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## YTHDC1 mediates nuclear export of N-methyladenosine methylated mRNAs

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634	Mechanism of N-methyladenosine modification and its emerging role in cancer. <b>2018</b> , 189, 173-183		20
633	Structural Insights into N-methyladenosine (m <sup>A</sup> ) Modification in the Transcriptome. <b>2018</b> , 16, 85-98		39
632	RNA epitranscriptomics: Regulation of infection of RNA and DNA viruses by N -methyladenosine (m <sup>A</sup> ). <b>2018</b> , 28, e1983		42
631	The m <sup>A</sup> Reader ECT2 Controls Trichome Morphology by Affecting mRNA Stability in Arabidopsis. <b>2018</b> , 30, 968-985		121
630	Sequence Determinants for Nuclear Retention and Cytoplasmic Export of mRNAs and lncRNAs. <b>2018</b> , 9, 440		39
629	m <sup>A</sup> facilitates hippocampus-dependent learning and memory through YTHDF1. <b>2018</b> , 563, 249-253		208
628	An Elongation- and Ligation-Based qPCR Amplification Method for the Radiolabeling-Free Detection of Locus-Specific N <sup>6</sup> -Methyladenosine Modification. <b>2018</b> , 130, 16227-16232		4
627	An Elongation- and Ligation-Based qPCR Amplification Method for the Radiolabeling-Free Detection of Locus-Specific N -Methyladenosine Modification. <b>2018</b> , 57, 15995-16000		79
626	Plant mRNA decay: extended roles and potential determinants. <b>2018</b> , 45, 178-184		4
625	The m <sup>A</sup> -methylase complex recruits TREX and regulates mRNA export. <b>2018</b> , 8, 13827		50
624	The RNA Epitranscriptome of DNA Viruses. <b>2018</b> , 92,		20
623	Chemical Modifications in the Life of an mRNA Transcript. <b>2018</b> , 52, 349-372		90
622	Aberrant Regulation of mRNA m <sup>A</sup> Modification in Cancer Development. <b>2018</b> , 19,		27
621	Adenosine methylation as a molecular imprint defining the fate of RNA. <b>2018</b> , 592, 2845-2859		26
620	Dynamic transcriptomic m <sup>A</sup> decoration: writers, erasers, readers and functions in RNA metabolism. <b>2018</b> , 28, 616-624		483

619	Identification of YTH Domain-Containing Proteins as the Readers for N1-Methyladenosine in RNA. <b>2018</b> , 90, 6380-6384	88
618	The mA reader protein YTHDC2 interacts with the small ribosomal subunit and the 5'-3' exoribonuclease XRN1. <b>2018</b> , 24, 1339-1350	105
617	Link Between m6A Modification and Cancers. <b>2018</b> , 6, 89	104
616	Emerging Roles of N-Methyladenosine on HIV-1 RNA Metabolism and Viral Replication. <b>2018</b> , 9, 576	13
615	Epitranscriptomics: A New Regulatory Mechanism of Brain Development and Function. <b>2018</b> , 12, 85	18
614	A potentially abundant junctional RNA motif stabilized by mA and Mg. <b>2018</b> , 9, 2761	42
613	mA mRNA methylation regulates AKT activity to promote the proliferation and tumorigenicity of endometrial cancer. <b>2018</b> , 20, 1074-1083	358
612	Critical Enzymatic Functions of FTO in Obesity and Cancer. <b>2018</b> , 9, 396	59
611	Fragile X mental retardation protein modulates the stability of its m6A-marked messenger RNA targets. <b>2018</b> , 27, 3936-3950	89
610	Addition of m6A to SV40 late mRNAs enhances viral structural gene expression and replication. <b>2018</b> , 14, e1006919	80
609	Nuclear m6A reader YTHDC1 regulates alternative polyadenylation and splicing during mouse oocyte development. <b>2018</b> , 14, e1007412	211
608	RNA methylation in nuclear pre-mRNA processing. <b>2018</b> , 9, e1489	24
607	An Epigenetic Spin to ALS and FTD. <b>2018</b> , 20, 1-29	4
606	mA RNA Methylation Controls Neural Development and Is Involved in Human Diseases. <b>2019</b> , 56, 1596-1606	81
605	Small changes, big implications: The impact of mA RNA methylation on gene expression in pluripotency and development. <b>2019</b> , 1862, 194402	22
604	Selection with a Site-Specifically Modified RNA Library Reveals the Binding Preferences of N-Methyladenosine Reader Proteins. <b>2019</b> , 58, 3386-3395	14
603	FMRP Modulates Neural Differentiation through mA-Dependent mRNA Nuclear Export. <b>2019</b> , 28, 845-854.e5	94
602	Marking RNA: m6A writers, readers, and functions in Arabidopsis. <b>2019</b> , 11, 899-910	34

