

# Boxuan Simen Zhao

## List of Publications by Citations

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33  
papers

7,271  
citations

25  
h-index

38  
g-index

38  
ext. papers

9,942  
ext. citations

20.2  
avg, IF

6.17  
L-index

#	Paper	IF	Citations
33	N(6)-methyladenosine Modulates Messenger RNA Translation Efficiency. <i>Cell</i> , <b>2015</b> , 161, 1388-99	56.2	1493
32	Post-transcriptional gene regulation by mRNA modifications. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 31-42	48.7	909
31	Recognition of RNA N-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 285-295	23.4	795
30	mA Demethylase ALKBH5 Maintains Tumorigenicity of Glioblastoma Stem-like Cells by Sustaining FOXM1 Expression and Cell Proliferation Program. <i>Cancer Cell</i> , <b>2017</b> , 31, 591-606.e6	24.3	734
29	YTHDF3 facilitates translation and decay of N-methyladenosine-modified RNA. <i>Cell Research</i> , <b>2017</b> , 27, 315-328	24.7	696
28	METTL14 Inhibits Hematopoietic Stem/Progenitor Differentiation and Promotes Leukemogenesis via mRNA mA Modification. <i>Cell Stem Cell</i> , <b>2018</b> , 22, 191-205.e9	18	476
27	mA-dependent maternal mRNA clearance facilitates zebrafish maternal-to-zygotic transition. <i>Nature</i> , <b>2017</b> , 542, 475-478	50.4	293
26	Histone H3 trimethylation at lysine 36 guides mA RNA modification co-transcriptionally. <i>Nature</i> , <b>2019</b> , 567, 414-419	50.4	232
25	5mC oxidation by Tet2 modulates enhancer activity and timing of transcriptome reprogramming during differentiation. <i>Molecular Cell</i> , <b>2014</b> , 56, 286-297	17.6	226
24	Dynamics of Human and Viral RNA Methylation during Zika Virus Infection. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 666-673	23.4	221
23	N(6)-methyladenosine of HIV-1 RNA regulates viral infection and HIV-1 Gag protein expression. <i>ELife</i> , <b>2016</b> , 5,	8.9	167
22	Nucleic Acid Modifications in Regulation of Gene Expression. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 74-85	8.2	155
21	A selective fluorescent probe for carbon monoxide imaging in living cells. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9652-6	16.4	117
20	The multiple antibiotic resistance regulator MarR is a copper sensor in Escherichia coli. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 21-8	11.7	95
19	N-methyladenosine modification enables viral RNA to escape recognition by RNA sensor RIG-I. <i>Nature Microbiology</i> , <b>2020</b> , 5, 584-598	26.6	91
18	TET family proteins: oxidation activity, interacting molecules, and functions in diseases. <i>Chemical Reviews</i> , <b>2015</b> , 115, 2225-39	68.1	75
17	Fate by RNA methylation: m6A steers stem cell pluripotency. <i>Genome Biology</i> , <b>2015</b> , 16, 43	18.3	64

16	Base-resolution maps of 5-formylcytosine and 5-carboxylcytosine reveal genome-wide DNA demethylation dynamics. <i>Cell Research</i> , <b>2015</b> , 25, 386-9	24.7	64
15	A highly selective fluorescent probe for visualization of organic hydroperoxides in living cells. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 17065-7	16.4	51
14	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> , <b>2020</b> , 117, 22068-22079	11.5	42
13	Pseudouridine in a new era of RNA modifications. <i>Cell Research</i> , <b>2015</b> , 25, 153-4	24.7	41
12	Viral N-methyladenosine upregulates replication and pathogenesis of human respiratory syncytial virus. <i>Nature Communications</i> , <b>2019</b> , 10, 4595	17.4	35
11	Our views of dynamic -methyladenosine RNA methylation. <i>Rna</i> , <b>2018</b> , 24, 268-272	5.8	35
10	Evolution of transcript modification by -methyladenosine in primates. <i>Genome Research</i> , <b>2017</b> , 27, 385-397	9.7	34
9	Quantifying mammalian genomic DNA hydroxymethylcytosine content using solid-state nanopores. <i>Scientific Reports</i> , <b>2016</b> , 6, 29565	4.9	26
8	A Selective Fluorescent Probe for Carbon Monoxide Imaging in Living Cells. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9790-9794	3.6	19
7	"Gamete On" for mA: YTHDF2 Exerts Essential Functions in Female Fertility. <i>Molecular Cell</i> , <b>2017</b> , 67, 903-905	17.6	17
6	Long genes linked to autism spectrum disorders harbor broad enhancer-like chromatin domains. <i>Genome Research</i> , <b>2018</b> , 28, 933-942	9.7	17
5	DNA 5-Methylcytosine-Specific Amplification and Sequencing. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4539-4543	16.4	8
4	Probing subcellular organic hydroperoxide formation via a genetically encoded ratiometric and reversible fluorescent indicator. <i>Integrative Biology (United Kingdom)</i> , <b>2013</b> , 5, 1485-9	3.7	5
3	A highly sensitive and genetically encoded fluorescent reporter for ratiometric monitoring of quinones in living cells. <i>Chemical Communications</i> , <b>2013</b> , 49, 8027-9	5.8	2
2	RNA-protein interaction mapping via MS2 or Cas13-based APEX targeting		2
1	The N6-Adenine Methyltransferase METTL14 Plays an Oncogenic Role in Acute Myeloid Leukemia. <i>Blood</i> , <b>2016</b> , 128, 1536-1536	2.2	1