

# Xiang Zhou

## List of Publications by Year in descending order

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160  
papers

5,152  
citations

81900

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110387

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166  
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166  
docs citations

166  
times ranked

6376  
citing authors

#	ARTICLE	IF	CITATIONS
1	The development of an iridium(III) complex functionalized G-quadruplex probe for the stability of G-quadruplex and lifetime image in cytoplasm. Chinese Chemical Letters, 2023, 34, 107517.	9.0	0
2	<i>N</i> <sup>6</sup> -Methyladenosine and Its Implications in Viruses. Genomics, Proteomics and Bioinformatics, 2023, 21, 695-706.	6.9	6
3	Visually Intracellular Detection of Telomerase Activity Based on <i>DNA</i> Strand Displacement Reaction and Gold Nanoparticle Labeling. Chinese Journal of Chemistry, 2022, 40, 693-698.	4.9	3
4	Single-Base Resolution Mapping Reveals Distinct 5-Formylcytidine in <i>Saccharomyces cerevisiae</i> mRNAs. ACS Chemical Biology, 2022, 17, 77-84.	3.4	13
5	Supramolecular CRISPR-OFF switches with host "guest chemistry. Nucleic Acids Research, 2022, 50, 1241-1255.	14.5	6
6	Construction of an Autocatalytic Hybridization Assembly Circuit for Amplified <i>In Vivo</i> MicroRNA Imaging. Angewandte Chemie, 2022, 134, .	2.0	7
7	Chemical labelling for m6A detection: opportunities and challenges. Fundamental Research, 2022, 2, 56-58.	3.3	0
8	6-Iodopurine as a Versatile Building Block for RNA Purine Architecture Modifications. Bioconjugate Chemistry, 2022, 33, 353-362.	3.6	6
9	Rational guide RNA engineering for small-molecule control of CRISPR/Cas9 and gene editing. Nucleic Acids Research, 2022, 50, 4769-4783.	14.5	6
10	Hydrogen Peroxide-triggered Chemical Strategy for Controlling CRISPR systems. Chemistry - an Asian Journal, 2022, 17, .	3.3	3
11	Inert Pepper aptamer-mediated endogenous mRNA recognition and imaging in living cells. Nucleic Acids Research, 2022, 50, e84-e84.	14.5	15
12	Labeling and sequencing nucleic acid modifications using bio-orthogonal tools. RSC Chemical Biology, 2022, 3, 994-1007.	4.1	4
13	4-Thiouridine-Enhanced Peroxidase-Generated Biotinylation of RNA. ChemBioChem, 2021, 22, 212-216.	2.6	7
14	Direct decarboxylation of ten-eleven translocation-produced 5-carboxylcytosine in mammalian genomes forms a new mechanism for active DNA demethylation. Chemical Science, 2021, 12, 11322-11329.	7.4	29
15	Photoactive G-Quadruplex Ligand Identifies Multiple G-Quadruplex-Related Proteins with Extensive Sequence Tolerance in the Cellular Environment. Journal of the American Chemical Society, 2021, 143, 1917-1923.	13.7	37
16	A far-red emissive two-photon fluorescent probe for quantification of uracil in genomic DNA. Chemical Communications, 2021, 57, 2784-2787.	4.1	0
17	<i>N</i> <sup>3</sup> -kethoxal-Based Bioorthogonal Intracellular RNA Labeling. ChemBioChem, 2021, 22, 1559-1562.	2.6	1
18	5-Formyluracil targeted biochemical reactions with proteins inhibit DNA replication, induce mutations and interference gene expression in living cells. Chinese Chemical Letters, 2021, 32, 3252-3256.	9.0	7