601	Integrated identification of key genes and pathways in Alzheimer's disease via comprehensive bioinformatical analyses. <b>2019</b> , 156, 25	15
600	Sequence-specific mA demethylation in RNA by FTO fused to RCas9. <b>2019</b> , 25, 1311-1323	20
599	Atlas of Subcellular RNA Localization Revealed by APEX-Seq. <b>2019</b> , 178, 473-490.e26	205
598	N-methyladenosine modification of circNSUN2 facilitates cytoplasmic export and stabilizes HMGA2 to promote colorectal liver metastasis. <b>2019</b> , 10, 4695	226
597	The role of mRNA mA methylation in the nervous system. <b>2019</b> , 9, 66	51
596	Reading, writing and erasing mRNA methylation. <b>2019</b> , 20, 608-624	542
595	Readers of the mA epitranscriptomic code. <b>2019</b> , 1862, 329-342	25
594	Eukaryotic Translation Elongation is Modulated by Single Natural Nucleotide Derivatives in the Coding Sequences of mRNAs. <b>2019</b> , 10,	18
593	mA mRNA Destiny: Chained to the rHYTHm by the YTH-Containing Proteins. <b>2019</b> , 10,	21
592	Interplay Between -Methyladenosine (mA) and Non-coding RNAs in Cell Development and Cancer. <b>2019</b> , 7, 116	67
591	Chemical Modifications and Their Role in Long Non-coding RNAs. <b>2019</b> , 35-63	
590	N6-methyladenosine modifications: interactions with novel RNA-binding proteins and roles in signal transduction. <b>2019</b> , 16, 991-1000	30
589	Role of identified RNA N6-methyladenosine methylation in liver. <b>2019</b> , 578, 45-50	16
588	Where, When, and How: Context-Dependent Functions of RNA Methylation Writers, Readers, and Erasers. <b>2019</b> , 74, 640-650	511
587	Detection of N6-methyladenosine modification residues (Review). <b>2019</b> , 43, 2267-2278	24
586	Small-Molecule Targeting of Oncogenic FTO Demethylase in Acute Myeloid Leukemia. <b>2019</b> , 35, 677-691.e10	239
585	RNA modifications regulating cell fate in cancer. <b>2019</b> , 21, 552-559	139
584	The Critical Role of RNA mA Methylation in Cancer. <b>2019</b> , 79, 1285-1292	310

583	N-Methyladenosine and Viral Infection. <b>2019</b> , 10, 417	36
582	Regulation of Gene Expression by N-methyladenosine in Cancer. <b>2019</b> , 29, 487-499	88
581	Endoribonucleolytic Cleavage of mA-Containing RNAs by RNase P/MRP Complex. <b>2019</b> , 74, 494-507.e8	189
580	Dynamic mA mRNA methylation reveals the role of METTL3-mA-CDCP1 signaling axis in chemical carcinogenesis. <b>2019</b> , 38, 4755-4772	91
579	The role of m6A RNA methylation in cancer. <b>2019</b> , 112, 108613	228
578	Subcellular Spatial Transcriptomes: Emerging Frontier for Understanding Gene Regulation. <b>2019</b> , 84, 31-45	3
577	Association of N6-methyladenosine with viruses and related diseases. <b>2019</b> , 16, 133	24
576	mA modification suppresses ocular melanoma through modulating HINT2 mRNA translation. <b>2019</b> , 18, 161	65
575	Nuclear Exosome Targeting Complex Core Factor Zcchc8 Regulates the Degradation of LINE1 RNA in Early Embryos and Embryonic Stem Cells. <b>2019</b> , 29, 2461-2472.e6	13
574	Functions of N6-methyladenosine and its role in cancer. <b>2019</b> , 18, 176	309
573	The mA Dynamics of in Neurogenesis. <b>2019</b> , 10, 987	6
572	N-Methyladenosine: A Novel RNA Imprint in Human Cancer. <b>2019</b> , 9, 1407	15
571	The mA Writer: Rise of a Machine for Growing Tasks. <b>2019</b> , 58, 363-378	70
570	m6A modification of non-coding RNA and the control of mammalian gene expression. <b>2019</b> , 1862, 310-318	68
569	The Biology of mA RNA Methylation in Normal and Malignant Hematopoiesis. <b>2019</b> , 9, 25-33	76
568	mA: Widespread regulatory control in virus replication. <b>2019</b> , 1862, 370-381	24
567	YTHDF2 suppresses cell proliferation and growth via destabilizing the EGFR mRNA in hepatocellular carcinoma. <b>2019</b> , 442, 252-261	148
566	Mapping N -Methyladenosine (m A) in RNA: Established Methods, Remaining Challenges, and Emerging Approaches. <b>2019</b> , 25, 3455-3464	15

