

Chuan He

List of Publications by Year in Descending Order

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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.

363
papers

54,732
citations

113
h-index

231
g-index

398
ext. papers

70,845
ext. citations

16.6
avg, IF

7.99
L-index

#	Paper	IF	Citations
363	The METTL5-TRMT112 N-methyladenosine methyltransferase complex regulates mRNA translation via 18S rRNA methylation.. <i>Journal of Biological Chemistry</i> , 2022 , 101590	5.4	2
362	The mA methyltransferase METTL3 regulates muscle maintenance and growth in mice.. <i>Nature Communications</i> , 2022 , 13, 168	17.4	3
361	METTL16 exerts an mA-independent function to facilitate translation and tumorigenesis.. <i>Nature Cell Biology</i> , 2022 , 24, 205-216	23.4	10
360	Gluten-induced RNA methylation changes regulate intestinal inflammation via allele-specific translation in epithelial cells. <i>Gut</i> , 2022 , 71, 68-76	19.2	12
359	Utility of Perioperative Measurement of Cell-Free DNA and Circulating Tumor DNA in Informing the Prognosis of GI Cancers: A Systematic Review.. <i>JCO Precision Oncology</i> , 2022 , 6, e2100337	3.6	1
358	The chromatin organization of a chlorarachniophyte nucleomorph genome.. <i>Genome Biology</i> , 2022 , 23, 65	18.3	1
357	mA RNA modifications are measured at single-base resolution across the mammalian transcriptome.. <i>Nature Biotechnology</i> , 2022 ,	44.5	9
356	Genome-wide Analysis Reflects Novel 5-Hydroxymethylcytosines Implicated in Diabetic Nephropathy and the Biomarker Potential. 2022 , 3, 49-60		
355	FTO mediates LINE1 mA demethylation and chromatin regulation in mESCs and mouse development.. <i>Science</i> , 2022 , eabe9582	33.3	4
354	5-Hydroxymethylcytosine Signatures in Circulating Cell-Free DNA as Early Warning Biomarkers for COVID-19 Progression and Myocardial Injury.. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 781267 ⁵⁷		
353	Viral RNA N6-methyladenosine modification modulates both innate and adaptive immune responses of human respiratory syncytial virus.. <i>PLoS Pathogens</i> , 2021 , 17, e1010142	7.6	2
352	HRD1-mediated METTL14 degradation regulates mA mRNA modification to suppress ER proteotoxic liver disease. <i>Molecular Cell</i> , 2021 ,	17.6	3
351	Novel evidence for mA methylation regulators as prognostic biomarkers and FTO as a potential therapeutic target in gastric cancer. <i>British Journal of Cancer</i> , 2021 ,	8.7	2
350	Aberrant RNA methylation triggers recruitment of an alkylation repair complex. <i>Molecular Cell</i> , 2021 , 81, 4228-4242.e8	17.6	3
349	N -methyladenosine modification of lncRNA Pvt1 governs epidermal stemness. <i>EMBO Journal</i> , 2021 , 40, e106276	13	10
348	N6-methyladenosine modification of HIV-1 RNA suppresses type-I interferon induction in differentiated monocytic cells and primary macrophages. <i>PLoS Pathogens</i> , 2021 , 17, e1009421	7.6	15
347	Autophagy of the mA mRNA demethylase FTO is impaired by low-level arsenic exposure to promote tumorigenesis. <i>Nature Communications</i> , 2021 , 12, 2183	17.4	19

