Chuan He

List of Publications by Year
in descending order

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359 papers	83,737 citations	630 127 h-index	536 272 g-index
398 all docs	398 docs citations	398 times ranked	45284 citing authors

#	Article	IF	Citations
1	Gluten-induced RNA methylation changes regulate intestinal inflammation via allele-specific XPO1 translation in epithelial cells. Gut, 2022, 71, 68-76.	6.1	29
2	METTL3 Regulates Liver Homeostasis, Hepatocyte Ploidy, and Circadian Rhythmâ€“Controlled Gene Expression in Mice. American Journal of Pathology, 2022, 192, 56-71.	1.9	26
3	Novel evidence for m6A methylation regulators as prognostic biomarkers and FTO as a potential therapeutic target in gastric cancer. British Journal of Cancer, 2022, 126, 228-237.	2.9	25
4	ACS Chemical Biologyâ”€2022 Editorial Statement. ACS Chemical Biology, 2022, 17, 1-1.	1.6	0
5	KAS-seq: genome-wide sequencing of single-stranded DNA by N3-kethoxalâ€“assisted labeling. Nature Protocols, 2022, 17, 402-420.	5.5	16
6	The METTL5-TRMT112 N6-methyladenosine methyltransferase complex regulates mRNA translation via 18S rRNA methylation. Journal of Biological Chemistry, 2022, 298, 101590.	1.6	26
7	The m6A methyltransferase METTL3 regulates muscle maintenance and growth in mice. Nature Communications, 2022, 13, 168.	5.8	24
8	METTL16 exerts an m6A-independent function to facilitate translation and tumorigenesis. Nature Cell Biology, 2022, 24, 205-216.	4.6	143
9	Utility of Perioperative Measurement of Cell-Free DNA and Circulating Tumor DNA in Informing the Prognosis of GI Cancers: A Systematic Review. JCO Precision Oncology, 2022, 6, e2100337.	1.5	4
10	The chromatin organization of a chlorarachniophyte nucleomorph genome. Genome Biology, 2022, 23, 65.	3.8	4
11	m6A RNA modifications are measured at single-base resolution across the mammalian transcriptome. Nature Biotechnology, 2022, 40, 1210-1219.	9.4	115
12	Decoding pseudouridine: an emerging target for therapeutic development. Trends in Pharmacological Sciences, 2022, 43, 522-535.	4.0	32
13	Genome-wide Analysis Reflects Novel 5-Hydroxymethylcytosines Implicated in Diabetic Nephropathy and the Biomarker Potential.. , 2022, 3, 49-60.		0
14	FTO mediates LINE1 m ⁶ A demethylation and chromatin regulation in mESCs and mouse development. Science, 2022, 376, 968-973.	6.0	97
15	Development of Mild Chemical Catalysis Conditions for m¹A-to-m⁶A Rearrangement on RNA. ACS Chemical Biology, 2022, , .	1.6	4
16	A fungal dioxygenase CcTet serves as a eukaryotic 6mA demethylase on duplex DNA. Nature Chemical Biology, 2022, 18, 733-741.	3.9	13
17	Utilization of nano-hmC-seal technology to detect epigenetic signatures of peritoneal metastasis in cell-free DNA (cfDNA) in patients with colorectal and high-grade appendiceal cancer.. Journal of Clinical Oncology, 2022, 40, e15510-e15510.	0.8	0
18	Decoding the epitranscriptional landscape from native RNA sequences. Nucleic Acids Research, 2021, 49, e7-e7.	6.5	149

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19	LEADâ€m⁶Aâ€seq for Locusâ€Specific Detection of N⁶â€Methyladenosine and Quantification of Differential Methylation. Angewandte Chemie, 2021, 133, 886-893.	1.6	0
20	LEADâ€m 6 Aâ€seq for Locusâ€Specific Detection of N 6 â€Methyladenosine and Quantification of Differential Methylation. Angewandte Chemie - International Edition, 2021, 60, 873-880.	7.2	16
21	Remodeling of the m6A landscape in the heart reveals few conserved post-transcriptional events underlying cardiomyocyte hypertrophy. Journal of Molecular and Cellular Cardiology, 2021, 151, 46-55.	0.9	24
22	Alterations of 5-hydroxymethylcytosines in circulating cell-free DNA reflect retinopathy in type 2 diabetes. Genomics, 2021, 113, 79-87.	1.3	12