565	The mA-methylase complex and mRNA export. <b>2019</b> , 1862, 319-328	23
564	It's complicated—mA-dependent regulation of gene expression in cancer. <b>2019</b> , 1862, 382-393	23
563	Dynamic and reversible RNA N -methyladenosine methylation. <b>2019</b> , 10, e1507	16
562	Reading Chemical Modifications in the Transcriptome. <b>2019</b> , 432, 1824-1824	10
561	Emerging role of m A RNA methylation in nutritional physiology and metabolism. <b>2020</b> , 21, e12942	33
560	Evolution of the RNA -Methyladenosine Methylome Mediated by Genomic Duplication. <b>2020</b> , 182, 345-360	42
559	Recent advances in the detection of base modifications using the Nanopore sequencer. <b>2020</b> , 65, 25-33	45
558	Landscape and Regulation of mA and mAm Methylome across Human and Mouse Tissues. <b>2020</b> , 77, 426-440.e677	
557	New sights in cancer: Component and function of N6-methyladenosine modification. <b>2020</b> , 122, 109694	13
556	N-Methyladenosine: A Potential Breakthrough for Human Cancer. <b>2020</b> , 19, 804-813	23
555	mA mRNA Methylation Is Essential for Oligodendrocyte Maturation and CNS Myelination. <b>2020</b> , 105, 293-309.e5	47
554	Changes in m6A RNA methylation contribute to heart failure progression by modulating translation. <b>2020</b> , 22, 54-66	84
553	YTHDF2 Recognition of N-Methyladenosine (mA)-Modified RNA Is Associated with Transcript Destabilization. <b>2020</b> , 15, 132-139	33
552	The mA epitranscriptome: transcriptome plasticity in brain development and function. <b>2020</b> , 21, 36-51	86
551	The human methyltransferase ZCCHC4 catalyses N6-methyladenosine modification of 28S ribosomal RNA. <b>2020</b> , 48, 830-846	38
550	The Biogenesis and Precise Control of RNA mA Methylation. <b>2020</b> , 36, 44-52	91
549	The Potential Roles of RNA N6-Methyladenosine in Urological Tumors. <b>2020</b> , 8, 579919	11
548	The m6A epitranscriptome opens a new charter in immune system logic. <b>2021</b> , 16, 819-837	4

547	PCB126 Exposure Revealed Alterations in m6A RNA Modifications in Transcripts Associated With AHR Activation. <b>2021</b> , 179, 84-94	4
546	An Emerging Role of m6A in Memory: A Case for Translational Priming. <b>2020</b> , 21,	9
545	Surmounting cancer drug resistance: New insights from the perspective of N-methyladenosine RNA modification. <b>2020</b> , 53, 100720	38
544	New Insights on the Role of -Methyladenosine RNA Methylation in the Physiology and Pathology of the Nervous System. <b>2020</b> , 7, 555372	10
543	mA RNA Methylation in Cardiovascular Diseases. <b>2020</b> , 28, 2111-2119	25
542	Multifaceted Functions and Novel Insight Into the Regulatory Role of RNA N-Methyladenosine Modification in Musculoskeletal Disorders. <b>2020</b> , 8, 870	15
541	The critical roles of m6A modification in metabolic abnormality and cardiovascular diseases. <b>2021</b> , 8, 746-758	7
540	RNA N-Methyladenosine and the Regulation of RNA Localization and Function in the Brain. <b>2020</b> , 43, 1011-1023	15
539	Reversible N6-methyladenosine of RNA: The regulatory mechanisms on gene expression and implications in physiology and pathology. <b>2020</b> , 7, 585-597	8
538	YTHDC1 mitigates ischemic stroke by promoting Akt phosphorylation through destabilizing PTEN mRNA. <b>2020</b> , 11, 977	19
537	RNA methylations in human cancers. <b>2021</b> , 75, 97-115	21
536	Epitranscriptomic(N6-methyladenosine) Modification of Viral RNA and Virus-Host Interactions. <b>2020</b> , 10, 584283	16
535	YTHDF1 Facilitates the Progression of Hepatocellular Carcinoma by Promoting FZD5 mRNA Translation in an m6A-Dependent Manner. <b>2020</b> , 22, 750-765	30
534	Small Molecule-Inducible RNA-Targeting Systems for Temporal Control of RNA Regulation. <b>2020</b> , 6, 1987-1996 <sup>12</sup>	
533	Direct RNA sequencing reveals mA modifications on adenovirus RNA are necessary for efficient splicing. <b>2020</b> , 11, 6016	51
532	The role of mA modification in physiology and disease. <b>2020</b> , 11, 960	41
531	Advances in the profiling of N-methyladenosine (mA) modifications. <b>2020</b> , 45, 107656	18
530	RNA N6-methyladenosine demethylase FTO regulates PD-L1 expression in colon cancer cells. <b>2020</b> , 530, 235-239	19