346	QSER1 protects DNA methylation valleys from de novo methylation. <i>Science</i> , 2021 , 372,	33.3	18
345	Nonsegmented Negative-Sense RNA Viruses Utilize -Methyladenosine (mA) as a Common Strategy To Evade Host Innate Immunity. <i>Journal of Virology</i> , 2021 , 95,	6.6	10
344	Post-translational modification of RNA m6A demethylase ALKBH5 regulates ROS-induced DNA damage response. <i>Nucleic Acids Research</i> , 2021 , 49, 5779-5797	20.1	13
343	Multi-cancer detection and tissue of origin determination based on 5-hydroxymethylcytosine biomarkers in circulating cell-free DNA.. <i>Journal of Clinical Oncology</i> , 2021 , 39, 3123-3123	2.2	0
342	5-Hydroxymethylcytosines in circulating cell-free DNA and overall survival in patients with multiple myeloma.. <i>Journal of Clinical Oncology</i> , 2021 , 39, 8032-8032	2.2	0
341	Chromatin and transcriptional regulation by reversible RNA methylation. <i>Current Opinion in Cell Biology</i> , 2021 , 70, 109-115	9	11
340	ALKBH7-mediated demethylation regulates mitochondrial polycistronic RNA processing. <i>Nature Cell Biology</i> , 2021 , 23, 684-691	23.4	10
339	N6-methyladenosine promotes induction of ADAR1-mediated A-to-I RNA editing to suppress aberrant antiviral innate immune responses. <i>PLoS Biology</i> , 2021 , 19, e3001292	9.7	5
338	Decoding the epitranscriptional landscape from native RNA sequences. <i>Nucleic Acids Research</i> , 2021 , 49, e7	20.1	68
337	LEAD-m6A-seq for Locus-Specific Detection of N6-Methyladenosine and Quantification of Differential Methylation. <i>Angewandte Chemie</i> , 2021 , 133, 886-893	3.6	
336	LEAD-m A-seq for Locus-Specific Detection of N -Methyladenosine and Quantification of Differential Methylation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 873-880	16.4	9
335	Remodeling of the mA landscape in the heart reveals few conserved post-transcriptional events underlying cardiomyocyte hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 151, 46-55	5.8	11
334	Alterations of 5-hydroxymethylcytosines in circulating cell-free DNA reflect retinopathy in type 2 diabetes. <i>Genomics</i> , 2021 , 113, 79-87	4.3	5
333	Direct DNA crosslinking with CAP-C uncovers transcription-dependent chromatin organization at high resolution. <i>Nature Biotechnology</i> , 2021 , 39, 225-235	44.5	14
332	m A deposition is regulated by PRMT1-mediated arginine methylation of METTL14 in its disordered C-terminal region. <i>EMBO Journal</i> , 2021 , 40, e106309	13	8
331	Transcriptome-Wide Detection of Internal N-Methylguanosine. <i>Methods in Molecular Biology</i> , 2021 , 2298, 97-104	1.4	1
330	EGFR/SRC/ERK-stabilized YTHDF2 promotes cholesterol dysregulation and invasive growth of glioblastoma. <i>Nature Communications</i> , 2021 , 12, 177	17.4	44
329	5-Hydroxymethylcytosine profiles of cfDNA are highly predictive of R-CHOP treatment response in diffuse large B cell lymphoma patients. <i>Clinical Epigenetics</i> , 2021 , 13, 33	7.7	4