23	Direct DNA crosslinking with CAP-C uncovers transcription-dependent chromatin organization at high resolution. Nature Biotechnology, 2021, 39, 225-235.	9.4	37
24	m ⁶ A deposition is regulated by PRMT1â€mediated arginine methylation of METTL14 in its disordered Câ€terminal region. EMBO Journal, 2021, 40, e106309.	3.5	30
25	Transcriptome-Wide Detection of Internal N7-Methylguanosine. Methods in Molecular Biology, 2021, 2298, 97-104.	0.4	5
26	EGFR/SRC/ERK-stabilized YTHDF2 promotes cholesterol dysregulation and invasive growth of glioblastoma. Nature Communications, 2021, 12, 177.	5.8	160
27	5-Hydroxymethylcytosine profiles of cfDNA are highly predictive of R-CHOP treatment response in diffuse large B cell lymphoma patients. Clinical Epigenetics, 2021, 13, 33.	1.8	13
28	Alterations of 5-hydroxymethylation in circulating cell-free DNA reflect molecular distinctions of subtypes of non-Hodgkin lymphoma. Npj Genomic Medicine, 2021, 6, 11.	1.7	13
29	N ⁶ â€methyladenosine modification of lncRNA Pvt1 governs epidermal stemness. EMBO Journal, 2021, 40, e106276.	3.5	30
30	N6-methyladenosine modification of HIV-1 RNA suppresses type-I interferon induction in differentiated monocytic cells and primary macrophages. PLoS Pathogens, 2021, 17, e1009421.	2.1	38
31	Autophagy of the m6A mRNA demethylase FTO is impaired by low-level arsenic exposure to promote tumorigenesis. Nature Communications, 2021, 12, 2183.	5.8	72
32	QSER1 protects DNA methylation valleys from de novo methylation. Science, 2021, 372, .	6.0	69
33	Nonsegmented Negative-Sense RNA Viruses Utilize N ⁶ -Methyladenosine (m) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	26
34	Post-translational modification of RNA m6A demethylase ALKBH5 regulates ROS-induced DNA damage response. Nucleic Acids Research, 2021, 49, 5779-5797.	6.5	92
35	Multi-cancer detection and tissue of origin determination based on 5-hydroxymethylcytosine biomarkers in circulating cell-free DNA.. Journal of Clinical Oncology, 2021, 39, 3123-3123.	0.8	1
36	5-Hydroxymethylcytosines in circulating cell-free DNA and overall survival in patients with multiple myeloma.. Journal of Clinical Oncology, 2021, 39, 8032-8032.	0.8	1

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37	Chromatin and transcriptional regulation by reversible RNA methylation. Current Opinion in Cell Biology, 2021, 70, 109-115.	2.6	44
38	ALKBH7-mediated demethylation regulates mitochondrial polycistronic RNA processing. Nature Cell Biology, 2021, 23, 684-691.	4.6	41
39	N6-methyladenosine promotes induction of ADAR1-mediated A-to-I RNA editing to suppress aberrant antiviral innate immune responses. PLoS Biology, 2021, 19, e3001292.	2.6	20
40	RNA demethylation increases the yield and biomass of rice and potato plants in field trials. Nature Biotechnology, 2021, 39, 1581-1588.	9.4	102
41	A critical role of nuclear m6A reader YTHDC1 in leukemogenesis by regulating MCM complexâ€“mediated DNA replication. Blood, 2021, 138, 2838-2852.	0.6	83
42	METTL14 facilitates global genome repair and suppresses skin tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	61
43	Targeting PUS7 suppresses tRNA pseudouridylation and glioblastoma tumorigenesis. Nature Cancer, 2021, 2, 932-949.	5.7	64
44	Lysine acetylation restricts mutant IDH2 activity to optimize transformation in AML cells. Molecular Cell, 2021, 81, 3833-3847.e11.	4.5	10
45	METTL3-dependent RNA m6A dysregulation contributes to neurodegeneration in Alzheimerâ€™s disease through aberrant cell cycle events. Molecular Neurodegeneration, 2021, 16, 70.	4.4	87