529	Identification and Characterization of N6-Methyladenosine CircRNAs and Methyltransferases in the Lens Epithelium Cells From Age-Related Cataract. <b>2020</b> , 61, 13	13
528	ALKBH5 suppresses malignancy of hepatocellular carcinoma via mA-guided epigenetic inhibition of LYPD1. <b>2020</b> , 19, 123	69
527	Nuclear export of chimeric mRNAs depends on an lncRNA-triggered autoregulatory loop in blood malignancies. <b>2020</b> , 11, 566	11
526	Critical Roles of -Methyladenosine (mA) in Cancer and Virus Infection. <b>2020</b> , 10,	9
525	YTHDC1 gene polymorphisms and hepatoblastoma susceptibility in Chinese children: A seven-center case-control study. <b>2020</b> , 22, e3249	10
524	Reshaping the role of m6A modification in cancer transcriptome: a review. <b>2020</b> , 20, 353	21
523	Profiling of circular RNA N -methyladenosine in moso bamboo ( <i>Phyllostachys edulis</i> ) using nanopore-based direct RNA sequencing. <b>2020</b> , 62, 1823-1838	14
522	Epigenetic Regulation of Endothelial Cell Function by Nucleic Acid Methylation in Cardiac Homeostasis and Disease. <b>2021</b> , 35, 1025-1044	2
521	Stem cell programs in cancer initiation, progression, and therapy resistance. <b>2020</b> , 10, 8721-8743	46
520	Roles of N6-Methyladenosine (mA) in Stem Cell Fate Decisions and Early Embryonic Development in Mammals. <b>2020</b> , 8, 782	23
519	Insight into mA methylation from occurrence to functions. <b>2020</b> , 10, 200091	7
518	2'-O-Methylation can increase the abundance and lifetime of alternative RNA conformational states. <b>2020</b> , 48, 12365-12379	20
517	Emerging Roles of SRSF3 as a Therapeutic Target for Cancer. <b>2020</b> , 10, 577636	13
516	YTHDF3 Induces the Translation of mA-Enriched Gene Transcripts to Promote Breast Cancer Brain Metastasis. <b>2020</b> , 38, 857-871.e7	70
515	Roles of N -methyladenosine (m A) RNA modifications in urological cancers. <b>2020</b> , 24, 10302-10310	6
514	YTHDF2/3 Are Required for Somatic Reprogramming through Different RNA Deadenylation Pathways. <b>2020</b> , 32, 108120	19
513	Epitranscriptomic regulation by mA RNA methylation in brain development and diseases. <b>2020</b> , 40, 2331-2349	18
512	m6A modification in RNA: biogenesis, functions and roles in gliomas. <b>2020</b> , 39, 192	30



511	m6A RNA Methylation: Ramifications for Gene Expression and Human Health. <b>2020</b> , 62, 467-484	19
510	Roles of METTL3 in cancer: mechanisms and therapeutic targeting. <b>2020</b> , 13, 117	64
509	mA Reader: Epitranscriptome Target Prediction and Functional Characterization of -Methyladenosine (mA) Readers. <b>2020</b> , 8, 741	8
508	Stealing the Show: KSHV Hijacks Host RNA Regulatory Pathways to Promote Infection. <b>2020</b> , 12,	5
507	Strength in Diversity: Nuclear Export of Viral RNAs. <b>2020</b> , 12,	5
506	RNA-protein interaction mapping via MS2- or Cas13-based APEX targeting. <b>2020</b> , 117, 22068-22079	42
505	The Identification of Critical mA RNA Methylation Regulators as Malignant Prognosis Factors in Prostate Adenocarcinoma. <b>2020</b> , 11, 602485	9
504	Deaminase-Independent Mode of Antiretroviral Action in Human and Mouse APOBEC3 Proteins. <b>2020</b> , 8,	3
503	RNA mA Modification in Cancers: Molecular Mechanisms and Potential Clinical Applications. <b>2020</b> , 1, 100066	42
502	mA Editing: New Tool to Improve Crop Quality?. <b>2020</b> , 25, 859-867	9
501	The expanding regulatory mechanisms and cellular functions of circular RNAs. <b>2020</b> , 21, 475-490	318
500	Functional Implications of Active N-Methyladenosine in Plants. <b>2020</b> , 8, 291	12
499	N6-methyladenosine methyltransferase METTL3 affects the phenotype of cerebral arteriovenous malformation via modulating Notch signaling pathway. <b>2020</b> , 27, 62	16
498	The potential role of RNA N6-methyladenosine in Cancer progression. <b>2020</b> , 19, 88	161
497	Modulation of circRNA Metabolism by mA Modification. <b>2020</b> , 31, 107641	84
496	Diverse molecular functions of mA mRNA modification in cancer. <b>2020</b> , 52, 738-749	22
495	Mechanisms of RNA N-Methyladenosine in Hepatocellular Carcinoma: From the Perspectives of Etiology. <b>2020</b> , 10, 1105	11
494	Gene Architecture and Sequence Composition Underpin Selective Dependency of Nuclear Export of Long RNAs on NXF1 and the TREX Complex. <b>2020</b> , 79, 251-267.e6	32