328	Alterations of 5-hydroxymethylation in circulating cell-free DNA reflect molecular distinctions of subtypes of non-Hodgkin lymphoma. <i>Npj Genomic Medicine</i> , 2021 , 6, 11	6.2	3
327	RNA demethylation increases the yield and biomass of rice and potato plants in field trials. <i>Nature Biotechnology</i> , 2021 ,	44.5	20
326	A Critical Role of Nuclear m6A Reader YTHDC1 in Leukemogenesis by Regulating MCM Complex-Mediated DNA Replication. <i>Blood</i> , 2021 ,	2.2	9
325	METTL14 facilitates global genome repair and suppresses skin tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	15
324	Targeting PUS7 suppresses tRNA pseudouridylation and glioblastoma tumorigenesis.. <i>Nature Cancer</i> , 2021 , 2, 932-949	15.4	6
323	Lysine acetylation restricts mutant IDH2 activity to optimize transformation in AML cells. <i>Molecular Cell</i> , 2021 , 81, 3833-3847.e11	17.6	2
322	METTL3 Regulates Liver Homeostasis, Hepatocyte Ploidy, and Circadian Rhythm-Controlled Gene Expression in Mice. <i>American Journal of Pathology</i> , 2021 ,	5.8	4
321	METTL3-dependent RNA mA dysregulation contributes to neurodegeneration in Alzheimer's disease through aberrant cell cycle events. <i>Molecular Neurodegeneration</i> , 2021 , 16, 70	19	15
320	Impact of DNA sequences on DNA opening by the Rad4/XPC nucleotide excision repair complex. <i>DNA Repair</i> , 2021 , 107, 103194	4.3	2
319	An integrative analysis of genome-wide 5-hydroxymethylcytosines in circulating cell-free DNA detects noninvasive diagnostic markers for gliomas. <i>Neuro-Oncology Advances</i> , 2021 , 3, vdab049	0.9	4
318	N6-methyladenosine dynamics in neurodevelopment and aging, and its potential role in Alzheimer's disease. <i>Genome Biology</i> , 2021 , 22, 17	18.3	38
317	m A RNA methylation: from mechanisms to therapeutic potential. <i>EMBO Journal</i> , 2021 , 40, e105977	13	80
316	RNA mA Modification in Cancers: Molecular Mechanisms and Potential Clinical Applications. <i>Innovation(China)</i> , 2020 , 1, 100066	17.8	42
315	RNA Demethylase ALKBH5 Selectively Promotes Tumorigenesis and Cancer Stem Cell Self-Renewal in Acute Myeloid Leukemia. <i>Cell Stem Cell</i> , 2020 , 27, 64-80.e9	18	88
314	N-Deoxyadenosine Methylation in Mammalian Mitochondrial DNA. <i>Molecular Cell</i> , 2020 , 78, 382-395.e8	17.6	66
313	Genetic analyses support the contribution of mRNA N-methyladenosine (mA) modification to human disease heritability. <i>Nature Genetics</i> , 2020 , 52, 939-949	36.3	52
312	A New Model of Spontaneous Colitis in Mice Induced by Deletion of an RNA mA Methyltransferase Component METTL14 in T Cells. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020 , 10, 747-761	7.9	23
311	DNA 5-Methylcytosine-Specific Amplification and Sequencing. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4539-4543	16.4	8

310	5-Hydroxymethylcytosine signatures in circulating cell-free DNA as diagnostic and predictive biomarkers for coronary artery disease. <i>Clinical Epigenetics</i> , 2020 , 12, 17	7.7	7
309	-methyladenosine of chromosome-associated regulatory RNA regulates chromatin state and transcription. <i>Science</i> , 2020 , 367, 580-586	33.3	185
308	Oxidized Derivatives of 5-Methylcytosine Alter the Stability and Dehybridization Dynamics of Duplex DNA. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 1160-1174	3.4	8
307	N-methyladenosine modification enables viral RNA to escape recognition by RNA sensor RIG-I. <i>Nature Microbiology</i> , 2020 , 5, 584-598	26.6	91
306	REPIC: a database for exploring the N-methyladenosine methylome. <i>Genome Biology</i> , 2020 , 21, 100	18.3	33
305	Kethoxal-assisted single-stranded DNA sequencing captures global transcription dynamics and enhancer activity in situ. <i>Nature Methods</i> , 2020 , 17, 515-523	21.6	23
304	A metabolic labeling method detects mA transcriptome-wide at single base resolution. <i>Nature Chemical Biology</i> , 2020 , 16, 887-895	11.7	70
303	Global Detection of RNA Methylation by Click Degradation. <i>ACS Central Science</i> , 2020 , 6, 2126-2129	16.8	
302	Keth-seq for transcriptome-wide RNA structure mapping. <i>Nature Chemical Biology</i> , 2020 , 16, 489-492	11.7	31
301	5-Carboxylcytosine and Cytosine Protonation Distinctly Alter the Stability and Dehybridization Dynamics of the DNA Duplex. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 627-640	3.4	5
300	mA mRNA Methylation Is Essential for Oligodendrocyte Maturation and CNS Myelination. <i>Neuron</i> , 2020 , 105, 293-309.e5	13.9	47
299	Reply to Q: Are the 5-hydroxymethylcytosine-based wd-scores really superior over Eftoprotein for the early diagnosis of hepatocellular carcinoma? <i>Gut</i> , 2020 , 69, 1903-1904	19.2	2
298	An integrated multi-omics approach identifies epigenetic alterations associated with Alzheimer's disease. <i>Nature Genetics</i> , 2020 , 52, 1024-1035	36.3	53
297	N-Adenosine Methylation of Socs1 mRNA Is Required to Sustain the Negative Feedback Control of Macrophage Activation. <i>Developmental Cell</i> , 2020 , 55, 737-753.e7	10.2	14
296	A human tissue map of 5-hydroxymethylcytosines exhibits tissue specificity through gene and enhancer modulation. <i>Nature Communications</i> , 2020 , 11, 6161	17.4	21
295	Stabilization of ERK-Phosphorylated METTL3 by USP5 Increases mA Methylation. <i>Molecular Cell</i> , 2020 , 80, 633-647.e7	17.6	21
294	Control of Early B Cell Development by the RNA N-Methyladenosine Methylation. <i>Cell Reports</i> , 2020 , 31, 107819	10.6	25
293	YTHDF3 Induces the Translation of mA-Enriched Gene Transcripts to Promote Breast Cancer Brain Metastasis. <i>Cancer Cell</i> , 2020 , 38, 857-871.e7	24.3	70