46	Impact of DNA sequences on DNA â€˜openingâ€™ by the Rad4/XPC nucleotide excision repair complex. DNA Repair, 2021, 107, 103194.	1.3	5
47	An integrative analysis of genome-wide 5-hydroxymethylcytosines in circulating cell-free DNA detects noninvasive diagnostic markers for gliomas. Neuro-Oncology Advances, 2021, 3, vdab049.	0.4	12
48	N6-methyladenosine dynamics in neurodevelopment and aging, and its potential role in Alzheimerâ€™s disease. Genome Biology, 2021, 22, 17.	3.8	131
49	m ⁶ A RNA methylation: from mechanisms to therapeutic potential. EMBO Journal, 2021, 40, e105977.	3.5	316
50	Aberrant RNA methylation triggers recruitment of an alkylation repair complex. Molecular Cell, 2021, 81, 4228-4242.e8.	4.5	18
51	HRD1-mediated METTL14 degradation regulates m6A mRNA modification to suppress ER proteotoxic liver disease. Molecular Cell, 2021, 81, 5052-5065.e6.	4.5	24
52	5-Hydroxymethylcytosine Signatures in Circulating Cell-Free DNA as Early Warning Biomarkers for COVID-19 Progression and Myocardial Injury. Frontiers in Cell and Developmental Biology, 2021, 9, 781267.	1.8	3
53	Viral RNA N6-methyladenosine modification modulates both innate and adaptive immune responses of human respiratory syncytial virus. PLoS Pathogens, 2021, 17, e1010142.	2.1	12
54	5-Hydroxymethylcytosine Profiles in Circulating Cell-Free DNA Associate with Disease Burden in Children with Neuroblastoma. Clinical Cancer Research, 2020, 26, 1309-1317.	3.2	22

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55	5-Carboxylcytosine and Cytosine Protonation Distinctly Alter the Stability and Dehybridization Dynamics of the DNA Duplex. Journal of Physical Chemistry B, 2020, 124, 627-640.	1.2	11
56	m6A mRNA Methylation Is Essential for Oligodendrocyte Maturation and CNS Myelination. Neuron, 2020, 105, 293-309.e5.	3.8	96
57	Reply to â€˜Are the 5-hydroxymethylcytosine-based wd-scores really superior over Î±-fetoprotein for the early diagnosis of hepatocellular carcinoma?â€™. Gut, 2020, 69, 1903-1904.	6.1	2
58	An integrated multi-omics approach identifies epigenetic alterations associated with Alzheimerâ€™s disease. Nature Genetics, 2020, 52, 1024-1035.	9.4	191
59	N6-Adenosine Methylation of Socs1 mRNA Is Required to Sustain the Negative Feedback Control of Macrophage Activation. Developmental Cell, 2020, 55, 737-753.e7.	3.1	51
60	A human tissue map of 5-hydroxymethylcytosines exhibits tissue specificity through gene and enhancer modulation. Nature Communications, 2020, 11, 6161.	5.8	76
61	Stabilization of ERK-Phosphorylated METTL3 by USP5 Increases m6A Methylation. Molecular Cell, 2020, 80, 633-647.e7.	4.5	83
62	Control of Early B Cell Development by the RNA N6-Methyladenosine Methylation. Cell Reports, 2020, 31, 107819.	2.9	77
63	YTHDF3 Induces the Translation of m6A-Enriched Gene Transcripts to Promote Breast Cancer Brain Metastasis. Cancer Cell, 2020, 38, 857-871.e7.	7.7	203
64	Tethering-facilitated DNA â€˜openingâ€™ and complementary roles of Î²-hairpin motifs in the Rad4/XPC DNA damage sensor protein. Nucleic Acids Research, 2020, 48, 12348-12364.	6.5	9
65	Upregulation of METTL14 mediates the elevation of PERP mRNA N6 adenosine methylation promoting the growth and metastasis of pancreatic cancer. Molecular Cancer, 2020, 19, 130.	7.9	140
66	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
67	RNA m6A Modification in Cancers: Molecular Mechanisms and Potential Clinical Applications. Innovation(China), 2020, 1, 100066.	5.2	69
68	RNA Demethylase ALKBH5 Selectively Promotes Tumorigenesis and Cancer Stem Cell Self-Renewal in Acute Myeloid Leukemia. Cell Stem Cell, 2020, 27, 64-80.e9.	5.2	225
69	N6-Deoxyadenosine Methylation in Mammalian Mitochondrial DNA. Molecular Cell, 2020, 78, 382-395.e8.	4.5	156