493	Characteristics of circular RNAs generated by human Survival Motor Neuron genes. <b>2020</b> , 73, 109696	7
492	YTHDF2 destabilizes mA-modified neural-specific RNAs to restrain differentiation in induced pluripotent stem cells. <b>2020</b> , 26, 739-755	15
491	Hypoxia Promotes Vascular Smooth Muscle Cell (VSMC) Differentiation of Adipose-Derived Stem Cell (ADSC) by Regulating Mettl3 and Paracrine Factors. <b>2020</b> , 2020, 2830565	27
490	mA Modification in Coding and Non-coding RNAs: Roles and Therapeutic Implications in Cancer. <b>2020</b> , 37, 270-288	275
489	Coordination of mRNA and tRNA methylations by TRMT10A. <b>2020</b> , 117, 7782-7791	17
488	METTL3 Modulates Osteoclast Differentiation and Function by Controlling RNA Stability and Nuclear Export. <b>2020</b> , 21,	23
487	Programmable mA modification of cellular RNAs with a Cas13-directed methyltransferase. <b>2020</b> , 38, 1431-1440	66
486	Genetic analyses support the contribution of mRNA N-methyladenosine (mA) modification to human disease heritability. <b>2020</b> , 52, 939-949	52
485	The emerging roles of N6-methyladenosine RNA methylation in human cancers. <b>2020</b> , 8, 24	13
484	RNA 6-methyladenosine: a promising molecular target in metabolic diseases. <b>2020</b> , 10, 19	12
483	Long non-coding RNAs in development and disease: conservation to mechanisms. <b>2020</b> , 250, 480-495	66
482	GR-mediated FTO transactivation induces lipid accumulation in hepatocytes via demethylation of mA on lipogenic mRNAs. <b>2020</b> , 17, 930-942	16
481	Circular RNAs in Cancer: Biogenesis, Function, and Clinical Significance. <b>2020</b> , 6, 319-336	141
480	The emerging roles of N6-methyladenosine (m6A) deregulation in liver carcinogenesis. <b>2020</b> , 19, 44	94
479	N6-Methyladenosine Regulates the Expression and Secretion of TGF $\beta$ to Affect the Epithelial-Mesenchymal Transition of Cancer Cells. <b>2020</b> , 9,	28
478	A molecular-level perspective on the frequency, distribution, and consequences of messenger RNA modifications. <b>2020</b> , 11, e1586	21
477	REPIC: a database for exploring the N-methyladenosine methylome. <b>2020</b> , 21, 100	33
476	Modification of Adenosine196 by Mettl3 Methyltransferase in the 5'-External Transcribed Spacer of 47S Pre-rRNA Affects rRNA Maturation. <b>2020</b> , 9,	4

475	mA-binding proteins: the emerging crucial performers in epigenetics. <b>2020</b> , 13, 35	73
474	The RNA modification N-methyladenosine as a novel regulator of the immune system. <b>2020</b> , 21, 501-512	111
473	Natural Variation in RNA mA Methylation and Its Relationship with Translational Status. <b>2020</b> , 182, 332-344	32
472	Wilms' tumour 1-associating protein inhibits endothelial cell angiogenesis by m6A-dependent epigenetic silencing of desmoplakin in brain arteriovenous malformation. <b>2020</b> , 24, 4981-4991	21
471	Insights into the N-methyladenosine mechanism and its functionality: progress and questions. <b>2020</b> , 40, 639-652	9
470	Epitranscriptomics in liver disease: Basic concepts and therapeutic potential. <b>2020</b> , 73, 664-679	35
469	The emerging molecular mechanism of mA modulators in tumorigenesis and cancer progression. <b>2020</b> , 127, 110098	22
468	Novel insight into the regulatory roles of diverse RNA modifications: Re-defining the bridge between transcription and translation. <b>2020</b> , 19, 78	38
467	YTHDF2 promotes mitotic entry and is regulated by cell cycle mediators. <b>2020</b> , 18, e3000664	24
466	M6A2Target: a comprehensive database for targets of m6A writers, erasers and readers. <b>2021</b> , 22,	33
465	GC-content biases in protein-coding genes act as an "mRNA identity" feature for nuclear export. <b>2021</b> , 43, e2000197	2
464	Comprehensive analysis of the transcriptome-wide m6A methylome in colorectal cancer by MeRIP sequencing. <b>2021</b> , 16, 425-435	21
463	A functional m A-RNA methylation pathway in the oyster <i>Crassostrea gigas</i> assumes epitranscriptomic regulation of lophotrochozoan development. <b>2021</b> , 288, 1696-1711	1
462	Emerging translation strategies during virus-host interaction. <b>2021</b> , 12, e1619	6
461	Insights into epigenetic patterns in mammalian early embryos. <b>2021</b> , 12, 7-28	26
460	A birds'-eye view of the activity and specificity of the mRNA m A methyltransferase complex. <b>2021</b> , 12, e1618	15
459	Mechanisms of epitranscriptomic gene regulation. <b>2021</b> , 112, e23403	5
458	RNA in cancer. <b>2021</b> , 21, 22-36	279