292	Tethering-facilitated DNA opening and complementary roles of Δ hairpin motifs in the Rad4/XPC DNA damage sensor protein. <i>Nucleic Acids Research</i> , 2020 , 48, 12348-12364	20.1	6
291	Upregulation of METTL14 mediates the elevation of PERP mRNA N adenosine methylation promoting the growth and metastasis of pancreatic cancer. <i>Molecular Cancer</i> , 2020 , 19, 130	42.1	62
290	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	11.5	42
289	5-Hydroxymethylcytosine Profiles in Circulating Cell-Free DNA Associate with Disease Burden in Children with Neuroblastoma. <i>Clinical Cancer Research</i> , 2020 , 26, 1309-1317	12.9	11
288	YTHDF2 promotes mitotic entry and is regulated by cell cycle mediators. <i>PLoS Biology</i> , 2020 , 18, e30006647	6.7	24
287	Regulation of Co-transcriptional Pre-mRNA Splicing by mA through the Low-Complexity Protein hnRNPG. <i>Molecular Cell</i> , 2019 , 76, 70-81.e9	17.6	124
286	5-Hydroxymethylcytosines in Circulating Cell-Free DNA Reveal Vascular Complications of Type 2 Diabetes. <i>Clinical Chemistry</i> , 2019 , 65, 1414-1425	5.5	17
285	Evolution of a reverse transcriptase to map N-methyladenosine in human messenger RNA. <i>Nature Methods</i> , 2019 , 16, 1281-1288	21.6	55
284	5-Hydroxymethylcytosine Profiles Are Prognostic of Outcome in Neuroblastoma and Reveal Transcriptional Networks That Correlate With Tumor Phenotype. <i>JCO Precision Oncology</i> , 2019 , 3,	3.6	8
283	mA mRNA demethylase FTO regulates melanoma tumorigenicity and response to anti-PD-1 blockade. <i>Nature Communications</i> , 2019 , 10, 2782	17.4	254
282	Thymine DNA glycosylase recognizes the geometry alteration of minor grooves induced by 5-formylcytosine and 5-carboxylcytosine. <i>Chemical Science</i> , 2019 , 10, 7407-7417	9.4	13
281	Sources of artifact in measurements of 6mA and 4mC abundance in eukaryotic genomic DNA. <i>BMC Genomics</i> , 2019 , 20, 445	4.5	56
280	Jump-seq: Genome-Wide Capture and Amplification of 5-Hydroxymethylcytosine Sites. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8694-8697	16.4	14
279	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda. <i>Nature Communications</i> , 2019 , 10, 2219	17.4	15
278	RNA mA methylation regulates the epithelial mesenchymal transition of cancer cells and translation of Snail. <i>Nature Communications</i> , 2019 , 10, 2065	17.4	234
277	Where, When, and How: Context-Dependent Functions of RNA Methylation Writers, Readers, and Erasers. <i>Molecular Cell</i> , 2019 , 74, 640-650	17.6	511
276	METTL14 is essential for β -cell survival and insulin secretion. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2138-2148	6.9	19
275	Transcriptome-wide Mapping of Internal N-Methylguanosine Methylome in Mammalian mRNA. <i>Molecular Cell</i> , 2019 , 74, 1304-1316.e8	17.6	133

