

Chun-Yang Zhang

List of Publications by Year in descending order

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215
papers

9,537
citations

34016

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49773

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222
all docs

222
docs citations

222
times ranked

7890
citing authors

#	ARTICLE	IF	CITATIONS
1	A Label-Free Electrochemical Biosensor for Sensitive Detection of 5-Hydroxymethylcytosine. Springer Protocols, 2022, , 45-52.	0.1	0
2	Development of a single quantum dot-mediated FRET biosensor for amplification-free detection of ten-eleven translocation 2. Talanta, 2022, 239, 123135.	2.9	4
3	Development of a CRISPR-Cas-Based Biosensor for Rapid and Sensitive Detection of 8-Oxoguanine DNA Glycosylase. Analytical Chemistry, 2022, 94, 2119-2125.	3.2	25
4	Mismatched fluorescent probes with an enhanced strand displacement reaction rate for intracellular long noncoding RNA imaging. Chemical Communications, 2022, 58, 1760-1763.	2.2	7
5	(Plasmonic gold core)@(ultrathin ruthenium shell) nanostructures as antenna-reactor photocatalysts toward nitrogen photofixation. Chemical Communications, 2022, 58, 1013-1016.	2.2	8
6	Label-free and sensitive detection of RNA demethylase FTO with primer generation rolling circle amplification. Chemical Communications, 2022, 58, 1565-1568.	2.2	12
7	Construction of a Structure-Switchable Toehold Dumbbell Probe for Sensitive and Label-Free Measurement of MicroRNA in Cancer Cells and Tissues. Analytical Chemistry, 2022, 94, 1882-1889.	3.2	22
8	Label-free detection of LncRNA in cancer cells with human telomere G-quadruplex DNA-thioflavin T binding-induced fluorescence. Sensors and Actuators B: Chemical, 2022, 358, 131521.	4.0	9
9	Construction of a dual-functional dumbbell probe-based fluorescent biosensor for cascade amplification detection of miRNAs in lung cancer cells and tissues. Chemical Communications, 2022, 58, 5538-5541.	2.2	23
10	Construction of a dephosphorylation-mediated chemiluminescent biosensor for multiplexed detection of DNA glycosylases in cancer cells. Journal of Materials Chemistry B, 2022, 10, 3277-3284.	2.9	2
11	Development of a phos-tag-based fluorescent biosensor for sensitive detection of protein kinase in cancer cells. Journal of Materials Chemistry B, 2022, 10, 3260-3267.	2.9	3
12	Construction of an APE1-Mediated Cascade Signal Amplification Platform for Homogeneously Sensitive and Rapid Measurement of DNA Methyltransferase in <i>Escherichia coli</i> Cells. Analytical Chemistry, 2022, 94, 5980-5986.	3.2	16
13	Single-Molecule Biosensing of Alkaline Phosphatase in Cells and Serum Based on Dephosphorylation-Triggered Catalytic Assembly and Disassembly of the Fluorescent DNA Chain. Analytical Chemistry, 2022, 94, 6004-6010.	3.2	15
14	Enzymatic DNA repair cascade-driven fluorophore encoding for sensitively sensing telomerase activity in cancer cells. Sensors and Actuators B: Chemical, 2022, 359, 131603.	4.0	5
15	Bsu polymerase-mediated fluorescence coding for rapid and sensitive detection of 8-oxo-7,8-dihydroguanine in telomeres of cancer cells. Talanta, 2022, 243, 123340.	2.9	1
16	Label-free and homogeneous detection of flap endonuclease 1 by ligation-promoted hyperbranched rolling circle amplification platform. Talanta, 2022, 243, 123342.	2.9	9
17	Construction of a target-triggered DNAzyme motor for electrochemical detection of multiple DNA glycosylases. Sensors and Actuators B: Chemical, 2022, 361, 131726.	4.0	10
18	Cooperative In Situ Assembly of G-Quadruplex DNAzyme Nanowires for One-Step Sensing of CpG Methylation in Human Genomes. Nano Letters, 2022, 22, 347-354.	4.5	17