457	Novel Insights Into the Role of N6-Methyladenosine RNA Modification in Bone Pathophysiology. <b>2021</b> , 30, 17-28	6
456	Aberrant regulation of RNA methylation during spermatogenesis. <b>2021</b> , 56, 3-11	1
455	Transcriptome-wide analysis reveals spatial correlation between N6-methyladenosine and binding sites of microRNAs and RNA-binding proteins. <b>2021</b> , 113, 205-216	4
454	Regulation of RNA N-methyladenosine modification and its emerging roles in skeletal muscle development. <b>2021</b> , 17, 1682-1692	7
453	Regulatory Role of the RNA N-Methyladenosine Modification in Immunoregulatory Cells and Immune-Related Bone Homeostasis Associated With Rheumatoid Arthritis. <b>2020</b> , 8, 627893	5
452	Epitranscriptomic Signatures in Neural Development and Disease. <b>2021</b> , 79-120	
451	Nuclear m6A reader Ythdc1 regulates the scaffold function of LINE1 in mouse ESCs.	1
450	Multifaceted regulation of translation by the epitranscriptomic modification N-methyladenosine. <b>2021</b> , 56, 137-148	5
449	The crosstalk between mA RNA methylation and other epigenetic regulators: a novel perspective in epigenetic remodeling. <b>2021</b> , 11, 4549-4566	13
448	Atomistic and Thermodynamic Analysis of N6-Methyladenosine (mA) Recognition by the Reader Domain of YTHDC1. <b>2021</b> , 17, 1240-1249	4
447	The interplay between m6A modification and non-coding RNA in cancer stemness modulation: mechanisms, signaling pathways, and clinical implications. <b>2021</b> , 17, 2718-2736	2
446	Regulation of Gene Expression Associated With the N6-Methyladenosine (m6A) Enzyme System and Its Significance in Cancer. <b>2020</b> , 10, 623634	8
445	LNCcation: lncRNA localization and function. <b>2021</b> , 220,	80
444	The role of mA, mC and mI RNA modifications in cancer: Novel therapeutic opportunities. <b>2021</b> , 20, 18	60
443	Epitranscriptomic addition of m6A regulates HIV-1 RNA stability and alternative splicing.	
442	N6-Adenosine Methylation (mA) RNA Modification: an Emerging Role in Cardiovascular Diseases. <b>2021</b> , 14, 857-872	6
441	Development and Validation of an m6A RNA Methylation Regulators-Based Signature for Predicting the Prognosis of Adrenocortical Carcinoma. <b>2021</b> , 12, 568397	2
440	A Ten-N-Methyladenosine (mA)-Modified Gene Signature Based on a Risk Score System Predicts Patient Prognosis in Rectum Adenocarcinoma. <b>2020</b> , 10, 567931	5