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19	NEase-based amplification for detection of miRNA, multiple miRNAs and circRNA. <i>Analytica Chimica Acta</i> , 2021, 1145, 52-58.	5.4	16
20	Differences in IFN $\beta$ secretion upon Rab1 inactivation in cells exposed to distinct innate immune stimuli. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1590-1592.	10.5	6
21	Base-Resolution Analysis of Deoxyuridine at the Genome Scale Based on the Artificial Incorporation Modified Nucleobase. <i>ACS Central Science</i> , 2021, 7, 973-979.	11.3	8
22	Pt(IV) Prodrugs Designed to Embed in Nanotubes of a Polysaccharide for Drug Delivery. <i>ACS Applied Bio Materials</i> , 2021, 4, 4841-4848.	4.6	5
23	Transformation of 5-Carboxylcytosine to Cytosine Through C-C Bond Cleavage in Human Cells Constitutes a Novel Pathway for DNA Demethylation. <i>CCS Chemistry</i> , 2021, 3, 994-1008.	7.8	21
24	One-pot fluorescent assay for sensitive detection of APOBEC3A activity. <i>RSC Chemical Biology</i> , 2021, 2, 1201-1205.	4.1	5
25	A longitudinal sampling study of transcriptomic and epigenetic profiles in patients with thrombocytopenia syndrome. <i>Nature Communications</i> , 2021, 12, 5629.	12.8	9
26	Bisulfite-free and quantitative detection of 5-formylcytosine in DNA through qPCR. <i>Chemical Communications</i> , 2021, 57, 13796-13798.	4.1	3
27	Sequencing 5-Formyluracil in Genomic DNA at Single-Base Resolution. <i>Analytical Chemistry</i> , 2021, 93, 15445-15451.	6.5	7
28	Enzymatic deamination of the epigenetic nucleoside N <sup>6</sup> -methyladenosine regulates gene expression. <i>Nucleic Acids Research</i> , 2021, 49, 12048-12068.	14.5	7
29	G-Quadruplexes in Neurobiology and Virology: Functional Roles and Potential Therapeutic Approaches. <i>Jacs Au</i> , 2021, 1, 2146-2161.	7.9	24
30	Chemical methods and advanced sequencing technologies for deciphering mRNA modifications. <i>Chemical Society Reviews</i> , 2021, 50, 13481-13497.	38.1	15
31	Direct detection of circRNA in real samples using reverse transcription-rolling circle amplification. <i>Analytica Chimica Acta</i> , 2020, 1101, 169-175.	5.4	29
32	Conditional control of RNA-guided nucleic acid cleavage and gene editing. <i>Nature Communications</i> , 2020, 11, 91.	12.8	54
33	Portfolio Targeting Strategy To Realize the Assembly and Membrane Fusion-Mediated Delivery of Gold Nanoparticles to Mitochondria for Enhanced NIR Photothermal Therapies. <i>Bioconjugate Chemistry</i> , 2020, 31, 2719-2725.	3.6	8
34	Monoradically luminescent polymers by a super acid-catalyzed polymerization and deep-red electroluminescence. <i>Science China Chemistry</i> , 2020, 63, 1214-1220.	8.2	7
35	Selective Chemical Labeling and Sequencing of 5-Carboxylcytosine in DNA at Single-Base Resolution. <i>Analytical Chemistry</i> , 2020, 92, 12710-12715.	6.5	3
36	TRADES: Targeted RNA Demethylation by SunTag System. <i>Advanced Science</i> , 2020, 7, 2001402.	11.2	27