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19	Catalytic single-molecule Förster resonance energy transfer biosensor for uracil-DNA glycosylase detection and cellular imaging. <i>Biosensors and Bioelectronics</i> , 2022, 213, 114447.	5.3	15
20	Flower-like Ag ₂ WO ₄ /CeO ₂ heterojunctions with oxygen vacancies and expedited charge carrier separation boost the photocatalytic degradation of dyes and drugs. <i>Dalton Transactions</i> , 2022, 51, 10179-10185.	1.6	3
21	Target-Initiated Cascade Signal Amplification Lights up a G-Quadruplex for a Label-Free Detection of Circular Ribonucleic Acids. <i>Analytical Chemistry</i> , 2022, 94, 9193-9200.	3.2	13
22	Hydroxymethylation-Specific Ligation-Mediated Single Quantum Dot-Based Nanosensors for Sensitive Detection of 5-Hydroxymethylcytosine in Cancer Cells. <i>Analytical Chemistry</i> , 2022, 94, 9785-9792.	3.2	7
23	Advances in quantum dot-based biosensors for DNA-modifying enzymes assay. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214674.	9.5	35
24	Construction of a gold nanoparticle-based single-molecule biosensor for simple and sensitive detection of Argonaute 2 activity. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5594-5601.	2.9	6
25	A simple and rapid mix-and-read assay for sensitive detection of O ⁶ -methylguanine DNA methyltransferase. <i>Chemical Communications</i> , 2022, 58, 8662-8665.	2.2	8
26	Metabolomic profiling of fatty acid biomarkers for intracerebral hemorrhage stroke. <i>Talanta</i> , 2021, 222, 121679.	2.9	14
27	Recent advances in biosensors for in vitro detection and in vivo imaging of DNA methylation. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112712.	5.3	56
28	Synthesis of ultrathin porous C ₃ N ₄ -modified Co ₃ O ₄ nanosheets for enhanced oxygen evolution reaction. <i>Electrochimica Acta</i> , 2021, 367, 137537.	2.6	13
29	Aptamer-mediated rolling circle amplification for label-free and sensitive detection of histone acetyltransferase activity. <i>Chemical Communications</i> , 2021, 57, 2041-2044.	2.2	18
30	Label-Free and Template-Free Chemiluminescent Biosensor for Sensitive Detection of 5-Hydroxymethylcytosine in Genomic DNA. <i>Analytical Chemistry</i> , 2021, 93, 1939-1943.	3.2	20
31	A single quantum dot-based fluorescence resonance energy transfer biosensor for antibody-free detection of ten-eleven translocation 1. <i>Chemical Communications</i> , 2021, 57, 3543-3546.	2.2	7
32	A Host-Guest Interaction-Based and Metal-Organic Gel-Based Biosensor with Aggregation-Induced Electrochemiluminescence Enhancement for Methyltransferase Assay. <i>Analytical Chemistry</i> , 2021, 93, 2974-2981.	3.2	35
33	A controlled T7 transcription-driven symmetric amplification cascade machinery for single-molecule detection of multiple repair glycosylases. <i>Chemical Science</i> , 2021, 12, 5544-5554.	3.7	32
34	Zirconium ion-mediated assembly of a single quantum dot-based nanosensor for kinase assay. <i>Chemical Communications</i> , 2021, 57, 6376-6379.	2.2	7
35	A copper-free and enzyme-free click chemistry-mediated single quantum dot nanosensor for accurate detection of microRNAs in cancer cells and tissues. <i>Chemical Science</i> , 2021, 12, 10426-10435.	3.7	27
36	Advances in Detection of Epigenetic Modification—5-Hydroxymethylcytosine. <i>Acta Chimica Sinica</i> , 2021, 79, 614.	0.5	2