70	Genetic analyses support the contribution of mRNA N6-methyladenosine (m6A) modification to human disease heritability. Nature Genetics, 2020, 52, 939-949.	9.4	113
71	A New Model of Spontaneous Colitis in Mice Induced by Deletion of an RNA m6A Methyltransferase Component METTL14 in T Cells. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 747-761.	2.3	69
72	DNA 5-Methylcytosine-Specific Amplification and Sequencing. Journal of the American Chemical Society, 2020, 142, 4539-4543.	6.6	13

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73	5-Hydroxymethylcytosine signatures in circulating cell-free DNA as diagnostic and predictive biomarkers for coronary artery disease. Clinical Epigenetics, 2020, 12, 17.	1.8	15
74	N ⁶ -methyladenosine of chromosome-associated regulatory RNA regulates chromatin state and transcription. Science, 2020, 367, 580-586.	6.0	406
75	Oxidized Derivatives of 5-Methylcytosine Alter the Stability and Dehybridization Dynamics of Duplex DNA. Journal of Physical Chemistry B, 2020, 124, 1160-1174.	1.2	16
76	N6-methyladenosine modification enables viral RNA to escape recognition by RNA sensor RIG-I. Nature Microbiology, 2020, 5, 584-598.	5.9	169
77	REPIC: a database for exploring the N6-methyladenosine methylome. Genome Biology, 2020, 21, 100.	3.8	71
78	Kethoxal-assisted single-stranded DNA sequencing captures global transcription dynamics and enhancer activity in situ. Nature Methods, 2020, 17, 515-523.	9.0	64
79	A metabolic labeling method detects m6A transcriptome-wide at single base resolution. Nature Chemical Biology, 2020, 16, 887-895.	3.9	133
80	YTHDF2 promotes mitotic entry and is regulated by cell cycle mediators. PLoS Biology, 2020, 18, e3000664.	2.6	50
81	Keth-seq for transcriptome-wide RNA structure mapping. Nature Chemical Biology, 2020, 16, 489-492.	3.9	72
82	Global Detection of RNA Methylation by Click Degradation. ACS Central Science, 2020, 6, 2126-2129.	5.3	0
83	Global Detection of RNA Methylation by Click Degradation. ACS Central Science, 2020, 6, 2126-2129.	5.3	1
84	m6A mRNA methylation regulates human Î²-cell biology in physiological states and in type 2 diabetes. Nature Metabolism, 2019, 1, 765-774.	5.1	158
85	Site-specific m6A editing. Nature Chemical Biology, 2019, 15, 848-849.	3.9	15
86	FMRP Modulates Neural Differentiation through m6A-Dependent mRNA Nuclear Export. Cell Reports, 2019, 28, 845-854.e5.	2.9	188
87	Detailed modeling of positive selection improves detection of cancer driver genes. Nature Communications, 2019, 10, 3399.	5.8	49
88	Genome-wide mapping of 5-hydroxymethylcytosines in circulating cell-free DNA as a non-invasive approach for early detection of hepatocellular carcinoma. Gut, 2019, 68, 2195-2205.	6.1	180
89	Single-base mapping of m ⁶ A by an antibody-independent method. Science Advances, 2019, 5, eaax0250.	4.7	270
90	Viral N6-methyladenosine upregulates replication and pathogenesis of human respiratory syncytial virus. Nature Communications, 2019, 10, 4595.	5.8	64

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91	Regulation of Co-transcriptional Pre-mRNA Splicing by m6A through the Low-Complexity Protein hnRNPG. Molecular Cell, 2019, 76, 70-81.e9.	4.5	248
92	5-Hydroxymethylcytosines in Circulating Cell-Free DNA Reveal Vascular Complications of Type 2 Diabetes. Clinical Chemistry, 2019, 65, 1414-1425.	1.5	34
93	Evolution of a reverse transcriptase to map N1-methyladenosine in human messenger RNA. Nature Methods, 2019, 16, 1281-1288.	9.0	113
94	Special Issue on Regulating the Central Dogma. Biochemistry, 2019, 58, 295-296.	1.2	2