439	Transcriptome-wide analysis of epitranscriptome and translational efficiency associated with heterosis in maize. <b>2021</b> , 72, 2933-2946	7
438	mA modification patterns and tumor immune landscape in clear cell renal carcinoma. <b>2021</b> , 9,	19
437	Emerging Roles of N6-Methyladenosine (m6A) Epitranscriptomics in Toxicology. <b>2021</b> , 181, 13-22	2
436	The Impact of m6A RNA Modification in Therapy Resistance of Cancer: Implication in Chemotherapy, Radiotherapy, and Immunotherapy. <b>2020</b> , 10, 612337	11
435	The role of m6A modification in the biological functions and diseases. <b>2021</b> , 6, 74	112
434	Methyladenosine Modification in RNAs: Classification and Roles in Gastrointestinal Cancers. <b>2020</b> , 10, 586789	8
433	YTH Domain Proteins: A Family of mA Readers in Cancer Progression. <b>2021</b> , 11, 629560	10
432	A plant-like mechanism coupling m6A reading to polyadenylation safeguards transcriptome integrity and developmental genes partitioning in Toxoplasma.	
431	N-methyladenosine (mA) is an endogenous A3 adenosine receptor ligand. <b>2021</b> , 81, 659-674.e7	11
430	The Important Role of N6-methyladenosine RNA Modification in Non-Small Cell Lung Cancer. <b>2021</b> , 12,	5
429	Expression patterns and prognostic value of m6A RNA methylation regulators in adrenocortical carcinoma. <b>2021</b> , 100, e25031	1
428	RNA methylation in hematological malignancies and its interactions with other epigenetic modifications. <b>2021</b> , 35, 1243-1257	4
427	Comprehensive Analysis of the Prognostic Role and Mutational Characteristics of m6A-Related Genes in Lung Squamous Cell Carcinoma. <b>2021</b> , 9, 661792	23
426	A neural mA/Ythdf pathway is required for learning and memory in Drosophila. <b>2021</b> , 12, 1458	9
425	Deciphering Epitranscriptome: Modification of mRNA Bases Provides a New Perspective for Post-transcriptional Regulation of Gene Expression. <b>2021</b> , 9, 628415	20
424	Roles of RNA Methylation on Tumor Immunity and Clinical Implications. <b>2021</b> , 12, 641507	8
423	N -methyladenosine modification of lncRNA Pvt1 governs epidermal stemness. <b>2021</b> , 40, e106276	10
422	Targeted RNA N -Methyladenosine Demethylation Controls Cell Fate Transition in Human Pluripotent Stem Cells. <b>2021</b> , 8, e2003902	7

421	Emerging Perspectives of RNA -methyladenosine (mA) Modification on Immunity and Autoimmune Diseases. <b>2021</b> , 12, 630358	11
420	A brief review of RNA modification related database resources. <b>2021</b> ,	1
419	The role of RNA -methyladenosine methyltransferase in cancers. <b>2021</b> , 23, 887-896	9
418	N-methyladenosine modification of MALAT1 promotes metastasis via reshaping nuclear speckles. <b>2021</b> , 56, 702-715.e8	19
417	The role of N6-methyladenosine modification in the life cycle and disease pathogenesis of hepatitis B and C viruses. <b>2021</b> , 53, 339-345	6
416	The Emerging Roles of RNA mA Methylation and Demethylation as Critical Regulators of Tumorigenesis, Drug Sensitivity, and Resistance. <b>2021</b> , 81, 3431-3440	20
415	Genetic variants associated mRNA stability in lung.	
414	Epigenetic regulations in mammalian spermatogenesis: RNA-mA modification and beyond. <b>2021</b> , 78, 4893-4905	8
413	The RNA helicase DDX5 promotes viral infection via regulating N6-methyladenosine levels on the DHX58 and NFB transcripts to dampen antiviral innate immunity. <b>2021</b> , 17, e1009530	6
412	Main N6-Methyladenosine Readers: YTH Family Proteins in Cancers. <b>2021</b> , 11, 635329	13
411	Linking the YTH domain to cancer: the importance of YTH family proteins in epigenetics. <b>2021</b> , 12, 346	12
410	Nuclear mA reader YTHDC1 regulates the scaffold function of LINE1 RNA in mouse ESCs and early embryos. <b>2021</b> , 12, 455-474	21
409	The Putative Role of m6A-RNA Methylation in Memory Consolidation. <b>2021</b> , 15, 103-113	
408	Research Progress of Circular RNA in Gastrointestinal Tumors. <b>2021</b> , 11, 665246	3
407	The role of RNA mA methylation in the regulation of postnatal hypoxia-induced pulmonary hypertension. <b>2021</b> , 22, 121	5
406	Epigenetic regulation of mRNA N6-methyladenosine modifications in mammalian gametogenesis. <b>2021</b> , 27,	2
405	N6-methyladenosine-dependent signalling in cancer progression and insights into cancer therapies. <b>2021</b> , 40, 146	15
404	The crucial roles of N-methyladenosine (mA) modification in the carcinogenesis and progression of colorectal cancer. <b>2021</b> , 11, 72	9

