

Zhiyong He

List of Publications by Year in descending order

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22
papers

383
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840776

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docs citations

22
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	A novel resorufin based fluorescent "turn-on" probe for the selective detection of hydrazine and application in living cells. <i>Chinese Chemical Letters</i> , 2016, 27, 540-544.	9.0	33
5	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
6	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
7	Enantioselective Diels-Alder reactions using a G-triplex DNA-based catalyst. <i>Catalysis Communications</i> , 2016, 74, 16-18.	3.3	23
8	Acrylonitrile-Mediated Nascent RNA Sequencing for Transcriptome-Wide Profiling of Cellular RNA Dynamics. <i>Advanced Science</i> , 2020, 7, 1900997.	11.2	15
9	N ⁶ -Hydroperoxymethyladenosine: a new intermediate of chemical oxidation of N ⁶ -methyladenosine mediated by bicarbonate-activated hydrogen peroxide. <i>Chemical Science</i> , 2015, 6, 3013-3017.	7.4	14
10	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
11	Metabolic Labeling and Imaging of Cellular RNA via Bioorthogonal Cyclopropene-Tetrazine Ligation. <i>CCS Chemistry</i> , 2020, 2, 89-97.	7.8	14
12	pH-controlled DNazymes: Rational design and their applications in DNA-machinery devices. <i>Nano Research</i> , 2016, 9, 3084-3092.	10.4	11
13	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
14	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
15	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
16	Reversible photoregulation of DNA B-Z transition by a photochromic nucleoside. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2151-2154.	7.8	6
17	6-Iodopurine as a Versatile Building Block for RNA Purine Architecture Modifications. <i>Bioconjugate Chemistry</i> , 2022, 33, 353-362.	3.6	6
18	Enantioselective Diels-Alder reactions with left-handed G-quadruplex DNA-based catalysts. <i>Chinese Chemical Letters</i> , 2021, 32, 1701-1704.	9.0	4

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19	Systematic investigation of bioorthogonal cellular DNA metabolic labeling in a photo-controlled manner. <i>Chinese Chemical Letters</i> , 2020, 31, 1104-1108.	9.0	3
20	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
21	Application of Ammonium Persulfate for Selective Oxidation of Guanines for Nucleic Acid Sequencing. <i>Molecules</i> , 2017, 22, 1222.	3.8	1
22	Copper (II) synergistic AS1411 conjunction with chemical decaging reactions for selective fluorescence imaging and prodrug activation in living systems. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130773.	7.8	0