95	5-Hydroxymethylcytosine Profiles Are Prognostic of Outcome in Neuroblastoma and Reveal Transcriptional Networks That Correlate With Tumor Phenotype. JCO Precision Oncology, 2019, 3, 1-12.	1.5	14
96	m6A mRNA demethylase FTO regulates melanoma tumorigenicity and response to anti-PD-1 blockade. Nature Communications, 2019, 10, 2782.	5.8	468
97	Thymine DNA glycosylase recognizes the geometry alteration of minor grooves induced by 5-formylcytosine and 5-carboxylcytosine. Chemical Science, 2019, 10, 7407-7417.	3.7	20
98	Sources of artifact in measurements of 6mA and 4mC abundance in eukaryotic genomic DNA. BMC Genomics, 2019, 20, 445.	1.2	120
99	Jump-seq: Genome-Wide Capture and Amplification of 5-Hydroxymethylcytosine Sites. Journal of the American Chemical Society, 2019, 141, 8694-8697.	6.6	26
100	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda. Nature Communications, 2019, 10, 2219.	5.8	37
101	Where, When, and How: Context-Dependent Functions of RNA Methylation Writers, Readers, and Erasers. Molecular Cell, 2019, 74, 640-650.	4.5	1,096
102	METTL14 is essential for Î²-cell survival and insulin secretion. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2138-2148.	1.8	54
103	Transcriptome-wide Mapping of Internal N7-Methylguanosine Methylome in Mammalian mRNA. Molecular Cell, 2019, 74, 1304-1316.e8.	4.5	276
104	Inhibition of Copper Transport Induces Apoptosis in Triple-Negative Breast Cancer Cells and Suppresses Tumor Angiogenesis. Molecular Cancer Therapeutics, 2019, 18, 873-885.	1.9	69
105	Histone H3 trimethylation at lysine 36 guides m6A RNA modification co-transcriptionally. Nature, 2019, 567, 414-419.	13.7	452
106	Regulation of Gene Expression by N-methyladenosine in Cancer. Trends in Cell Biology, 2019, 29, 487-499.	3.6	159
107	Cytokine-Regulated Phosphorylation and Activation of TET2 by JAK2 in Hematopoiesis. Cancer Discovery, 2019, 9, 778-795.	7.7	41
108	Anti-tumour immunity controlled through mRNA m6A methylation and YTHDF1 in dendritic cells. Nature, 2019, 566, 270-274.	13.7	681

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109	Prognostic implications of 5-hydroxymethylcytosines from circulating cell-free DNA in diffuse large B-cell lymphoma. Blood Advances, 2019, 3, 2790-2799.	2.5	36
110	YTHDF2 reduction fuels inflammation and vascular abnormalization in hepatocellular carcinoma. Molecular Cancer, 2019, 18, 163.	7.9	230
111	The RNA-binding protein FMRP facilitates the nuclear export of N6-methyladenosineâ€“containing mRNAs. Journal of Biological Chemistry, 2019, 294, 19889-19895.	1.6	84
112	RADAR: differential analysis of MeRIP-seq data with a random effect model. Genome Biology, 2019, 20, 294.	3.8	46
113	Progress toward liquid biopsies in pediatric solid tumors. Cancer and Metastasis Reviews, 2019, 38, 553-571.	2.7	32
114	Transcriptome-wide reprogramming of N6-methyladenosine modification by the mouse microbiome. Cell Research, 2019, 29, 167-170.	5.7	38
115	Single base resolution mapping of 2â€²-O-methylation sites in human mRNA and in 3â€² terminal ends of small RNAs. Methods, 2019, 156, 85-90.	1.9	20
116	mRNA acetylation: a new addition to the epitranscriptome. Cell Research, 2019, 29, 91-92.	5.7	3
117	N6-Methyladenosine methyltransferase ZCCHC4 mediates ribosomal RNA methylation. Nature Chemical Biology, 2019, 15, 88-94.	3.9	258
118	High-Resolution Mapping of N 6-Methyladenosine Using m6A Crosslinking Immunoprecipitation Sequencing (m6A-CLIP-Seq). Methods in Molecular Biology, 2019, 1870, 69-79.	0.4	10
119	N6-methyldeoxyadenine is a transgenerational epigenetic signal for mitochondrial stress adaptation. Nature Cell Biology, 2019, 21, 319-327.	4.6	130
120	VIRMA mediates preferential m6A mRNA methylation in 3â€²UTR and near stop codon and associates with alternative polyadenylation. Cell Discovery, 2018, 4, 10.	3.1	643
