient Enrichment and Cytogenetic Profiling of Circulating Myeloma Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14920-14927.	8.0	12
42	Aptamer Blocking Strategy Inhibits SARS-CoV-2 Virus Infection. <i>Angewandte Chemie</i> , 2021, 133, 10354-10360.	2.0	20
43	XMUâ€™100 Anniversary Special Issue. <i>Small Methods</i> , 2021, 5, e2100164.	8.6	0
44	Multichannel Paper Chip-Based Gas Pressure Bioassay for Simultaneous Detection of Multiple MicroRNAs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15008-15016.	8.0	23
45	Singleâ€™Cell Sequencing Methodologies: From Transcriptome to Multiâ€™Dimensional Measurement. <i>Small Methods</i> , 2021, 5, e2100111.	8.6	17
46	Imaging Commensal Microbiota and Pathogenic Bacteria in the Gut. <i>Accounts of Chemical Research</i> , 2021, 54, 2076-2087.	15.6	37
47	HUNTER-Chip: Bioinspired Hierarchically Aptamer Structure-Based Circulating Fetal Cell Isolation for Non-Invasive Prenatal Testing. <i>Analytical Chemistry</i> , 2021, 93, 7235-7241.	6.5	19
48	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.	3.5	5
49	Functional Biomaterials for Diagnosis and Therapeutics of Infectious Diseases. <i>ACS Applied Bio Materials</i> , 2021, 4, 3727-3728.	4.6	2
50	Biodistributions of <sc>l</sc>,<sc>d</sc>-Transpeptidases in Gut Microbiota Revealed by <i>In Vivo</i> Labeling with Peptidoglycan Analogs. <i>ACS Chemical Biology</i> , 2021, 16, 1164-1171.	3.4	10
51	Inside Front Cover: Singleâ€™Cell Sequencing Methodologies: From Transcriptome to Multiâ€™Dimensional Measurement (<i>Small Methods</i> 6/2021). <i>Small Methods</i> , 2021, 5, 2170024.	8.6	0
52	Analytical chemistry for infectious disease detection and prevention. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4561-4562.	3.7	4
53	HCV poly U/UC sequenceâ€™induced inflammation leads to metabolic disorders in vulvar lichen sclerosis. <i>Life Science Alliance</i> , 2021, 4, e202000906.	2.8	4
54	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.	8.0	20

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55	Coupling Aptamerâ€based Protein Tagging with Metabolic Glycan Labeling for In Situ Visualization and Biological Function Study of Exosomal Proteinâ€Specific Glycosylation. <i>Angewandte Chemie</i> , 2021, 133, 18259-18263.	2.0	9
56	Microfluidic devices with simplified signal readout. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129730.	7.8	16
57	Coupling Aptamerâ€based Protein Tagging with Metabolic Glycan Labeling for In Situ Visualization and Biological Function Study of Exosomal Proteinâ€Specific Glycosylation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18111-18115.	13.8	66
58	LINTâ€Web: A Webâ€Based Lipidomic Data Mining Tool Using Intraâ€Omic Integrative Correlation Strategy. <i>Small Methods</i> , 2021, 5, e2100206.	8.6	13
59	Mapping Gene Expression in the Spatial Dimension. <i>Small Methods</i> , 2021, 5, e2100722.	8.6	9
60	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.	11.2	12
61	LINTâ€Web: A Webâ€Based Lipidomic Data Mining Tool Using Intraâ€Omic Integrative Correlation Strategy (Small Methods 9/2021). <i>Small Methods</i> , 2021, 5, 2170040.	8.6	0
62	Auto-Panning: a highly integrated and automated biopanning platform for peptide screening. <i>Lab on A Chip</i> , 2021, 21, 2702-2710.	6.0	10
63	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.	3.5	12
64	Microfluidic single-cell transcriptomics: moving towards multimodal and spatiotemporal omics. <i>Lab on A Chip</i> , 2021, 21, 3829-3849.	6.0	17
65	Microfluidicâ€Based Exosome Analysis for Liquid Biopsy. <i>Small Methods</i> , 2021, 5, e2001131.	8.6	81
66	Digital Microfluidic Thermal Control Chip-Based Multichannel Immunosensor for Noninvasively Detecting Acute Myocardial Infarction. <i>Analytical Chemistry</i> , 2021, 93, 15033-15041.	6.5	23