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37	Light-Driven Activation of RNA-Guided Nucleic Acid Cleavage. <i>ACS Chemical Biology</i> , 2020, 15, 1455-1463.	3.4	32
38	A m <sup>6</sup> A Sensing Method by Its Impact on the Stability of RNA Double Helix. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000050.	2.1	3
39	Superacid-catalyzed Friedel-Crafts polyhydroxyalkylation: a straightforward method to construct sky-blue thermally activated delayed fluorescence polymers. <i>Polymer Chemistry</i> , 2020, 11, 3481-3487.	3.9	9
40	Acrylonitrile-Mediated Nascent RNA Sequencing for Transcriptome-Wide Profiling of Cellular RNA Dynamics. <i>Advanced Science</i> , 2020, 7, 1900997.	11.2	15
41	Multiplexed microRNA Detection Using Metal-Organic Framework for Signal Output. <i>ACS Applied Bio Materials</i> , 2020, 3, 2604-2609.	4.6	10
42	Multifunctional Hypoxia-Involved Gene Silencing Nanoplatfom for Sensitizing Photochemotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34588-34598.	8.0	20
43	Efficient Separation of Nucleic Acids with Different Secondary Structures by Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 5049-5059.	13.7	36
44	Keth-seq for transcriptome-wide RNA structure mapping. <i>Nature Chemical Biology</i> , 2020, 16, 489-492.	8.0	72
45	Regulable DNA-Protein Interactions in Vitro and Vivo at Epigenetic DNA Marks. <i>CCS Chemistry</i> , 2020, 2, 54-63.	7.8	8
46	Metabolic Labeling and Imaging of Cellular RNA via Bioorthogonal Cyclopropene-Tetrazine Ligation. <i>CCS Chemistry</i> , 2020, 2, 89-97.	7.8	14
47	Biochemical Insights into the Role of Guanosine Oxidation on RNA G-Quadruplex. <i>CCS Chemistry</i> , 2020, 2, 605-612.	7.8	5
48	A sensitive and radiolabeling-free method for pseudouridine detection. <i>Analytical Biochemistry</i> , 2019, 581, 113350.	2.4	3
49	Initial state radiation correction and its effect on data-taking scheme for $\beta$ measurement. <i>International Journal of Modern Physics A</i> , 2019, 34, 1950118.	1.5	0
50	Simultaneous dual-colour tracking lipid droplets and lysosomes dynamics using a fluorescent probe. <i>Chemical Science</i> , 2019, 10, 2342-2348.	7.4	132
51	<sup>1</sup> Methyladenosine detection with CRISPR-Cas13a/C2c2. <i>Chemical Science</i> , 2019, 10, 2975-2979.	7.4	54
52	Bisulfite-free, single base-resolution analysis of 5-hydroxymethylcytosine in genomic DNA by chemical-mediated mismatch. <i>Chemical Science</i> , 2019, 10, 447-452.	7.4	22
53	Small-molecule-based human genome G4 profiling reveals potential gene regulation activity. <i>Chemical Communications</i> , 2019, 55, 2269-2272.	4.1	6
54	Detection and Application of 5-Formylcytosine and 5-Formyluracil in DNA. <i>Accounts of Chemical Research</i> , 2019, 52, 1016-1024.	15.6	35