274	Inhibition of Copper Transport Induces Apoptosis in Triple-Negative Breast Cancer Cells and Suppresses Tumor Angiogenesis. <i>Molecular Cancer Therapeutics</i> , 2019 , 18, 873-885	6.1	31
273	Histone H3 trimethylation at lysine 36 guides mA RNA modification co-transcriptionally. <i>Nature</i> , 2019 , 567, 414-419	50.4	232
272	Regulation of Gene Expression by N-methyladenosine in Cancer. <i>Trends in Cell Biology</i> , 2019 , 29, 487-499	18.3	88
271	Cytokine-Regulated Phosphorylation and Activation of TET2 by JAK2 in Hematopoiesis. <i>Cancer Discovery</i> , 2019 , 9, 778-795	24.4	26
270	Anti-tumour immunity controlled through mRNA mA methylation and YTHDF1 in dendritic cells. <i>Nature</i> , 2019 , 566, 270-274	50.4	358
269	mA mRNA Methylation Regulates Human β -Cell Biology in Physiological States and in Type 2 Diabetes. <i>Nature Metabolism</i> , 2019 , 1, 765-774	14.6	73
268	Site-specific mA editing. <i>Nature Chemical Biology</i> , 2019 , 15, 848-849	11.7	12
267	FMRP Modulates Neural Differentiation through mA-Dependent mRNA Nuclear Export. <i>Cell Reports</i> , 2019 , 28, 845-854.e5	10.6	94
266	Detailed modeling of positive selection improves detection of cancer driver genes. <i>Nature Communications</i> , 2019 , 10, 3399	17.4	24
265	Genome-wide mapping of 5-hydroxymethylcytosines in circulating cell-free DNA as a non-invasive approach for early detection of hepatocellular carcinoma. <i>Gut</i> , 2019 , 68, 2195-2205	19.2	99
264	Single-base mapping of mA by an antibody-independent method. <i>Science Advances</i> , 2019 , 5, eaax0250	14.3	128
263	Viral N-methyladenosine upregulates replication and pathogenesis of human respiratory syncytial virus. <i>Nature Communications</i> , 2019 , 10, 4595	17.4	35
262	Prognostic implications of 5-hydroxymethylcytosines from circulating cell-free DNA in diffuse large B-cell lymphoma. <i>Blood Advances</i> , 2019 , 3, 2790-2799	7.8	21
261	YTHDF2 reduction fuels inflammation and vascular abnormalization in hepatocellular carcinoma. <i>Molecular Cancer</i> , 2019 , 18, 163	42.1	113
260	The RNA-binding protein FMRP facilitates the nuclear export of -methyladenosine-containing mRNAs. <i>Journal of Biological Chemistry</i> , 2019 , 294, 19889-19895	5.4	41
259	RADAR: differential analysis of MeRIP-seq data with a random effect model. <i>Genome Biology</i> , 2019 , 20, 294	18.3	16
258	Progress toward liquid biopsies in pediatric solid tumors. <i>Cancer and Metastasis Reviews</i> , 2019 , 38, 553-576	16	14
257	Transcriptome-wide reprogramming of N-methyladenosine modification by the mouse microbiome. <i>Cell Research</i> , 2019 , 29, 167-170	24.7	19