121	Circulating tumor DNA 5-hydroxymethylcytosine as a novel diagnostic biomarker for esophageal cancer. Cell Research, 2018, 28, 597-600.	5.7	57
122	Recognition of RNA N6-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. Nature Cell Biology, 2018, 20, 285-295.	4.6	1,650
123	TET-mediated epimutagenesis of the Arabidopsis thaliana methylome. Nature Communications, 2018, 9, 895.	5.8	44
124	2â€²-O-methylation in mRNA disrupts tRNA decoding during translation elongation. Nature Structural and Molecular Biology, 2018, 25, 208-216.	3.6	92
125	Phasing Gene Expression: mRNA N6-Methyladenosine Regulates Temporal Progression of Mammalian Cortical Neurogenesis. Biochemistry, 2018, 57, 1055-1056.	1.2	5
126	Epitranscriptomic m6A Regulation of Axon Regeneration in the Adult Mammalian Nervous System. Neuron, 2018, 97, 313-325.e6.	3.8	292

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127	METTL14 Inhibits Hematopoietic Stem/Progenitor Differentiation and Promotes Leukemogenesis via mRNA m6A Modification. Cell Stem Cell, 2018, 22, 191-205.e9.	5.2	749
128	Zc3h13 Regulates Nuclear RNA m6A Methylation and Mouse Embryonic Stem Cell Self-Renewal. Molecular Cell, 2018, 69, 1028-1038.e6.	4.5	618
129	RNA cytosine methylation and methyltransferases mediate chromatin organization and 5-azacytidine response and resistance in leukaemia. Nature Communications, 2018, 9, 1163.	5.8	132
130	R-2HG Exhibits Anti-tumor Activity by Targeting FTO/m6A/MYC/CEBPA Signaling. Cell, 2018, 172, 90-105.e23.	13.5	794
131	TET proteins safeguard bivalent promoters from de novo methylation in human embryonic stem cells. Nature Genetics, 2018, 50, 83-95.	9.4	156
132	Our views of dynamic N⁶-methyladenosine RNA methylation. Rna, 2018, 24, 268-272.	1.6	41
133	Identifying the m6A Methylome by Affinity Purification and Sequencing. Methods in Molecular Biology, 2018, 1649, 49-57.	0.4	11
134	N6-methyldeoxyadenosine directs nucleosome positioning in Tetrahymena DNA. Genome Biology, 2018, 19, 200.	3.8	45
135	Circadian Clock Regulation of Hepatic Lipid Metabolism by Modulation of m6A mRNA Methylation. Cell Reports, 2018, 25, 1816-1828.e4.	2.9	207
136	A dynamic N6-methyladenosine methylome regulates intrinsic and acquired resistance to tyrosine kinase inhibitors. Cell Research, 2018, 28, 1062-1076.	5.7	152
137	RNA modifications modulate gene expression during development. Science, 2018, 361, 1346-1349.	6.0	762
138	Bisulfite-Free, Nanoscale Analysis of 5-Hydroxymethylcytosine at Single Base Resolution. Journal of the American Chemical Society, 2018, 140, 13190-13194.	6.6	71
139	m6A facilitates hippocampus-dependent learning and memory through YTHDF1. Nature, 2018, 563, 249-253.	13.7	354
140	Targeted m⁶A Reader Proteins To Study Epitranscriptomic Regulation of Single RNAs. Journal of the American Chemical Society, 2018, 140, 11974-11981.	6.6	92
141	Differential m6A, m6Am, and m1A Demethylation Mediated by FTO in the Cell Nucleus and Cytoplasm. Molecular Cell, 2018, 71, 973-985.e5.	4.5	506
142	Chemical Modifications in the Life of an mRNA Transcript. Annual Review of Genetics, 2018, 52, 349-372.	3.2	147
143	Mapping and characterizing N6-methyladenine in eukaryotic genomes using single-molecule real-time sequencing. Genome Research, 2018, 28, 1067-1078.	2.4	80
144	Long genes linked to autism spectrum disorders harbor broad enhancer-like chromatin domains. Genome Research, 2018, 28, 933-942.	2.4	40

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145	Mettl14 Is Essential for Epitranscriptomic Regulation of Striatal Function and Learning. Neuron, 2018, 99, 283-292.e5.	3.8	110