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55	Combining the qualities of carbazole and tetraphenyl silane in a desirable main chain for thermally activated delayed fluorescence polymers. <i>Polymer Chemistry</i> , 2019, 10, 4201-4208.	3.9	17
56	Biotinylation and isolation of an RNA G-quadruplex based on its peroxidase-mimicking activity. <i>Analyst, The</i> , 2019, 144, 4472-4476.	3.5	6
57	DNAzyme-Loaded Metal-Organic Frameworks (MOFs) for Self-Sufficient Gene Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7380-7384.	13.8	291
58	Efficient Self-Assembled DNA Nanoparticles through Rolling Circle Amplification for siRNA Delivery in vitro. <i>Chinese Journal of Chemistry</i> , 2019, 37, 588-592.	4.9	3
59	Specific stabilization of DNA G-quadruplex structures with a chemically modified complementary probe. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1962-1965.	3.0	6
60	DNAzyme-Loaded Metal-Organic Frameworks (MOFs) for Self-Sufficient Gene Therapy. <i>Angewandte Chemie</i> , 2019, 131, 7458-7462.	2.0	63
61	Photostable lysosomal imaging of living cell with hyperspectral stimulated Raman scattering microscopy using a probe based on bisarylbutadiyne. <i>Chinese Chemical Letters</i> , 2019, 30, 1393-1396.	9.0	8
62	Photocaged probes for spatiotemporal imaging. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 113-119.	7.8	1
63	The roles of microRNAs in epigenetic regulation. <i>Current Opinion in Chemical Biology</i> , 2019, 51, 11-17.	6.1	305
64	The construction of DNAzyme-based logic gates for amplified microRNA detection and cancer recognition. <i>Analyst, The</i> , 2019, 144, 7278-7282.	3.5	10
65	High-efficiency and integrable DNA arithmetic and logic system based on strand displacement synthesis. <i>Nature Communications</i> , 2019, 10, 5390.	12.8	64
66	Ligation-Based qPCR-Amplification Assay for Radiolabel-Free Detection of ATP and NAD <sup>+</sup> with High Selectivity and Sensitivity. <i>Analytical Chemistry</i> , 2019, 91, 1665-1670.	6.5	13
67	Amplified MicroRNA Detection and Intracellular Imaging Based on an Autonomous and Catalytic Assembly of DNAzyme. <i>ACS Sensors</i> , 2019, 4, 110-117.	7.8	88
68	Binding of cellular nucleolin with the viral core RNA G-quadruplex structure suppresses HCV replication. <i>Nucleic Acids Research</i> , 2019, 47, 56-68.	14.5	61
69	Precise Antibody-Independent m6A Identification via 4SedTTP-Involved and FTO-Assisted Strategy at Single-Nucleotide Resolution. <i>Journal of the American Chemical Society</i> , 2018, 140, 5886-5889.	13.7	63
70	Metal-organic frameworks for precise inclusion of single-stranded DNA and transfection in immune cells. <i>Nature Communications</i> , 2018, 9, 1293.	12.8	187
71	Using Ring-Opening Metathesis Polymerization of Norbornene To Construct Thermally Activated Delayed Fluorescence Polymers: High-Efficiency Blue Polymer Light-Emitting Diodes. <i>Macromolecules</i> , 2018, 51, 1598-1604.	4.8	76
72	A feasible strategy for self-assembly of gold nanoparticles via dithiol-PEG for photothermal therapy of cancers. <i>RSC Advances</i> , 2018, 8, 6120-6124.	3.6	8

