

Yafen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Single-Base Resolution Mapping Reveals Distinct 5-Formylcytidine in <i>Saccharomyces cerevisiae</i> mRNAs. ACS Chemical Biology, 2022, 17, 77-84.	1.6	13
2	Chemical labelling for m6A detection: opportunities and challenges. Fundamental Research, 2022, 2, 56-58.	1.6	0
3	Labeling and sequencing nucleic acid modifications using bio-orthogonal tools. RSC Chemical Biology, 2022, 3, 994-1007.	2.0	4
4	Highly sensitive detection of 6mA at single-base resolution based on A-C mismatch. Analyst, The, 2021, 146, 4450-4453.	1.7	1
5	A far-red emissive two-photon fluorescent probe for quantification of uracil in genomic DNA. Chemical Communications, 2021, 57, 2784-2787.	2.2	0
6	Base-Resolution Analysis of Deoxyuridine at the Genome Scale Based on the Artificial Incorporation Modified Nucleobase. ACS Central Science, 2021, 7, 973-979.	5.3	8
7	End-labeling-based electrochemical strategy for detection of adenine methylation in nucleic acid by differential pulse voltammetry. Mikrochimica Acta, 2021, 188, 250.	2.5	5
8	One-pot fluorescent assay for sensitive detection of APOBEC3A activity. RSC Chemical Biology, 2021, 2, 1201-1205.	2.0	5
9	A longitudinal sampling study of transcriptomic and epigenetic profiles in patients with thrombocytopenia syndrome. Nature Communications, 2021, 12, 5629.	5.8	9
10	Bisulfite-free and quantitative detection of 5-formylcytosine in DNA through qPCR. Chemical Communications, 2021, 57, 13796-13798.	2.2	3
11	Sequencing 5-Formyluracil in Genomic DNA at Single-Base Resolution. Analytical Chemistry, 2021, 93, 15445-15451.	3.2	7
12	Chemical methods and advanced sequencing technologies for deciphering mRNA modifications. Chemical Society Reviews, 2021, 50, 13481-13497.	18.7	15
13	Selective Chemical Labeling and Sequencing of 5-Carboxylcytosine in DNA at Single-Base Resolution. Analytical Chemistry, 2020, 92, 12710-12715.	3.2	3
14	Bisulfite-free, single base-resolution analysis of 5-hydroxymethylcytosine in genomic DNA by chemical-mediated mismatch. Chemical Science, 2019, 10, 447-452.	3.7	22
15	Detection and Application of 5-Formylcytosine and 5-Formyluracil in DNA. Accounts of Chemical Research, 2019, 52, 1016-1024.	7.6	35
16	Ligation-Based qPCR-Amplification Assay for Radiolabel-Free Detection of ATP and NAD ⁺ with High Selectivity and Sensitivity. Analytical Chemistry, 2019, 91, 1665-1670.	3.2	13
17	Naphthalimide derivatives as multifunctional molecules for detecting 5-formylpyrimidine by both PAGE analysis and dot-blot assays. Chemical Communications, 2018, 54, 1497-1500.	2.2	37
18	Gene specific-loci quantitative and single-base resolution analysis of 5-formylcytosine by compound-mediated polymerase chain reaction. Chemical Science, 2018, 9, 3723-3728.	3.7	37

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19	Highly Selective 5-Formyluracil Labeling and Genome-wide Mapping Using (2-Benzimidazolyl)Acetonitrile Probe. <i>IScience</i> , 2018, 9, 423-432.	1.9	18
20	Selective Labeling Aldehydes in DNA. <i>Analytical Chemistry</i> , 2018, 90, 14616-14621.	3.2	19
21	Luminescence Sensing for Qualitative and Quantitative Detection of 5-Methylcytosine. <i>Analytical Chemistry</i> , 2018, 90, 10064-10068.	3.2	8
22	5-Formyluracil as a Multifunctional Building Block in Biosensor Designs. <i>Angewandte Chemie</i> , 2018, 130, 9837-9841.	1.6	4
23	5-Formyluracil as a Multifunctional Building Block in Biosensor Designs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9689-9693.	7.2	17
24	Enrichment and fluorogenic labelling of 5-formyluracil in DNA. <i>Chemical Science</i> , 2017, 8, 4505-4510.	3.7	36
25	A highly efficient fluorescence-based switch-on detection method of 5-formyluracil in DNA. <i>Nano Research</i> , 2017, 10, 2449-2458.	5.8	27
26	Fluorogenic labeling and single-base resolution analysis of 5-formylcytosine in DNA. <i>Chemical Science</i> , 2017, 8, 7443-7447.	3.7	42
27	The m ⁶ A methylation perturbs the Hoogsteen pairing-guided incorporation of an oxidized nucleotide. <i>Chemical Science</i> , 2017, 8, 6380-6388.	3.7	11
28	Application of Ammonium Persulfate for Selective Oxidation of Guanines for Nucleic Acid Sequencing. <i>Molecules</i> , 2017, 22, 1222.	1.7	1
29	Induction Stabilization and Fluorescence-based Switch-on Detection of G-Quadruplex by Zinc (II)-salen Complex. <i>Acta Chimica Sinica</i> , 2017, 75, 692.	0.5	3
30	Right-handed and left-handed G-quadruplexes have the same DNA sequence: distinct conformations induced by an organic small molecule and potassium. <i>Chemical Communications</i> , 2016, 52, 10052-10055.	2.2	17
31	A rapidly photo-activatable light-up fluorescent nucleoside and its application in DNA base variation sensing. <i>Chemical Communications</i> , 2016, 52, 8545-8548.	2.2	14
32	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.	3.2	11
33	Convenient and multiplexed detection of microRNAs based on an exonucleation reaction by conformational switch of hairpin probes. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 887-892.	4.0	3