Boxuan Simen Zhao

List of Publications by Year
in descending order

32	11,997	201385 27	360668 35
papers	citations	h-index	g-index

38	38	38	10406
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	RNAâ€“protein interaction mapping via MS2- or Cas13-based APEX targeting. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22068-22079.	3.3	105
2	DNA 5-Methylcytosine-Specific Amplification and Sequencing. Journal of the American Chemical Society, 2020, 142, 4539-4543.	6.6	13
3	N6-methyladenosine modification enables viral RNA to escape recognition by RNA sensor RIG-I. Nature Microbiology, 2020, 5, 584-598.	5.9	169
4	Viral N6-methyladenosine upregulates replication and pathogenesis of human respiratory syncytial virus. Nature Communications, 2019, 10, 4595.	5.8	64
5	Histone H3 trimethylation at lysine 36 guides m6A RNA modification co-transcriptionally. Nature, 2019, 567, 414-419.	13.7	452
6	Recognition of RNA N6-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. Nature Cell Biology, 2018, 20, 285-295.	4.6	1,650
7	METTL14 Inhibits Hematopoietic Stem/Progenitor Differentiation and Promotes Leukemogenesis via mRNA m6A Modification. Cell Stem Cell, 2018, 22, 191-205.e9.	5.2	749
8	Our views of dynamic N⁶-methyladenosine RNA methylation. Rna, 2018, 24, 268-272.	1.6	41
9	Long genes linked to autism spectrum disorders harbor broad enhancer-like chromatin domains. Genome Research, 2018, 28, 933-942.	2.4	40
10	YTHDF3 facilitates translation and decay of N6-methyladenosine-modified RNA. Cell Research, 2017, 27, 315-328.	5.7	1,220
11	m6A-dependent maternal mRNA clearance facilitates zebrafish maternal-to-zygotic transition. Nature, 2017, 542, 475-478.	13.7	437
12	m 6 A Demethylase ALKBH5 Maintains Tumorigenicity of Glioblastoma Stem-like Cells by Sustaining FOXM1 Expression and Cell Proliferation Program. Cancer Cell, 2017, 31, 591-606.e6.	7.7	1,131
13	Evolution of transcript modification by N⁶-methyladenosine in primates. Genome Research, 2017, 27, 385-392.	2.4	49
14	â€œGamete Onâ€•for m6A: YTHDF2 Exerts Essential Functions in Female Fertility. Molecular Cell, 2017, 67, 903-905.	4.5	23
15	Post-transcriptional gene regulation by mRNA modifications. Nature Reviews Molecular Cell Biology, 2017, 18, 31-42.	16.1	1,592
16	N6-methyladenosine of HIV-1 RNA regulates viral infection and HIV-1 Gag protein expression. ELife, 2016, 5, .	2.8	227
17	Quantifying mammalian genomic DNA hydroxymethylcytosine content using solid-state nanopores. Scientific Reports, 2016, 6, 29565.	1.6	32
18	Dynamics of Human and Viral RNA Methylation during Zika Virus Infection. Cell Host and Microbe, 2016, 20, 666-673.	5.1	318

#	Article	IF	Citations
19	Nucleic Acid Modifications in Regulation of Gene Expression. Cell Chemical Biology, 2016, 23, 74-85.	2.5	219
20	The N6-Adenine Methyltransferase METTL14 Plays an Oncogenic Role in Acute Myeloid Leukemia. Blood, 2016, 128, 1536-1536.	0.6	1
21	N6-methyladenosine Modulates Messenger RNA Translation Efficiency. Cell, 2015, 161, 1388-1399.	13.5	2,446
22	Base-resolution maps of 5-formylcytosine and 5-carboxylcytosine reveal genome-wide DNA demethylation dynamics. Cell Research, 2015, 25, 386-389.	5.7	77
23	TET Family Proteins: Oxidation Activity, Interacting Molecules, and Functions in Diseases. Chemical Reviews, 2015, 115, 2225-2239.	23.0	89
24	Fate by RNA methylation: m6A steers stem cell pluripotency. Genome Biology, 2015, 16, 43.	3.8	76
25	Pseudouridine in a new era of RNA modifications. Cell Research, 2015, 25, 153-154.	5.7	64
26	The multiple antibiotic resistance regulator MarR is a copper sensor in Escherichia coli. Nature Chemical Biology, 2014, 10, 21-28.	3.9	128
27	5mC Oxidation by Tet2 Modulates Enhancer Activity and Timing of Transcriptome Reprogramming during Differentiation. Molecular Cell, 2014, 56, 286-297.	4.5	285
28	Abstract 460: Base resolution epigenomic analysis reveals a role for Tet2 in modulating enhancer activity. , 2014, , .		0
29	A highly sensitive and genetically encoded fluorescent reporter for ratiometric monitoring of quinones in living cells. Chemical Communications, 2013, 49, 8027.	2.2	3
30	Probing subcellular organic hydroperoxide formation via a genetically encoded ratiometric and reversible fluorescent indicator. Integrative Biology (United Kingdom), 2013, 5, 1485.	0.6	5
31	A Selective Fluorescent Probe for Carbon Monoxide Imaging in Living Cells. Angewandte Chemie - International Edition, 2012, 51, 9652-9656.	7.2	129
32	A Highly Selective Fluorescent Probe for Visualization of Organic Hydroperoxides in Living Cells. Journal of the American Chemical Society, 2010, 132, 17065-17067.	6.6	54