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73	Naphthalimide derivatives as multifunctional molecules for detecting 5-formylpyrimidine by both PAGE analysis and dot-blot assays. <i>Chemical Communications</i> , 2018, 54, 1497-1500.	4.1	37
74	G-Quadruplex: A Regulator of Gene Expression and Its Chemical Targeting. <i>CheM</i> , 2018, 4, 1314-1344.	11.7	144
75	Gene specific-loci quantitative and single-base resolution analysis of 5-formylcytosine by compound-mediated polymerase chain reaction. <i>Chemical Science</i> , 2018, 9, 3723-3728.	7.4	37
76	Programmable DNA-responsive microchip for the capture and release of circulating tumor cells by nucleic acid hybridization. <i>Nano Research</i> , 2018, 11, 2592-2604.	10.4	34
77	5-Formyluracil as a cornerstone for aluminum detection <i>in vitro</i> and <i>in vivo</i> : a more natural and sustainable strategy. <i>Chemical Communications</i> , 2018, 54, 13107-13110.	4.1	15
78	Highly Selective 5-Formyluracil Labeling and Genome-wide Mapping Using (2-Benzimidazolyl)Acetonitrile Probe. <i>IScience</i> , 2018, 9, 423-432.	4.1	18
79	Selective Labeling Aldehydes in DNA. <i>Analytical Chemistry</i> , 2018, 90, 14616-14621.	6.5	19
80	Supramolecular Coordination-Directed Reversible Regulation of Protein Activities at Epigenetic DNA Marks. <i>Journal of the American Chemical Society</i> , 2018, 140, 15842-15849.	13.7	13
81	A novel nucleic acid aptamer tag: a rapid fluorescence strategy using a self-constructing G-quadruplex from AGG trinucleotide repeats. <i>Chemical Communications</i> , 2018, 54, 11487-11490.	4.1	6
82	Small Unnatural Amino Acid Carried Raman Tag for Molecular Imaging of Genetically Targeted Proteins. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4679-4685.	4.6	34
83	Luminescence Sensing for Qualitative and Quantitative Detection of 5-Methylcytosine. <i>Analytical Chemistry</i> , 2018, 90, 10064-10068.	6.5	8
84	Existence of Diverse Modifications in Small RNA Species Composed of 16 Nucleotides. <i>Chemistry - A European Journal</i> , 2018, 24, 9949-9956.	3.3	28
85	Construction of an enzyme-free concatenated DNA circuit for signal amplification and intracellular imaging. <i>Chemical Science</i> , 2018, 9, 5842-5849.	7.4	167
86	5-Formyluracil as a Multifunctional Building Block in Biosensor Designs. <i>Angewandte Chemie</i> , 2018, 130, 9837-9841.	2.0	4
87	5-Formyluracil as a Multifunctional Building Block in Biosensor Designs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9689-9693.	13.8	17
88	An Ultrasensitive Diagnostic Biochip Based on Biomimetic Periodic Nanostructure-Assisted Rolling Circle Amplification. <i>ACS Nano</i> , 2018, 12, 6777-6783.	14.6	66
89	Mechanism of synergistic DNA damage induced by the hydroquinone metabolite of brominated phenolic environmental pollutants and Cu(II): Formation of DNA-Cu complex and site-specific production of hydroxyl radicals. <i>Free Radical Biology and Medicine</i> , 2017, 104, 54-63.	2.9	40
90	N4 DNA recognition by STAT6: structural and functional implications. <i>Protein and Cell</i> , 2017, 8, 240-241.	11.0	0

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91	Enrichment and fluorogenic labelling of 5-formyluracil in DNA. <i>Chemical Science</i> , 2017, 8, 4505-4510.	7.4	36
92	A highly efficient fluorescence-based switch-on detection method of 5-formyluracil in DNA. <i>Nano Research</i> , 2017, 10, 2449-2458.	10.4	27
93	5-Formylcytosine and 5-Carboxylcytosine Significantly Reduce the Catalytic Activity of HhaI DNA Methyltransferase. <i>Chinese Journal of Chemistry</i> , 2017, 35, 853-856.	4.9	5
94	Epigenetic modification of nucleic acids: from basic studies to medical applications. <i>Chemical Society Reviews</i> , 2017, 46, 2844-2872.	38.1	155
95	Inflammasome Activation Triggers Caspase-1-Mediated Cleavage of cGAS to Regulate Responses to DNA Virus Infection. <i>Immunity</i> , 2017, 46, 393-404.	14.3	195
96	Cucurbit[7]uril-Driven Host-Guest Chemistry for Reversible Intervention of 5-Formylcytosine-Targeted Biochemical Reactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 16903-16912.	13.7	55
97	Fluorogenic labeling and single-base resolution analysis of 5-formylcytosine in DNA. <i>Chemical Science</i> , 2017, 8, 7443-7447.	7.4	42
98	STING-mediated DNA sensing in cancer immunotherapy. <i>Science China Life Sciences</i> , 2017, 60, 563-574.	4.9	12
99	The m <sup>6</sup> A methylation perturbs the Hoogsteen pairing-guided incorporation of an oxidized nucleotide. <i>Chemical Science</i> , 2017, 8, 6380-6388.	7.4	11
100	Selective detection of N6-methyladenine in DNA via metal ion-mediated replication and rolling circle amplification. <i>Chemical Science</i> , 2017, 8, 200-205.	7.4	26
101	Reversible manipulation of the G-quadruplex structures and enzymatic reactions through supramolecular host-guest interactions. <i>Nucleic Acids Research</i> , 2017, 45, gkx025.	14.5	32
102	Application of Ammonium Persulfate for Selective Oxidation of Guanines for Nucleic Acid Sequencing. <i>Molecules</i> , 2017, 22, 1222.	3.8	1
103	MAVS activates TBK1 and IKK $\mu$ through TRAFs in NEMO dependent and independent manner. <i>PLoS Pathogens</i> , 2017, 13, e1006720.	4.7	136
104	Visualization of G-quadruplexes in gel and in live cells by a near-infrared fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 268-275.	7.8	23
105	A highly conserved G-rich consensus sequence in hepatitis C virus core gene represents a new anti-hepatitis C target. <i>Science Advances</i> , 2016, 2, e1501535.	10.3	112
106	Detecting 5-methylcytosine using an enzyme-free DNA strand exchange reaction without pretreatment under physiological conditions. <i>Chemical Communications</i> , 2016, 52, 6833-6836.	4.1	5
107	Chemical Targeting of a G-Quadruplex RNA in the Ebola Virus L Gene. <i>Cell Chemical Biology</i> , 2016, 23, 1113-1122.	5.2	107
108	Simultaneous and Sensitive Detection of Multisite 5-Methylcytosine Including Non-CpG Sites at Single-5mC-Resolution. <i>Analytical Chemistry</i> , 2016, 88, 10547-10551.	6.5	10