67	<i>In Situ</i> Visualization of PD-L1-Specific Glycosylation on Tissue Sections. <i>Analytical Chemistry</i> , 2021, 93, 15958-15963.	6.5	18
68	Spherical Neutralizing Aptamer Inhibits SARS-CoV-2 Infection and Suppresses Mutational Escape. <i>Journal of the American Chemical Society</i> , 2021, 143, 21541-21548.	13.7	56
69	Interfacing droplet microfluidics with antibody barcodes for multiplexed single-cell protein secretion profiling. <i>Lab on A Chip</i> , 2021, 21, 4823-4830.	6.0	13
70	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.	4.8	17
71	Trends in miniaturized biosensors for point-of-care testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115701.	11.4	119
72	Microfluidic Singleâ€Cell Omics Analysis. <i>Small</i> , 2020, 16, e1903905.	10.0	80

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73	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.	13.8	159
74	A Sequential Multidimensional Analysis Algorithm for Aptamer Identification based on Structure Analysis and Machine Learning. <i>Analytical Chemistry</i> , 2020, 92, 3307-3314.	6.5	45
75	Metabolic Labeling of Peptidoglycan with NIR Dye Enables In Vivo Imaging of Gut Microbiota. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2628-2633.	13.8	71
76	Metabolic Labeling of Peptidoglycan with NIR Dye Enables In Vivo Imaging of Gut Microbiota. <i>Angewandte Chemie</i> , 2020, 132, 2650-2655.	2.0	9
77	3D-printed integrative probeheads for magnetic resonance. <i>Nature Communications</i> , 2020, 11, 5793.	12.8	18
78	Microfluidic-Integrated Multicolor Immunosensor for Visual Detection of HIV-1 p24 Antigen with the Naked Eye. <i>Analytical Chemistry</i> , 2020, 92, 11826-11833.	6.5	48
79	Distance-based paper/PMMA integrated ELISA-chip for quantitative detection of immunoglobulin G. <i>Lab on a Chip</i> , 2020, 20, 3625-3632.	6.0	22
80	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.	6.5	23
81	Revealing the in vivo growth and division patterns of mouse gut bacteria. <i>Science Advances</i> , 2020, 6, .	10.3	20
82	Crosstalk-free colloidosomes for high throughput single-molecule protein analysis. <i>Science China Chemistry</i> , 2020, 63, 1507-1514.	8.2	11
83	Digital-WGS: Automated, highly efficient whole-genome sequencing of single cells by digital microfluidics. <i>Science Advances</i> , 2020, 6, .	10.3	54
84	Nucleic Acids: Chemistry, Nanotechnology, and Bioapplications Forum in Honor of Professor Weihong Tan on His 60th Birthday. <i>ACS Applied Bio Materials</i> , 2020, 3, 2543-2544.	4.6	0
85	A Highly Sensitive, Accurate, and Automated Single-Cell RNA Sequencing Platform with Digital Microfluidics. <i>Analytical Chemistry</i> , 2020, 92, 8599-8606.	6.5	34
86	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.	13.8	74
87	DNA-directed nanofabrication of high-performance carbon nanotube field-effect transistors. <i>Science</i> , 2020, 368, 878-881.	12.6	99
88	RNA can function as molecular chaperone for RNA folding. <i>Giant</i> , 2020, 1, 100008.	5.1	3
89	Discovery of Aptamers Targeting the Receptor-Binding Domain of the SARS-CoV-2 Spike Glycoprotein. <i>Analytical Chemistry</i> , 2020, 92, 9895-9900.	6.5	296
90	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.	2.0	6

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91	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.	6.5	32
92	Effects of Molecular Crowding on G-Quadruplex-hemin Mediated Peroxidase Activity. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 247-253.	2.6	2
93	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.	6.0	29
94	Aptamer-Based Liquid Biopsy. <i>ACS Applied Bio Materials</i> , 2020, 3, 2743-2764.	4.6	38
95	Scaling Up DNA Self-Assembly. <i>ACS Applied Bio Materials</i> , 2020, 3, 2805-2815.	4.6	18