146	Suppression of m6A reader Ythdf2 promotes hematopoietic stem cell expansion. Cell Research, 2018, 28, 904-917.	5.7	203
147	Ythdf2-mediated m6A mRNA clearance modulates neural development in mice. Genome Biology, 2018, 19, 69.	3.8	216
148	m6A mRNA methylation regulates AKT activity to promote the proliferation and tumorigenicity of endometrial cancer. Nature Cell Biology, 2018, 20, 1074-1083.	4.6	592
149	N6-methyladenosine modification and the YTHDF2 reader protein play cell type specific roles in lytic viral gene expression during Kaposi's sarcoma-associated herpesvirus infection. PLoS Pathogens, 2018, 14, e1006995.	2.1	162
150	OGT binds a conserved C-terminal domain of TET1 to regulate TET1 activity and function in development. ELife, 2018, 7, .	2.8	46
151	m 6 A facilitates hippocampusâ€dependent learning and memory through Ythdf1. FASEB Journal, 2018, 32, 787.6.	0.2	1
152	5-Hydroxymethylcytosines of Circulating Cell-Free DNA and Prognosis in Diffuse Large B-Cell Lymphoma. Blood, 2018, 132, 2985-2985.	0.6	0
153	YTHDF3 facilitates translation and decay of N6-methyladenosine-modified RNA. Cell Research, 2017, 27, 315-328.	5.7	1,220
154	Chromate Binding and Removal by the Molybdateâ€Binding Protein ModA. ChemBioChem, 2017, 18, 633-637.	1.3	7
155	m6A-dependent maternal mRNA clearance facilitates zebrafish maternal-to-zygotic transition. Nature, 2017, 542, 475-478.	13.7	437
156	Nm-seq maps 2â€²-O-methylation sites in human mRNA with base precision. Nature Methods, 2017, 14, 695-698.	9.0	218
157	Tet2 loss leads to hypermutagenicity in haematopoietic stem/progenitor cells. Nature Communications, 2017, 8, 15102.	5.8	88
158	Dynamic RNA Modifications in Gene Expression Regulation. Cell, 2017, 169, 1187-1200.	13.5	2,222
159	Genome-wide profiling of DNA 5-hydroxymethylcytosine during rat Sertoli cell maturation. Cell Discovery, 2017, 3, 17013.	3.1	8
160	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
161	m 6 A RNA Methylation Regulates the Self-Renewal and Tumorigenesis of Glioblastoma Stem Cells. Cell Reports, 2017, 18, 2622-2634.	2.9	1,026
162	RNA m6A methylation regulates the ultraviolet-induced DNA damage response. Nature, 2017, 543, 573-576.	13.7	685

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163	FTO Plays an Oncogenic Role in Acute Myeloid Leukemia as a N 6 -Methyladenosine RNA Demethylase. Cancer Cell, 2017, 31, 127-141.	7.7	1,139
164	Developing drugs targeting transition metal homeostasis. Current Opinion in Chemical Biology, 2017, 37, 26-32.	2.8	68
165	Evolution of transcript modification by N⁶-methyladenosine in primates. Genome Research, 2017, 27, 385-392.	2.4	49
166	The emerging biology of RNA post-transcriptional modifications. RNA Biology, 2017, 14, 156-163.	1.5	177
167	â€œGamete Onâ€•for m6A: YTHDF2 Exerts Essential Functions in Female Fertility. Molecular Cell, 2017, 67, 903-905.	4.5	23
168	Temporal Control of Mammalian Cortical Neurogenesis by m6A Methylation. Cell, 2017, 171, 877-889.e17.	13.5	567
169	Making your mark on DNA. Nature Chemistry, 2017, 9, 1040-1042.	6.6	0
170	Mettl3-/Mettl14-mediated mRNA N6-methyladenosine modulates murine spermatogenesis. Cell Research, 2017, 27, 1216-1230.	5.7	298
171	Epigenetic DNA Modification N⁶-Methyladenine Causes Site-Specific RNA Polymerase II Transcriptional Pausing. Journal of the American Chemical Society, 2017, 139, 14436-14442.	6.6	35
172	Ythdc2 is an N6-methyladenosine binding protein that regulates mammalian spermatogenesis. Cell Research, 2017, 27, 1115-1127.	5.7	696
173	Targeted inhibition of STAT/TET1 axis as a therapeutic strategy for acute myeloid leukemia. Nature Communications, 2017, 8, 2099.	5.8	45
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