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37	Controllable synthesis of CoFe ₂ Se ₄ /NiCo ₂ Se ₄ hybrid nanotubes with heterointerfaces and improved oxygen evolution reaction performance. <i>Nanoscale</i> , 2021, 13, 6241-6247.	2.8	9
38	A trifunctional split dumbbell probe coupled with ligation-triggered isothermal rolling circle amplification for label-free and sensitive detection of nicotinamide adenine dinucleotide. <i>Talanta</i> , 2021, 224, 121962.	2.9	9
39	Deacetylation-activated construction of single quantum dot-based nanosensor for sirtuin 1 assay. <i>Talanta</i> , 2021, 224, 121918.	2.9	5
40	Advances in single-molecule fluorescent nanosensors. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1716.	3.3	19
41	Simple Mix-and-Read Assay with Multiple Cyclic Enzymatic Repairing Amplification for Rapid and Sensitive Detection of DNA Glycosylase. <i>Analytical Chemistry</i> , 2021, 93, 6913-6918.	3.2	24
42	Symmetry-Broken Au ¹³⁺ Cu Heterostructures and their Tandem Catalysis Process in Electrochemical CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2021, 31, 2101255.	7.8	64
43	Simultaneous Enzyme-Free Detection of Multiple Long Noncoding RNAs in Cancer Cells at Single-Molecule/Particle Level. <i>Nano Letters</i> , 2021, 21, 4193-4201.	4.5	27
44	Bipolar Aggregation-Induced Electrochemiluminescence of Thiophene-Fused Conjugated Microporous Polymers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28782-28789.	4.0	23
45	Construction of a Dye-Sensitized and Gold Plasmon-Enhanced Cathodic Photoelectrochemical Biosensor for Methyltransferase Activity Assay. <i>Analytical Chemistry</i> , 2021, 93, 10310-10316.	3.2	26
46	Discovery of a New CDK4/6 and PI3K/AKT Multiple Kinase Inhibitor Aminoquinol for the Treatment of Hepatocellular Carcinoma. <i>Frontiers in Pharmacology</i> , 2021, 12, 691769.	1.6	5
47	3 rd -Terminal Repair-Powered Dendritic Nanoassembly of Polyadenine Molecular Beacons for One-Step Quantification of Alkaline Phosphatase in Human Serum. <i>Analytical Chemistry</i> , 2021, 93, 10704-10711.	3.2	20
48	Metal-Free B, N co-Doped Hierarchical Porous Carbon Electrocatalyst with an Excellent O ₂ Reduction Performance. <i>ChemistryOpen</i> , 2021, 10, 713-719.	0.9	6
49	Combination of bidirectional strand displacement amplification with single-molecule detection for multiplexed DNA glycosylases assay. <i>Talanta</i> , 2021, 235, 122805.	2.9	15
50	Construction of a damage site-specific fluorescent biosensor for single-molecule detection of DNA damage. <i>Talanta</i> , 2021, 235, 122809.	2.9	6
51	Integration of single-molecule detection with endonuclease IV-assisted signal amplification for sensitive DNA methylation assay. <i>Chemical Communications</i> , 2021, 57, 2073-2076.	2.2	15
52	Multicolor fluorescence encoding of different microRNAs in lung cancer tissues at the single-molecule level. <i>Chemical Science</i> , 2021, 12, 12407-12418.	3.7	24
53	Nucleic acid amplification-integrated single-molecule fluorescence imaging for <i>in vitro</i> and <i>in vivo</i> biosensing. <i>Chemical Communications</i> , 2021, 57, 13415-13428.	2.2	18
54	Simultaneous single-molecule detection of the acetyltransferase and crotonyltransferase activities of histone acetylation writer p300. <i>Chemical Communications</i> , 2021, 57, 11709-11712.	2.2	2