96	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.	1.9	7
97	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.	13.7	114
98	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.	2.0	36
99	Highly parallel and efficient single cell mRNA sequencing with paired picoliter chambers. <i>Nature Communications</i> , 2020, 11, 2118.	12.8	50
100	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.	2.0	19
101	Quantification of Bacterial Metabolic Activities in the Gut by ^{15}N -Amino Acid-Based In Vivo Labeling. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11923-11926.	13.8	34
102	Highly Sensitive Minimal Residual Disease Detection by Biomimetic Multivalent Aptamer Nanoclimber Functionalized Microfluidic Chip. <i>Small</i> , 2020, 16, e2000949.	10.0	24
103	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.	6.5	13
104	Polymerized cholesteric liquid crystal microdisks generated by centrifugal microfluidics towards tunable laser emissions [Invited]. <i>Chinese Optics Letters</i> , 2020, 18, 080006.	2.9	3
105	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.	6.0	18
106	Molecular Crowding Evolution for Enabling Discovery of Enthalpy-Driven Aptamers for Robust Biomedical Applications. <i>Analytical Chemistry</i> , 2019, 91, 10879-10886.	6.5	34
107	Control of CRISPR-Cas9 with small molecule-activated allosteric aptamer regulating sgRNAs. <i>Chemical Communications</i> , 2019, 55, 12223-12226.	4.1	23
108	Bacterial Extracellular Electron Transfer Occurs in Mammalian Gut. <i>Analytical Chemistry</i> , 2019, 91, 12138-12141.	6.5	32

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109	pH-Triggered Silk Fibroin/Alginate Structures Fabricated in Aqueous Two-Phase System. ACS Biomaterials Science and Engineering, 2019, 5, 5897-5905.	5.2	6
110	Centrifugal-Driven Droplet Generation Method with Minimal Waste for Single-Cell Whole Genome Amplification. Analytical Chemistry, 2019, 91, 13611-13619.	6.5	27
111	Evolution of Nucleic Acid Aptamers Capable of Specifically Targeting Glioma Stem Cells via Cell-SELEX. Analytical Chemistry, 2019, 91, 8070-8077.	6.5	25
112	Catalase-linked immunosorbent pressure assay for portable quantitative analysis. Analyst, The, 2019, 144, 4188-4193.	3.5	10
113	Aptamer-based microfluidics for isolation, release and analysis of circulating tumor cells. TrAC - Trends in Analytical Chemistry, 2019, 117, 69-77.	11.4	61
114	Assessing the viability of transplanted gut microbiota by sequential tagging with D-amino acid-based metabolic probes. Nature Communications, 2019, 10, 1317.	12.8	68
115	Exosomal PD-L1: an effective liquid biopsy target to predict immunotherapy response. National Science Review, 2019, 6, 1103-1104.	9.5	13
116	Visual Quantitative Detection of Circulating Tumor Cells with Single-Cell Sensitivity Using a Portable Microfluidic Device. Small, 2019, 15, 1804890.	10.0	42
117	Stable Colloidosomes Formed by Self-Assembly of Colloidal Surfactant for Highly Robust Digital PCR. Analytical Chemistry, 2019, 91, 6003-6011.	6.5	28
118	Control of capillary behavior through target-responsive hydrogel permeability alteration for sensitive visual quantitative detection. Nature Communications, 2019, 10, 1036.	12.8	65
119	Synthesis of Gold Nanoparticles and Functionalization With DNA for Bioanalytical Applications. , 2019, , 111-136.		1
120	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.	10.0	0
121	Innentitelbild: Bioinspired Engineering of a Multivalent Aptamer-Functionalized Nanointerface to Enhance the Capture and Release of Circulating Tumor Cells (Angew. Chem. 8/2019). Angewandte Chemie, 2019, 131, 2180-2180.	2.0	3