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109	pH-controlled DNazymes: Rational design and their applications in DNA-machinery devices. <i>Nano Research</i> , 2016, 9, 3084-3092.	10.4	11
110	Comparison of Two Approaches for the Attachment of a Drug to Gold Nanoparticles and Their Anticancer Activities. <i>Molecular Pharmaceutics</i> , 2016, 13, 3308-3317.	4.6	15
111	A Single ssDNA Aptamer Binding to Mannose-Capped Lipoarabinomannan of <i>Bacillus Calmette-Guérin</i> Enhances Immunoprotective Effect against Tuberculosis. <i>Journal of the American Chemical Society</i> , 2016, 138, 11680-11689.	13.7	44
112	Degradable Zinc-Phosphate-Based Hierarchical Nanosubstrates for Capture and Release of Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 15917-15925.	8.0	53
113	A rapidly photo-activatable light-up fluorescent nucleoside and its application in DNA base variation sensing. <i>Chemical Communications</i> , 2016, 52, 8545-8548.	4.1	14
114	Facile construction of carbon dots via acid catalytic hydrothermal method and their application for target imaging of cancer cells. <i>Nano Research</i> , 2016, 9, 214-223.	10.4	51
115	Fluorescent turn-on probes for the detection of fluoride ions in organic solvent and in cells. <i>Analytical Methods</i> , 2016, 8, 245-248.	2.7	16
116	Highly Selective Detection of 5-Methylcytosine in Genomic DNA Based on Asymmetric PCR and Specific DNA Damaging Reagents. <i>Analytical Chemistry</i> , 2016, 88, 3348-3353.	6.5	11
117	6-Methyladenine hinders RNA- and DNA-directed DNA synthesis: application in human rRNA methylation analysis of clinical specimens. <i>Chemical Science</i> , 2016, 7, 1440-1446.	7.4	55
118	Generation and application of ssDNA aptamers against glycolipid antigen ManLAM of <i>Mycobacterium tuberculosis</i> for TB diagnosis. <i>Journal of Infection</i> , 2016, 72, 573-586.	3.3	52
119	Small-Molecule-Triggered and Light-Controlled Reversible Regulation of Enzymatic Activity. <i>Journal of the American Chemical Society</i> , 2016, 138, 955-961.	13.7	54
120	Rayleigh scattering of linear alkylbenzene in large liquid scintillator detectors. <i>Review of Scientific Instruments</i> , 2015, 86, 073310.	1.3	20
121	A two-photon fluorescent probe for selective methylglyoxal detection and application in living cells. <i>Analytical Methods</i> , 2015, 7, 2386-2390.	2.7	20
122	Spectroscopic study of light scattering in linear alkylbenzene for liquid scintillator neutrino detectors. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	4
123	DNA methyltransferase activity detection based on fluorescent silver nanocluster hairpin-shaped DNA probe with 5'-C-rich/G-rich-3' tails. <i>Biosensors and Bioelectronics</i> , 2015, 68, 736-740.	10.1	66
124	6-Hydroperoxymethyladenosine: a new intermediate of chemical oxidation of 6-methyladenosine mediated by bicarbonate-activated hydrogen peroxide. <i>Chemical Science</i> , 2015, 6, 3013-3017.	7.4	14
125	Specific recognition of guanines in non-duplex regions of nucleic acids with potassium tungstate and hydrogen peroxide. <i>Nucleic Acids Research</i> , 2015, 43, e3-e3.	14.5	4
126	A DNA logic gate based on strand displacement reaction and rolling circle amplification, responding to multiple low-abundance DNA fragment input signals, and its application in detecting miRNAs. <i>Chemical Communications</i> , 2015, 51, 6980-6983.	4.1	45



