

# Boxuan Simen Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

11,997  
citations

201385

27  
h-index

360668

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

10406  
citing authors

#	ARTICLE	IF	CITATIONS
1	N6-methyladenosine Modulates Messenger RNA Translation Efficiency. <i>Cell</i> , 2015, 161, 1388-1399.	13.5	2,446
2	Recognition of RNA N6-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. <i>Nature Cell Biology</i> , 2018, 20, 285-295.	4.6	1,650
3	Post-transcriptional gene regulation by mRNA modifications. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 31-42.	16.1	1,592
4	YTHDF3 facilitates translation and decay of N6-methyladenosine-modified RNA. <i>Cell Research</i> , 2017, 27, 315-328.	5.7	1,220
5	m6A Demethylase ALKBH5 Maintains Tumorigenicity of Glioblastoma Stem-like Cells by Sustaining FOXM1 Expression and Cell Proliferation Program. <i>Cancer Cell</i> , 2017, 31, 591-606.e6.	7.7	1,131
6	METTL14 Inhibits Hematopoietic Stem/Progenitor Differentiation and Promotes Leukemogenesis via mRNA m6A Modification. <i>Cell Stem Cell</i> , 2018, 22, 191-205.e9.	5.2	749
7	Histone H3 trimethylation at lysine 36 guides m6A RNA modification co-transcriptionally. <i>Nature</i> , 2019, 567, 414-419.	13.7	452
8	m6A-dependent maternal mRNA clearance facilitates zebrafish maternal-to-zygotic transition. <i>Nature</i> , 2017, 542, 475-478.	13.7	437
9	Dynamics of Human and Viral RNA Methylation during Zika Virus Infection. <i>Cell Host and Microbe</i> , 2016, 20, 666-673.	5.1	318
10	5mC Oxidation by Tet2 Modulates Enhancer Activity and Timing of Transcriptome Reprogramming during Differentiation. <i>Molecular Cell</i> , 2014, 56, 286-297.	4.5	285
11	N6-methyladenosine of HIV-1 RNA regulates viral infection and HIV-1 Gag protein expression. <i>ELife</i> , 2016, 5, .	2.8	227
12	Nucleic Acid Modifications in Regulation of Gene Expression. <i>Cell Chemical Biology</i> , 2016, 23, 74-85.	2.5	219
13	N6-methyladenosine modification enables viral RNA to escape recognition by RNA sensor RIG-I. <i>Nature Microbiology</i> , 2020, 5, 584-598.	5.9	169
14	A Selective Fluorescent Probe for Carbon Monoxide Imaging in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9652-9656.	7.2	129
15	The multiple antibiotic resistance regulator MarR is a copper sensor in <i>Escherichia coli</i> . <i>Nature Chemical Biology</i> , 2014, 10, 21-28.	3.9	128
16	RNA-protein interaction mapping via MS2- or Cas13-based APEX targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22068-22079.	3.3	105
17	TET Family Proteins: Oxidation Activity, Interacting Molecules, and Functions in Diseases. <i>Chemical Reviews</i> , 2015, 115, 2225-2239.	23.0	89
18	Base-resolution maps of 5-formylcytosine and 5-carboxylcytosine reveal genome-wide DNA demethylation dynamics. <i>Cell Research</i> , 2015, 25, 386-389.	5.7	77

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19	Fate by RNA methylation: m6A steers stem cell pluripotency. <i>Genome Biology</i> , 2015, 16, 43.	3.8	76
20	Pseudouridine in a new era of RNA modifications. <i>Cell Research</i> , 2015, 25, 153-154.	5.7	64
21	Viral N6-methyladenosine upregulates replication and pathogenesis of human respiratory syncytial virus. <i>Nature Communications</i> , 2019, 10, 4595.	5.8	64
22	A Highly Selective Fluorescent Probe for Visualization of Organic Hydroperoxides in Living Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 17065-17067.	6.6	54
23	Evolution of transcript modification by <i>N</i> <sup>6</sup> -methyladenosine in primates. <i>Genome Research</i> , 2017, 27, 385-392.	2.4	49
24	Our views of dynamic <i>N</i> <sup>6</sup> -methyladenosine RNA methylation. <i>Rna</i> , 2018, 24, 268-272.	1.6	41
25	Long genes linked to autism spectrum disorders harbor broad enhancer-like chromatin domains. <i>Genome Research</i> , 2018, 28, 933-942.	2.4	40
26	Quantifying mammalian genomic DNA hydroxymethylcytosine content using solid-state nanopores. <i>Scientific Reports</i> , 2016, 6, 29565.	1.6	32
27	œGamete Onœfor m6A: YTHDF2 Exerts Essential Functions in Female Fertility. <i>Molecular Cell</i> , 2017, 67, 903-905.	4.5	23
28	DNA 5-Methylcytosine-Specific Amplification and Sequencing. <i>Journal of the American Chemical Society</i> , 2020, 142, 4539-4543.	6.6	13
29	Probing subcellular organic hydroperoxide formation via a genetically encoded ratiometric and reversible fluorescent indicator. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 1485.	0.6	5
30	A highly sensitive and genetically encoded fluorescent reporter for ratiometric monitoring of quinones in living cells. <i>Chemical Communications</i> , 2013, 49, 8027.	2.2	3
31	The N6-Adenine Methyltransferase METTL14 Plays an Oncogenic Role in Acute Myeloid Leukemia. <i>Blood</i> , 2016, 128, 1536-1536.	0.6	1
32	Abstract 460: Base resolution epigenomic analysis reveals a role for Tet2 in modulating enhancer activity. , 2014, , .		0