122	SuperCT: a supervised-learning framework for enhanced characterization of single-cell transcriptomic profiles. Nucleic Acids Research, 2019, 47, e48-e48.	14.5	52
123	Single cell transcriptomics: moving towards multi-omics. Analyst, The, 2019, 144, 3172-3189.	3.5	34
124	Beyond Capture: Circulating Tumor Cell Release and Single-Cell Analysis. Small Methods, 2019, 3, 1800544.	8.6	41
125	Molecular science <i>vs</i>. molecular medicine. National Science Review, 2019, 6, 1102-1102.	9.5	1
126	Staining Traditional Colloidal Gold Test Strips with Pt Nanoshell Enables Quantitative Point-of-Care Testing with Simple and Portable Pressure Meter Readout. ACS Applied Materials & Interfaces, 2019, 11, 1800-1806.	8.0	38

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127	Recent Progress in Microfluidics-Based Biosensing. <i>Analytical Chemistry</i> , 2019, 91, 388-404.	6.5	89
128	A tridecaptin-based fluorescent probe for differential staining of Gram-negative bacteria. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4017-4023.	3.7	27
129	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.	13.8	175
130	Rapid, real-time chemiluminescent detection of DNA mutation based on digital microfluidics and pyrosequencing. <i>Biosensors and Bioelectronics</i> , 2019, 126, 551-557.	10.1	34
131	Gas-generating reactions for point-of-care testing. <i>Analyst, The</i> , 2018, 143, 1294-1304.	3.5	36
132	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.	7.8	42
133	DNA aptamers from whole-cell SELEX as new diagnostic agents against glioblastoma multiforme cells. <i>Analyst, The</i> , 2018, 143, 2267-2275.	3.5	20
134	Ultrasensitive and Facile Detection of MicroRNA via a Portable Pressure Meter. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12526-12533.	8.0	57
135	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.	6.0	50
136	Target-responsive DNA hydrogel for non-enzymatic and visual detection of glucose. <i>Analyst, The</i> , 2018, 143, 1679-1684.	3.5	58
137	Microwell Array Method for Rapid Generation of Uniform Agarose Droplets and Beads for Single Molecule Analysis. <i>Analytical Chemistry</i> , 2018, 90, 2570-2577.	6.5	34
138	In Situ Pt Staining Method for Simple, Stable, and Sensitive Pressure-Based Bioassays. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13390-13396.	8.0	27
139	Highly Sensitive and Automated Surface Enhanced Raman Scattering-based Immunoassay for H5N1 Detection with Digital Microfluidics. <i>Analytical Chemistry</i> , 2018, 90, 5224-5231.	6.5	107
140	Selection and identification of transferrin receptor-specific peptides as recognition probes for cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1071-1077.	3.7	19
141	Bioinspired Engineering of Multivalent Aptamer-Functionalized Nanointerface to Enhance Capture and Release of Circulating Tumor Cells. <i>Angewandte Chemie</i> , 2018, 131, 2258.	2.0	141
142	An Allosteric-Probe for Detection of Alkaline Phosphatase Activity and Its Application in Immunoassay. <i>Frontiers in Chemistry</i> , 2018, 6, 618.	3.6	11
143	Portable detection of serum HER-2 in breast cancer by a pressure-based platform. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7489-7498.	3.7	6
144	Ultrasensitive and portable assay of mercury (II) ions via gas pressure as readout. <i>Biosensors and Bioelectronics</i> , 2018, 122, 32-36.	10.1	22

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145	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.	13.7	108
146	Integrated paper-based microfluidic devices for point-of-care testing. <i>Analytical Methods</i> , 2018, 10, 3567-3581.	2.7	65
147	Design and synthesis of <i>ortho</i> -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.	4.1	20
148	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.	6.0	32
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