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55	Development of a Single Quantum Dot-Mediated FRET Nanosensor for Sensitive Detection of Single-Nucleotide Polymorphism in Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 14568-14576.	3.2	29
56	Janus silver/ternary silver halide nanostructures as plasmonic photocatalysts boost the conversion of CO ₂ to acetaldehyde. <i>Nanoscale</i> , 2021, 13, 20289-20298.	2.8	5
57	Self-Assembly of Superquenched Gold Nanoparticle Nanosensors for Lighting up BACE-1 in Live Cells. <i>Analytical Chemistry</i> , 2021, 93, 15124-15132.	3.2	15
58	Integration of exonuclease III-powered three-dimensional DNA walker with single-molecule detection for multiple initiator caspases assay. <i>Chemical Science</i> , 2021, 12, 15645-15654.	3.7	16
59	Integration of a peptide-DNA conjugate with multiple cyclic signal amplification for the ultrasensitive detection of cathepsin B activity. <i>Chemical Communications</i> , 2020, 56, 2119-2122.	2.2	4
60	Peptide-templated gold nanoparticle nanosensor for simultaneous detection of multiple posttranslational modification enzymes. <i>Chemical Communications</i> , 2020, 56, 213-216.	2.2	23
61	Low-background electrochemical biosensor for one-step detection of base excision repair enzyme. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111865.	5.3	12
62	Single-molecule fluorescence resonance energy transfer and its biomedical applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115753.	5.8	21
63	Construction of a self-directed replication system for label-free and real-time sensing of repair glycosylases with zero background. <i>Chemical Science</i> , 2020, 11, 587-595.	3.7	21
64	Identification of Specific N ⁶ -Methyladenosine RNA Demethylase FTO Inhibitors by Single-Quantum-Dot-Based FRET Nanosensors. <i>Analytical Chemistry</i> , 2020, 92, 13936-13944.	3.2	39
65	In-situ synthesis of covalent organic polymer thin film integrates with palladium nanoparticles for the construction of a cathodic photoelectrochemical cytosensor. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112545.	5.3	28
66	A dumbbell probe-based dual signal amplification strategy for sensitive detection of multiple DNA methyltransferases. <i>Chemical Communications</i> , 2020, 56, 13627-13630.	2.2	8
67	A multifunctional DNA nanostructure based on multicolor FRET for nuclease activity assay. <i>Analyst</i> , 2020, 145, 6054-6060.	1.7	7
68	Development of Oxidation Damage Base-Based Fluorescent Probe for Direct Detection of DNA Methylation. <i>Analytical Chemistry</i> , 2020, 92, 10223-10227.	3.2	22
69	5-Hydroxymethylcytosine Glucosylation-Triggered Helicase-Dependent Amplification-Based Fluorescent Biosensor for Sensitive Detection of Î ² -Glucosyltransferase with Zero Background Signal. <i>Analytical Chemistry</i> , 2020, 92, 16307-16313.	3.2	15
70	Catalytic hairpin assembly-based electrochemical biosensor with tandem signal amplification for sensitive microRNA assay. <i>Chemical Communications</i> , 2020, 56, 10191-10194.	2.2	25
71	Construction of a sensitive protease sensor with DNA-peptide conjugates for single-molecule detection of multiple matrix metalloproteinases. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112647.	5.3	18
72	Cytosine-5 methylation-directed construction of a Au nanoparticle-based nanosensor for simultaneous detection of multiple DNA methyltransferases at the single-molecule level. <i>Chemical Science</i> , 2020, 11, 9675-9684.	3.7	25