403	mRNA modifications in cardiovascular biology and disease: with a focus on m6A modification. <b>2021,</b>	4
402	Role of RNA N6-Methyladenosine Modification in Male Infertility and Genital System Tumors. <b>2021,</b> 9, 676364	3
401	Transcription, mRNA Export, and Immune Evasion Shape the Codon Usage of Viruses. <b>2021,</b> 13,	6
400	N-Methyladenosine mRNA methylation is important for salt stress tolerance in Arabidopsis. <b>2021,</b> 106, 1759-1775	18
399	Functions of RNA N-methyladenosine modification in acute myeloid leukemia. <b>2021,</b> 9, 36	2
398	YTHDC1 gene polymorphisms and Wilms tumor susceptibility in Chinese children: A five-center case-control study. <b>2021,</b> 783, 145571	2
397	Post-Transcriptional Regulation of Viral RNA through Epitranscriptional Modification. <b>2021,</b> 10,	5
396	A single mA modification in U6 snRNA diversifies exon sequence at the 5' splice site. <b>2021,</b> 12, 3244	8
395	mA Modification in Mammalian Nervous System Development, Functions, Disorders, and Injuries. <b>2021,</b> 9, 679662	0
394	OseIF3h Regulates Plant Growth and Pollen Development at Translational Level Presumably through Interaction with OsMTA2. <b>2021,</b> 10,	1
393	Emerging Roles of Wild-type and Mutant IDH1 in Growth, Metabolism and Therapeutics of Glioma. 61-78	1
392	m6A regulators are associated with osteosarcoma metastasis and have prognostic significance: A study based on public databases. <b>2021,</b> 100, e25952	4
391	Regulatory Role of N6-methyladenosine (mA) Modification in Osteosarcoma. <b>2021,</b> 11, 683768	2
390	N-methyladenosine Steers RNA Metabolism and Regulation in Cancer. <b>2021,</b> 41, 538-559	4
389	Emerging Role of m A Methylome in Brain Development: Implications for Neurological Disorders and Potential Treatment. <b>2021,</b> 9, 656849	5
388	The mA-epitranscriptome in brain plasticity, learning and memory. <b>2021,</b>	1
387	RsmD, a Chloroplast rRNA m2G Methyltransferase, Plays a Role in Cold Stress Tolerance by Possibly Affecting Chloroplast Translation in Arabidopsis. <b>2021,</b> 62, 948-958	6
386	The evolving landscape of N-methyladenosine modification in the tumor microenvironment. <b>2021,</b> 29, 1703-1715	18

385	RNA mA modification orchestrates a LINE-1-host interaction that facilitates retrotransposition and contributes to long gene vulnerability. <b>2021</b> , 31, 861-885	10
384	Epigenetic regulation of N6-methyladenosine modifications in obesity. <b>2021</b> , 12, 1306-1315	1
383	Comprehensive Analysis of the Transcriptome-Wide m6A Methylome in Pterygium by MeRIP Sequencing. <b>2021</b> , 9, 670528	1
382	Positive natural selection of N6-methyladenosine on the RNAs of processed pseudogenes. <b>2021</b> , 22, 180	3
381	RNA modifications in hematopoietic malignancies: a new research frontier. <b>2021</b> , 138, 637-648	3
380	From A to mA: The Emerging Viral Epitranscriptome. <b>2021</b> , 13,	7
379	Epitranscriptomic editing of the RNA N6-methyladenosine modification by dCasRx conjugated methyltransferase and demethylase. <b>2021</b> , 49, 7361-7374	15
378	Arhgef2 regulates neural differentiation in the cerebral cortex through mRNA mA-methylation of Npdc1 and Cend1. <b>2021</b> , 24, 102645	1
377	The dynamics of N-methyladenine RNA modification in interactions between rice and plant viruses. <b>2021</b> , 22, 189	8
376	The METTL3-mA Epitranscriptome: Dynamic Regulator of Epithelial Development, Differentiation, and Cancer. <b>2021</b> , 12,	3
375	Epitranscriptomic addition of mA regulates HIV-1 RNA stability and alternative splicing. <b>2021</b> , 35, 992-1004	10
374	Genome-wide identification and characterization of YTH domain-containing genes, encoding the mA readers, and their expression in tomato. <b>2021</b> , 40, 1229-1245	2
373	RNA N6-Methyladenosine Responds to Low-Temperature Stress in Tomato Anthers. <b>2021</b> , 12, 687826	3
372	m A-mediated alternative splicing coupled with nonsense-mediated mRNA decay regulates SAM synthetase homeostasis. <b>2021</b> , 40, e106434	6
371	Long Non-Coding RNA Epigenetics. <b>2021</b> , 22,	8
370	Acute depletion of METTL3 implicates -methyladenosine in alternative intron/exon inclusion in the nascent transcriptome. <b>2021</b> , 31, 1395-1408	1
369	A heat shock-responsive lncRNA acts as a HSF1-directed transcriptional brake via mA modification. <b>2021</b> , 118,	5
368	The RNA Binding Proteins YTHDC1 and FMRP Regulate the Nuclear Export of -Methyladenosine-Modified Hepatitis B Virus Transcripts and Affect the Viral Life Cycle. <b>2021</b> , 95, e0009721	10



367	Chromatin and transcriptional regulation by reversible RNA methylation. <b>2021</b> , 70, 109-115	11
366	Physio-pathological effects of m6A modification and its potential contribution to melanoma. <b>2021</b> , 23, 2269-2279	0
365	Interactions between m6A modification and miRNAs in malignant tumors. <b>2021</b> , 12, 598	7
364	N6-Methyladenosine RNA Modification in Inflammation: Roles, