Boxuan Simen Zhao

List of Publications by Year in Descending Order

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	DNA 5-Methylcytosine-Specific Amplification and Sequencing. *Journal of the American Chemical Society*, **2020**, 142, 4539-4543	16.4	8
32	N-methyladenosine modification enables viral RNA to escape recognition by RNA sensor RIG-I. *Nature Microbiology*, **2020**, 5, 584-598	26.6	91
31	RNA-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	11.5	42
30	Histone H3 trimethylation at lysine 36 guides mA RNA modification co-transcriptionally. *Nature*, **2019**, 567, 414-419	50.4	232
29	Viral N-methyladenosine upregulates replication and pathogenesis of human respiratory syncytial virus. *Nature Communications*, **2019**, 10, 4595	17.4	35
28	Recognition of RNA N-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. *Nature Cell Biology*, **2018**, 20, 285-295	23.4	795
27	METTL14 Inhibits Hematopoietic Stem/Progenitor Differentiation and Promotes Leukemogenesis via mRNA mA Modification. *Cell Stem Cell*, **2018**, 22, 191-205.e9	18	476
26	Our views of dynamic -methyladenosine RNA methylation. *Rna*, **2018**, 24, 268-272	5.8	35
25	Long genes linked to autism spectrum disorders harbor broad enhancer-like chromatin domains. *Genome Research*, **2018**, 28, 933-942	9.7	17
24	YTHDF3 facilitates translation and decay of N-methyladenosine-modified RNA. *Cell Research*, **2017**, 27, 315-328	24.7	696
23	mA-dependent maternal mRNA clearance facilitates zebrafish maternal-to-zygotic transition. *Nature*, **2017**, 542, 475-478	50.4	293
22	mA Demethylase ALKBH5 Maintains Tumorigenicity of Glioblastoma Stem-like Cells by Sustaining FOXM1 Expression and Cell Proliferation Program. *Cancer Cell*, **2017**, 31, 591-606.e6	24.3	734
21	Evolution of transcript modification by -methyladenosine in primates. *Genome Research*, **2017**, 27, 385-392	9.7	34
20	"Gamete On" for mA: YTHDF2 Exerts Essential Functions in Female Fertility. *Molecular Cell*, **2017**, 67, 903-905	17.6	17
19	Post-transcriptional gene regulation by mRNA modifications. *Nature Reviews Molecular Cell Biology*, **2017**, 18, 31-42	48.7	909
18	Quantifying mammalian genomic DNA hydroxymethylcytosine content using solid-state nanopores. *Scientific Reports*, **2016**, 6, 29565	4.9	26
17	Dynamics of Human and Viral RNA Methylation during Zika Virus Infection. *Cell Host and Microbe*, **2016**, 20, 666-673	23.4	221

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16	Nucleic Acid Modifications in Regulation of Gene Expression. *Cell Chemical Biology*, **2016**, 23, 74-85	8.2	155
15	The N6-Adenine Methyltransferase METTL14 Plays an Oncogenic Role in Acute Myeloid Leukemia. *Blood*, **2016**, 128, 1536-1536	2.2	1
14	N(6)-methyladenosine of HIV-1 RNA regulates viral infection and HIV-1 Gag protein expression. *ELife*, **2016**, 5,	8.9	167
13	Fate by RNA methylation: m6A steers stem cell pluripotency. *Genome Biology*, **2015**, 16, 43	18.3	64
12	Pseudouridine in a new era of RNA modifications. *Cell Research*, **2015**, 25, 153-4	24.7	41
11	N(6)-methyladenosine Modulates Messenger RNA Translation Efficiency. *Cell*, **2015**, 161, 1388-99	56.2	1493
10	Base-resolution maps of 5-formylcytosine and 5-carboxylcytosine reveal genome-wide DNA demethylation dynamics. *Cell Research*, **2015**, 25, 386-9	24.7	64
9	TET family proteins: oxidation activity, interacting molecules, and functions in diseases. *Chemical Reviews*, **2015**, 115, 2225-39	68.1	75
8	The multiple antibiotic resistance regulator MarR is a copper sensor in Escherichia coli. *Nature Chemical Biology*, **2014**, 10, 21-8	11.7	95
7	5mC oxidation by Tet2 modulates enhancer activity and timing of transcriptome reprogramming during differentiation. *Molecular Cell*, **2014**, 56, 286-297	17.6	226
6	A highly sensitive and genetically encoded fluorescent reporter for ratiometric monitoring of quinones in living cells. *Chemical Communications*, **2013**, 49, 8027-9	5.8	2
5	Probing subcellular organic hydroperoxide formation via a genetically encoded ratiometric and reversible fluorescent indicator. *Integrative Biology (United Kingdom)*, **2013**, 5, 1485-9	3.7	5
4	A Selective Fluorescent Probe for Carbon Monoxide Imaging in Living Cells. *Angewandte Chemie*, **2012**, 124, 9790-9794	3.6	19
3	A selective fluorescent probe for carbon monoxide imaging in living cells. *Angewandte Chemie - International Edition*, **2012**, 51, 9652-6	16.4	117
2	A highly selective fluorescent probe for visualization of organic hydroperoxides in living cells. *Journal of the American Chemical Society*, **2010**, 132, 17065-7	16.4	51
1	RNA-protein interaction mapping via MS2 or Cas13-based APEX targeting		2