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73	Dephosphorylation-directed tricyclic DNA amplification cascades for sensitive detection of protein tyrosine phosphatase. <i>Chemical Communications</i> , 2020, 56, 11581-11584.	2.2	10
74	Transition-Metal-Complex-Directed Synthesis of Hybrid Iodoargentates with Single-Crystal to Single-Crystal Structural Transformation and Photocatalytic Properties. <i>Inorganic Chemistry</i> , 2020, 59, 13962-13971.	1.9	16
75	Construction of a Universal and Label-Free Chemiluminescent Sensor for Accurate Quantification of Both Bacteria and Human Methyltransferases. <i>Analytical Chemistry</i> , 2020, 92, 13573-13580.	3.2	27
76	Rolling circle amplification-driven encoding of different fluorescent molecules for simultaneous detection of multiple DNA repair enzymes at the single-molecule level. <i>Chemical Science</i> , 2020, 11, 5724-5734.	3.7	41
77	Construction of a Quencher-Free Cascade Amplification System for Highly Specific and Sensitive Detection of Serum Circulating miRNAs. <i>Analytical Chemistry</i> , 2020, 92, 8546-8552.	3.2	24
78	Integration of ultra-high-pressure liquid chromatography-tandem mass spectrometry with machine learning for identifying fatty acid metabolite biomarkers of ischemic stroke. <i>Chemical Communications</i> , 2020, 56, 6656-6659.	2.2	7
79	Integration of nanomaterials with nucleic acid amplification approaches for biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115959.	5.8	30
80	Integration of Enzymatic Labeling with Single-Molecule Detection for Sensitive Quantification of Diverse DNA Damages. <i>Analytical Chemistry</i> , 2020, 92, 4700-4706.	3.2	16
81	SiRNA-directed self-assembled quantum dot biosensor for simultaneous detection of multiple microRNAs at the single-particle level. <i>Biosensors and Bioelectronics</i> , 2020, 157, 112177.	5.3	23
82	Label-free and amplified detection of apoptosis-associated caspase activity using branched rolling circle amplification. <i>Chemical Communications</i> , 2020, 56, 5243-5246.	2.2	12
83	Development of a bidirectional isothermal amplification strategy for the sensitive detection of transcription factors in cancer cells. <i>Chemical Communications</i> , 2020, 56, 8952-8955.	2.2	7
84	Host-guest recognition coupled with triple signal amplification endows an electrochemiluminescent biosensor with enhanced sensitivity. <i>Chemical Communications</i> , 2020, 56, 2971-2974.	2.2	11
85	Construction of a single quantum dot nanosensor with the capability of sensing methylcytosine sites for sensitive quantification of methyltransferase. <i>Nanoscale</i> , 2020, 12, 4519-4526.	2.8	10
86	Tetraphenylthene-Based Conjugated Microporous Polymer for Aggregation-Induced Electrochemiluminescence. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7966-7973.	4.0	70
87	Fano-like chiroptical response in plasmonic heterodimer nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3604-3610.	1.3	7
88	Nanomaterial-based biosensors for DNA methyltransferase assay. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3488-3501.	2.9	21
89	A single quantum dot-based nanosensor with multilayer of multiple acceptors for ultrasensitive detection of human alkyladenine DNA glycosylase. <i>Chemical Science</i> , 2019, 10, 8675-8684.	3.7	41
90	Controllable Autocatalytic Cleavage-Mediated Fluorescence Recovery for Homogeneous Sensing of Alkyladenine DNA Glycosylase from Human Cancer Cells. <i>Theranostics</i> , 2019, 9, 4450-4460.	4.6	13

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91	Analysis of the Isolated and the Clustered DNA Damages by Single-Molecule Counting. <i>Analytical Chemistry</i> , 2019, 91, 10381-10385.	3.2	10
92	Ligase amplification reaction-catalyzed assembly of a single quantum dot-based nanosensor for sensitive detection of alkaline phosphatase. <i>Chemical Communications</i> , 2019, 55, 8963-8966.	2.2	33
93	Structurally Defined Ru(II) Metallointercalators for Real-Time Monitoring of DNA Amplification Reactions. <i>Analytical Chemistry</i> , 2019, 91, 8777-8782.	3.2	6
94	Catalytic Self-Assembly of Quantum-Dot-Based MicroRNA Nanosensor Directed by Toehold-Mediated Strand Displacement Cascade. <i>Nano Letters</i> , 2019, 19, 6370-6376.	4.5	118
95	Mechanistic insight into photocrosslinking reaction between triplet state 4-thiopyrimidine and thymine. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21305-21316.	1.3	3
96	Biosensors for epigenetic biomarkers detection: A review. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111695.	5.3	28
97	Development of a cascade isothermal amplification approach for the sensitive detection of DNA methyltransferase. <i>Journal of Materials Chemistry B</i> , 2019, 7, 157-162.	2.9	12
98	Single-color multiplexing by the integration of high-resolution melting pattern recognition with loop-mediated isothermal amplification. <i>Chemical Communications</i> , 2019, 55, 2457-2460.	2.2	18
99	Substrate-free and label-free electrocatalysis-assisted biosensor for sensitive detection of microRNA in lung cancer cells. <i>Chemical Communications</i> , 2019, 55, 1172-1175.	2.2	24
100	Single-molecule counting of oxidative DNA damage in telomeres from cancer cells. <i>Chemical Communications</i> , 2019, 55, 7627-7630.	2.2	7
101	Iron and Iodine Co-doped Triazine-Based Frameworks with Efficient Oxygen Reduction Reaction in Alkaline and Acidic Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11787-11794.	3.2	12
102	Construction of Tetrahedral DNA-Quantum Dot Nanostructure with the Integration of Multistep Förster Resonance Energy Transfer for Multiplex Enzymes Assay. <i>ACS Nano</i> , 2019, 13, 7191-7201.	7.3	68
103	Construction of a Robust Entropy-Driven DNA Nanomachine for Single-Molecule Detection of Rare Cancer Cells. <i>Analytical Chemistry</i> , 2019, 91, 7505-7509.	3.2	65
104	Ultrasensitive detection of long non-coding RNAs based on duplex-specific nuclease-actuated cyclic enzymatic repairing-mediated signal amplification. <i>Chemical Communications</i> , 2019, 55, 6827-6830.	2.2	17
105	Site-Selective Growth of Crystalline Ceria with Oxygen Vacancies on Gold Nanocrystals for Near-Infrared Nitrogen Photofixation. <i>Journal of the American Chemical Society</i> , 2019, 141, 5083-5086.	6.6	222
106	High-performance hierarchical ultrathin sheet-based CoOOH hollow nanospheres with rich oxygen vacancies for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7777-7783.	5.2	77
107	Facile synthesis of porous carbon/Ni ₁₂ P ₅ composites for electrocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 2019, 43, 4160-4167.	1.4	13
108	Label-Free and Immobilization-Free Electrochemical Magnetobiosensor for Sensitive Detection of 5-Hydroxymethylcytosine in Genomic DNA. <i>Analytical Chemistry</i> , 2019, 91, 1232-1236.	3.2	37