256	Single base resolution mapping of 2QO-methylation sites in human mRNA and in 3Qterminal ends of small RNAs. <i>Methods</i> , 2019 , 156, 85-90	4.6	10
255	mRNA acetylation: a new addition to the epitranscriptome. <i>Cell Research</i> , 2019 , 29, 91-92	24.7	1
254	NMethyladenosine methyltransferase ZCCHC4 mediates ribosomal RNA methylation. <i>Nature Chemical Biology</i> , 2019 , 15, 88-94	11.7	149
253	High-Resolution Mapping of N -Methyladenosine Using mA Crosslinking Immunoprecipitation Sequencing (mA-CLIP-Seq). <i>Methods in Molecular Biology</i> , 2019 , 1870, 69-79	1.4	9
252	N6-methyldeoxyadenine is a transgenerational epigenetic signal for mitochondrial stress adaptation. <i>Nature Cell Biology</i> , 2019 , 21, 319-327	23.4	74
251	VIRMA mediates preferential mA mRNA methylation in 3QTR and near stop codon and associates with alternative polyadenylation. <i>Cell Discovery</i> , 2018 , 4, 10	22.3	332
250	Circulating tumor DNA 5-hydroxymethylcytosine as a novel diagnostic biomarker for esophageal cancer. <i>Cell Research</i> , 2018 , 28, 597-600	24.7	43
249	Recognition of RNA N-methyladenosine by IGF2BP proteins enhances mRNA stability and translation. <i>Nature Cell Biology</i> , 2018 , 20, 285-295	23.4	795
248	TET-mediated epimutagenesis of the Arabidopsis thaliana methylome. <i>Nature Communications</i> , 2018 , 9, 895	17.4	30
247	2QO-methylation in mRNA disrupts tRNA decoding during translation elongation. <i>Nature Structural and Molecular Biology</i> , 2018 , 25, 208-216	17.6	61
246	Phasing Gene Expression: mRNA N-Methyladenosine Regulates Temporal Progression of Mammalian Cortical Neurogenesis. <i>Biochemistry</i> , 2018 , 57, 1055-1056	3.2	2
245	Epitranscriptomic mA Regulation of Axon Regeneration in the Adult Mammalian Nervous System. <i>Neuron</i> , 2018 , 97, 313-325.e6	13.9	171
244	METTL14 Inhibits Hematopoietic Stem/Progenitor Differentiation and Promotes Leukemogenesis via mRNA mA Modification. <i>Cell Stem Cell</i> , 2018 , 22, 191-205.e9	18	476
243	Zc3h13 Regulates Nuclear RNA mA Methylation and Mouse Embryonic Stem Cell Self-Renewal. <i>Molecular Cell</i> , 2018 , 69, 1028-1038.e6	17.6	362
242	RNA cytosine methylation and methyltransferases mediate chromatin organization and 5-azacytidine response and resistance in leukaemia. <i>Nature Communications</i> , 2018 , 9, 1163	17.4	73
241	Suppression of mA reader Ythdf2 promotes hematopoietic stem cell expansion. <i>Cell Research</i> , 2018 , 28, 904-917	24.7	124
240	Ythdf2-mediated mA mRNA clearance modulates neural development in mice. <i>Genome Biology</i> , 2018 , 19, 69	18.3	129
239	mA mRNA methylation regulates AKT activity to promote the proliferation and tumorigenicity of endometrial cancer. <i>Nature Cell Biology</i> , 2018 , 20, 1074-1083	23.4	358

238	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. <i>PLoS Pathogens</i> , 2018 , 14, e1006995	7.6	102
237	OGT binds a conserved C-terminal domain of TET1 to regulate TET1 activity and function in development. <i>ELife</i> , 2018 , 7,	8.9	27
236	m6A facilitates hippocampus-dependent learning and memory through Ythdf1. <i>FASEB Journal</i> , 2018 , 32, 787.6	0.9	0
235	5-Hydroxymethylcytosines of Circulating Cell-Free DNA and Prognosis in Diffuse Large B-Cell Lymphoma. <i>Blood</i> , 2018 , 132, 2985-2985	2.2	
234	R-2HG Exhibits Anti-tumor Activity by Targeting FTO/mA/MYC/CEBPA Signaling. <i>Cell</i> , 2018 , 172, 90-105.e23	5.3	479
233	TET proteins safeguard bivalent promoters from de novo methylation in human embryonic stem cells. <i>Nature Genetics</i> , 2018 , 50, 83-95	36.3	108
232	Our views of dynamic -methyladenosine RNA methylation. <i>Rna</i> , 2018 , 24, 268-272	5.8	35
231	Identifying the mA Methylome by Affinity Purification and Sequencing. <i>Methods in Molecular Biology</i> , 2018 , 1649, 49-57	1.4	8
230	N-methyldeoxyadenosine directs nucleosome positioning in Tetrahymena DNA. <i>Genome Biology</i> , 2018 , 19, 200	18.3	26
229	Circadian Clock Regulation of Hepatic Lipid Metabolism by Modulation of mA mRNA Methylation. <i>Cell Reports</i> , 2018 , 25, 1816-1828.e4	10.6	115
228	A dynamic N-methyladenosine methylome regulates intrinsic and acquired resistance to tyrosine kinase inhibitors. <i>Cell Research</i> , 2018 , 28, 1062-1076	24.7	83
227	RNA modifications modulate gene expression during development. <i>Science</i> , 2018 , 361, 1346-1349	33.3	376
226	Bisulfite-Free, Nanoscale Analysis of 5-Hydroxymethylcytosine at Single Base Resolution. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13190-13194	16.4	42
225	mA facilitates hippocampus-dependent learning and memory through YTHDF1. <i>Nature</i> , 2018 , 563, 249-253.e4	53.4	208
224	Targeted mA Reader Proteins To Study Epitranscriptomic Regulation of Single RNAs. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11974-11981	16.4	60
223	Differential mA, m6A, and m6A Demethylation Mediated by FTO in the Cell Nucleus and Cytoplasm. <i>Molecular Cell</i> , 2018 , 71, 973-985.e5	17.6	289
222	Chemical Modifications in the Life of an mRNA Transcript. <i>Annual Review of Genetics</i> , 2018 , 52, 349-372	14.5	90
221	Mapping and characterizing N6-methyladenine in eukaryotic genomes using single-molecule real-time sequencing. <i>Genome Research</i> , 2018 , 28, 1067-1078	9.7	48