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127	Label-free detection of pH based on the i-motif using an aggregation-caused quenching strategy. <i>Chemical Communications</i> , 2015, 51, 16960-16963.	4.1	41
128	Single-Molecule Manipulation of the Duplex Formation and Dissociation at the G-Quadruplex/i-Motif Site in the DNA Nanostructure. <i>ACS Nano</i> , 2015, 9, 9922-9929.	14.6	50
129	Diagnostic applications of gastric carcinoma cell aptamers in vitro and in vivo. <i>Talanta</i> , 2015, 134, 30-36.	5.5	26
130	A Review: G-Quadruplex's Applications in Biological Target Detection and Drug Delivery. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1988-2001.	2.1	19
131	Chemical Labeling of 5-Iodo-2'-deoxyuridine with 4-Ethynyl-N-ethyl-1,8-naphthalimide Using Copper-Free Sonogashira Cross-Coupling in Aqueous Medium. <i>Synthetic Communications</i> , 2014, 44, 1007-1011.	2.1	7
132	Systematic Investigations of Different Cytosine Modifications on CpG Dinucleotide Sequences: The Effects on the B-Z Transition. <i>Journal of the American Chemical Society</i> , 2014, 136, 56-59.	13.7	26
133	DNA nanomachines as evolved molecular Beacons for in vitro and in vivo detection. <i>Talanta</i> , 2014, 120, 141-147.	5.5	7
134	Regulation of DNA strand displacement using a G-quadruplex-mediated toehold. <i>RSC Advances</i> , 2014, 4, 55367-55370.	3.6	3
135	Qualitative and quantitative detection of methylation at CpG sites using the fluorescein-dGTP incorporated asymmetric PCR assay strategy. <i>Chemical Communications</i> , 2014, 50, 6653-6655.	4.1	8
136	Diagnosis applications of new hepatoma carcinoma cell aptamers in vitro. <i>Analytical Methods</i> , 2014, 6, 8110-8114.	2.7	3
137	Self-Assembly of Hybridized Peptide Nucleic Acid Amphiphiles. <i>ACS Macro Letters</i> , 2014, 3, 467-471.	4.8	20
138	Nonlinear optical dye TSQ1 as an efficiently selective fluorescent probe for G-quadruplex DNA. <i>Organic Chemistry Frontiers</i> , 2014, 1, 267.	4.5	20
139	Discrimination between 5-hydroxymethylcytosine and 5-methylcytosine in DNA by selective chemical labeling. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 294-297.	2.2	10
140	A novel aggregation-induced emission fluorescent probe for nucleic acid detection and its applications in cell imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1654-1656.	2.2	19
141	A mitochondria-targeted zinc(ii) phthalocyanine for photodynamic therapy. <i>RSC Advances</i> , 2013, 3, 12839.	3.6	31
142	Graphene oxide-based fluorescent detection of DNA and enzymes using Hoechst 33258 and its use for dual-output fluorescent logic gates. <i>Analytical Methods</i> , 2013, 5, 3631.	2.7	7
143	Sensitive and Convenient Detection of microRNAs Based on Cascade Amplification by Catalytic DNAzymes. <i>Chemistry - A European Journal</i> , 2013, 19, 92-95.	3.3	82
144	Selective Chemical Labelling of 5-Formylcytosine in DNA by Fluorescent Dyes. <i>Chemistry - A European Journal</i> , 2013, 19, 5836-5840.	3.3	46