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109	Recent advances in histone modification and histone modifying enzyme assays. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 27-36.	1.5	15
110	Ultrasensitive detection of telomerase activity in lung cancer cells with quencher-free molecular beacon-assisted quadratic signal amplification. <i>Analytica Chimica Acta</i> , 2019, 1053, 122-130.	2.6	14
111	Integration of single-molecule detection with magnetic separation for multiplexed detection of DNA glycosylases. <i>Chemical Communications</i> , 2018, 54, 5839-5842.	2.2	21
112	Advances in the integration of quantum dots with various nanomaterials for biomedical and environmental applications. <i>Analyst, The</i> , 2018, 143, 2469-2478.	1.7	37
113	Integration of isothermal amplification with quantum dot-based fluorescence resonance energy transfer for simultaneous detection of multiple microRNAs. <i>Chemical Science</i> , 2018, 9, 4258-4267.	3.7	105
114	Sensitive detection of alkaline phosphatase by dephosphorylation-initiated transcription reaction-mediated dual signal amplification. <i>Chemical Communications</i> , 2018, 54, 2413-2416.	2.2	58
115	A simple "mix-and-detect" method for the sensitive detection of telomerase from cancer cells under absolutely isothermal conditions. <i>Chemical Communications</i> , 2018, 54, 2483-2486.	2.2	41
116	Label-free and ultrasensitive detection of polynucleotide kinase activity at the single-cell level. <i>Chemical Communications</i> , 2018, 54, 1583-1586.	2.2	26
117	An ultrasensitive electrochemical biosensor for polynucleotide kinase assay based on gold nanoparticle-mediated lambda exonuclease cleavage-induced signal amplification. <i>Biosensors and Bioelectronics</i> , 2018, 99, 1-7.	5.3	66
118	Single quantum dot-based nanosensor for sensitive detection of 5-methylcytosine at both CpG and non-CpG sites. <i>Chemical Science</i> , 2018, 9, 1330-1338.	3.7	68
119	Simultaneous sensitive detection of multiple DNA glycosylases from lung cancer cells at the single-molecule level. <i>Chemical Science</i> , 2018, 9, 712-720.	3.7	64
120	A reusable ratiometric electrochemical biosensor on the basis of the binding of methylene blue to DNA with alternating AT base sequence for sensitive detection of adenosine. <i>Biosensors and Bioelectronics</i> , 2018, 102, 87-93.	5.3	60
121	A simple and isothermal ligase-based amplification approach based on a ligation-activated cleavage reaction. <i>Chemical Communications</i> , 2018, 54, 12638-12641.	2.2	8
122	A dual signal amplification-assisted DNAzyme biosensor for ultrasensitive detection of Argonaute 2 activity. <i>Chemical Communications</i> , 2018, 54, 13678-13681.	2.2	11
123	Development of an <i>in Vitro</i> Autocatalytic Self-Replication System for Biosensing Application. <i>ACS Sensors</i> , 2018, 3, 2675-2683.	4.0	10
124	Exonuclease III-assisted multiple cycle amplification for the sensitive detection of DNA with zero background signal. <i>Analyst, The</i> , 2018, 143, 5461-5466.	1.7	10
125	Visualization and Quantification of Sortase Activity at the Single-Molecule Level via Transpeptidation-Directed Intramolecular Förster Resonance Energy Transfer. <i>Analytical Chemistry</i> , 2018, 90, 13007-13012.	3.2	12
126	A universal DNAzyme-based bioluminescent sensor for label-free detection of biomolecules. <i>Analytica Chimica Acta</i> , 2018, 1043, 81-88.	2.6	6

