

# Ruitu Lyu

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

2,687  
citations

361045

20  
h-index

525886

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

4648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zc3h13 Regulates Nuclear RNA m6A Methylation and Mouse Embryonic Stem Cell Self-Renewal. <i>Molecular Cell</i> , 2018, 69, 1028-1038.e6.	4.5	618
2	Glucose-regulated phosphorylation of TET2 by AMPK reveals a pathway linking diabetes to cancer. <i>Nature</i> , 2018, 559, 637-641.	13.7	327
3	N6-Methyladenosine methyltransferase ZCCHC4 mediates ribosomal RNA methylation. <i>Nature Chemical Biology</i> , 2019, 15, 88-94.	3.9	258
4	Regulation of Co-transcriptional Pre-mRNA Splicing by m6A through the Low-Complexity Protein hnRNPG. <i>Molecular Cell</i> , 2019, 76, 70-81.e9.	4.5	248
5	A Specific LSD1/KDM1A Isoform Regulates Neuronal Differentiation through H3K9 Demethylation. <i>Molecular Cell</i> , 2015, 57, 957-970.	4.5	221
6	BS69/ZMYND11 Reads and Connects Histone H3.3 Lysine 36 Trimethylation-Decorated Chromatin to Regulated Pre-mRNA Processing. <i>Molecular Cell</i> , 2014, 56, 298-310.	4.5	194
7	The histone H3 Lys 27 demethylase JMJD3 regulates gene expression by impacting transcriptional elongation. <i>Genes and Development</i> , 2012, 26, 1364-1375.	2.7	141
8	Control of Early B Cell Development by the RNA N6-Methyladenosine Methylation. <i>Cell Reports</i> , 2020, 31, 107819.	2.9	77
9	Naked Mole Rat Cells Have a Stable Epigenome that Resists iPSC Reprogramming. <i>Stem Cell Reports</i> , 2017, 9, 1721-1734.	2.3	71
10	Kethoxal-assisted single-stranded DNA sequencing captures global transcription dynamics and enhancer activity in situ. <i>Nature Methods</i> , 2020, 17, 515-523.	9.0	64
11	A primary role of TET proteins in establishment and maintenance of <i>De Novo</i> bivalency at CpG islands. <i>Nucleic Acids Research</i> , 2016, 44, 8682-8692.	6.5	49
12	The histone methyltransferase SETD2 is required for expression of acrosin-binding protein 1 and protamines and essential for spermiogenesis in mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 9188-9197.	1.6	49
13	SETD5-Coordinated Chromatin Reprogramming Regulates Adaptive Resistance to Targeted Pancreatic Cancer Therapy. <i>Cancer Cell</i> , 2020, 37, 834-849.e13.	7.7	48
14	NSD2 dimethylation at H3K36 promotes lung adenocarcinoma pathogenesis. <i>Molecular Cell</i> , 2021, 81, 4481-4492.e9.	4.5	42
15	Nono, a Bivalent Domain Factor, Regulates Erk Signaling and Mouse Embryonic Stem Cell Pluripotency. <i>Cell Reports</i> , 2016, 17, 997-1007.	2.9	40
16	ERÎ± is a negative regulator of PD-L1 gene transcription in breast cancer. <i>Biochemical and Biophysical Research Communications</i> , 2018, 505, 157-161.	1.0	37
17	Refined spatial temporal epigenomic profiling reveals intrinsic connection between PRDM9-mediated H3K4me3 and the fate of double-stranded breaks. <i>Cell Research</i> , 2020, 30, 256-268.	5.7	37
18	LanCL1 protects prostate cancer cells from oxidative stress via suppression of JNK pathway. <i>Cell Death and Disease</i> , 2018, 9, 197.	2.7	32

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19	HNF1B-mediated repression of SLUG is suppressed by EZH2 in aggressive prostate cancer. <i>Oncogene</i> , 2020, 39, 1335-1346.	2.6	32
20	Genome-Wide Mapping of 5mC and 5hmC Identified Differentially Modified Genomic Regions in Late-Onset Severe Preeclampsia: A Pilot Study. <i>PLoS ONE</i> , 2015, 10, e0134119.	1.1	22
21	TET2 Inhibits PD-L1 Gene Expression in Breast Cancer Cells through Histone Deacetylation. <i>Cancers</i> , 2021, 13, 2207.	1.7	19
22	Methyl-CpG-binding domain protein 3-like 2 (MBD3L2) promotes Tet2 enzymatic activity for mediating 5mC oxidation. <i>Journal of Cell Science</i> , 2016, 129, 1059-71.	1.2	18
23	KAS-seq: genome-wide sequencing of single-stranded DNA by N3-kethoxalâ€‘assisted labeling. <i>Nature Protocols</i> , 2022, 17, 402-420.	5.5	16
24	Reduced methylation downregulates CD39/ENTPD1 and ZDHHC14 to suppress trophoblast cell proliferation and invasion: Implications in preeclampsia. <i>Pregnancy Hypertension</i> , 2018, 14, 59-67.	0.6	11
25	Tumour suppressor TET2 safeguards enhancers from aberrant DNA methylation and epigenetic reprogramming in ER $\pm$ -positive breast cancer cells. <i>Epigenetics</i> , 2022, 17, 1180-1194.	1.3	10
26	Regulation of TET2 gene expression and 5mC oxidation in breast cancer cells by estrogen signaling. <i>Biochemical and Biophysical Research Communications</i> , 2022, 589, 240-246.	1.0	4