220	Long genes linked to autism spectrum disorders harbor broad enhancer-like chromatin domains. <i>Genome Research</i> , 2018 , 28, 933-942	9.7	17
219	Mettl14 Is Essential for Epitranscriptomic Regulation of Striatal Function and Learning. <i>Neuron</i> , 2018 , 99, 283-292.e5	13.9	71
218	YTHDF3 facilitates translation and decay of N-methyladenosine-modified RNA. <i>Cell Research</i> , 2017 , 27, 315-328	24.7	696
217	Chromate Binding and Removal by the Molybdate-Binding Protein ModA. <i>ChemBioChem</i> , 2017 , 18, 633-638	6	
216	mA-dependent maternal mRNA clearance facilitates zebrafish maternal-to-zygotic transition. <i>Nature</i> , 2017 , 542, 475-478	50.4	293
215	Nm-seq maps 2QO-methylation sites in human mRNA with base precision. <i>Nature Methods</i> , 2017 , 14, 695-698	21.6	146
214	Tet2 loss leads to hypermutagenicity in haematopoietic stem/progenitor cells. <i>Nature Communications</i> , 2017 , 8, 15102	17.4	61
213	Dynamic RNA Modifications in Gene Expression Regulation. <i>Cell</i> , 2017 , 169, 1187-1200	56.2	1250
212	Genome-wide profiling of DNA 5-hydroxymethylcytosine during rat Sertoli cell maturation. <i>Cell Discovery</i> , 2017 , 3, 17013	22.3	6
211	mA 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	24.3	734
210	mA RNA Methylation Regulates the Self-Renewal and Tumorigenesis of Glioblastoma Stem Cells. <i>Cell Reports</i> , 2017 , 18, 2622-2634	10.6	656
209	RNA mA methylation regulates the ultraviolet-induced DNA damage response. <i>Nature</i> , 2017 , 543, 573-576	56.4	449
208	FTO Plays an Oncogenic Role in Acute Myeloid Leukemia as a N-Methyladenosine RNA Demethylase. <i>Cancer Cell</i> , 2017 , 31, 127-141	24.3	736
207	Developing drugs targeting transition metal homeostasis. <i>Current Opinion in Chemical Biology</i> , 2017 , 37, 26-32	9.7	43
206	Evolution of transcript modification by -methyladenosine in primates. <i>Genome Research</i> , 2017 , 27, 385-392	39.7	34
205	The emerging biology of RNA post-transcriptional modifications. <i>RNA Biology</i> , 2017 , 14, 156-163	4.8	119
204	"Gamete On" for mA: YTHDF2 Exerts Essential Functions in Female Fertility. <i>Molecular Cell</i> , 2017 , 67, 903-905	17.6	17
203	Temporal Control of Mammalian Cortical Neurogenesis by mA Methylation. <i>Cell</i> , 2017 , 171, 877-889.e17	56.2	358

202	Epigenetics: Making your mark on DNA. <i>Nature Chemistry</i> , 2017 , 9, 1040-1042	17.6	
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33	Cover Picture: The AlkB Domain of Mammalian ABH8 Catalyzes Hydroxylation of 5-Methoxycarbonylmethyluridine at the Wobble Position of tRNA (Angew. Chem. Int. Ed. 47/2010). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8765-8765	16.4	2
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