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127	Primer dephosphorylation-initiated circular exponential amplification for ultrasensitive detection of alkaline phosphatase. <i>Analyst</i> , 2018, 143, 4606-4613.	1.7	17
128	An electrochemical biosensor based on the enhanced quasi-reversible redox signal of prussian blue generated by self-sacrificial label of iron metal-organic framework. <i>Biosensors and Bioelectronics</i> , 2018, 122, 168-174.	5.3	78
129	Quantum dot-based electrochemical biosensor for stripping voltammetric detection of telomerase at the single-cell level. <i>Biosensors and Bioelectronics</i> , 2018, 122, 51-57.	5.3	56
130	Mimic Peroxidase- and Bi ₂ S ₃ Nanorod-Based Photoelectrochemical Biosensor for Signal-On Detection of Polynucleotide Kinase. <i>Analytical Chemistry</i> , 2018, 90, 11478-11485.	3.2	72
131	Label-free and high-throughput bioluminescence detection of uracil-DNA glycosylase in cancer cells through tricyclic cascade signal amplification. <i>Chemical Communications</i> , 2018, 54, 6991-6994.	2.2	18
132	Transpeptidation-directed intramolecular bipartite tetracysteine display for sortase activity assay. <i>Chemical Communications</i> , 2018, 54, 8116-8119.	2.2	6
133	A triple-amplification strategy for sensitive detection of telomerase at the single-cell level. <i>Chemical Communications</i> , 2018, 54, 9317-9320.	2.2	22
134	Sensitive and label-free discrimination of 5-hydroxymethylcytosine and 5-methylcytosine in DNA by ligation-mediated rolling circle amplification. <i>Chemical Communications</i> , 2018, 54, 8602-8605.	2.2	24
135	Controllable fabrication of bio-bar codes for dendritically amplified sensing of human T-lymphotropic viruses. <i>Chemical Science</i> , 2018, 9, 4942-4949.	3.7	32
136	Target-initiated synthesis of fluorescent copper nanoparticles for the sensitive and label-free detection of bleomycin. <i>Nanoscale</i> , 2018, 10, 11134-11142.	2.8	17
137	Development of quantum dot-based biosensors: principles and applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6173-6190.	2.9	119
138	Single-ribonucleotide repair-mediated ligation-dependent cycling signal amplification for sensitive and specific detection of DNA methyltransferase. <i>Chemical Science</i> , 2018, 9, 6053-6061.	3.7	49
139	Development of fluorescent methods for DNA methyltransferase assay. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 012002.	1.1	15
140	Sensitive Quantification of MicroRNAs by Isothermal Helicase-Dependent Amplification. <i>Analytical Chemistry</i> , 2017, 89, 6182-6187.	3.2	79
141	Homogeneously Sensitive Detection of Multiple DNA Glycosylases with Intrinsically Fluorescent Nucleotides. <i>Analytical Chemistry</i> , 2017, 89, 7684-7692.	3.2	44
142	Single-Molecule Detection of Polynucleotide Kinase Based on Phosphorylation-Directed Recovery of Fluorescence Quenched by Au Nanoparticles. <i>Analytical Chemistry</i> , 2017, 89, 7255-7261.	3.2	74
143	A single quantum dot-based nanosensor for the signal-on detection of DNA methyltransferase. <i>Chemical Communications</i> , 2017, 53, 6868-6871.	2.2	51
144	The strategies for identification and quantification of SUMOylation. <i>Chemical Communications</i> , 2017, 53, 6989-6998.	2.2	7

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