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145	Synthesis and spectroscopic properties of fluorescent 5-benzimidazolyl-2'-deoxyuridines 5-fdU probes obtained from o-phenylenediamine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1610.	2.8	23
146	Selective Detection of 5-Formyl-2'-deoxycytidine in DNA Using a Fluorogenic Hydroxylamine Reagent. <i>Organic Letters</i> , 2013, 15, 3266-3269.	4.6	54
147	Hydrophilic Material for the Selective Enrichment of 5-Hydroxymethylcytosine and Its Liquid Chromatography-Tandem Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2013, 85, 6129-6135.	6.5	54
148	A selective turn-on fluorescence strategy for the detection of 5-hydroxymethyl-2'-deoxycytidine. <i>RSC Advances</i> , 2013, 3, 12066.	3.6	4
149	Breathing -mechanism for C60 nanocage. <i>Wuhan University Journal of Natural Sciences</i> , 2013, 18, 295-299.	0.4	0
150	Application of <i>N</i> -Halogeno- <i>N</i> -sodiobenzenesulfonamide Reagents to the Selective Detection of 5-Methylcytosine in DNA Sequences. <i>Journal of the American Chemical Society</i> , 2013, 135, 1240-1243.	13.7	22
151	Poly(C)-binding protein 1 (PCBP1) mediates housekeeping degradation of mitochondrial antiviral signaling (MAVS). <i>Cell Research</i> , 2012, 22, 717-727.	12.0	66
152	A pyridyl carboxamide molecule selectively stabilizes DNA G-quadruplex and regulates duplex-quadruplex competition. <i>RSC Advances</i> , 2012, 2, 894-899.	3.6	5
153	A 4-Amino-1,8-Naphthalimide Derivative for Selective Fluorescent Detection of Palladium(II) Ions. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 259-263.	2.7	17
154	Exploring Quaternized Hydroxyethylcellulose as Potential Gene Carriers. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2212-2218.	4.9	2
155	Ag <sup>+</sup> and cysteine detection by Ag <sup>+</sup> -guanine interaction based on graphene oxide and G-quadruplex DNA. <i>Analytical Methods</i> , 2012, 4, 1935.	2.7	20
156	Highly Efficient Catalytic Asymmetric Sulfa-Michael Addition of Thiols to <i>trans</i> -4,4'-trifluorocrotonoylpyrazole. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1141-1147.	4.3	54
157	Synthesis of covalently-linked linear donor-acceptor copolymers containing porphyrins and oligothiophenes. <i>Chinese Journal of Chemistry</i> , 2010, 22, 779-781.	4.9	4
158	Cationic tetrapyrrolic macromolecules as new acetylcholinesterase inhibitors. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 893-902.	0.8	17
159	Some cationic porphyrins: synthesis, stabilization of G-quadruplexes, and down-regulation of <i>c-myc</i> in Hep G2 cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 865-875.	0.8	3
160	Regulable DNA-Protein Interactions in Vitro and Vivo at Epigenetic DNA Marks. <i>CCS Chemistry</i> , 0, , 54-63.	7.8	0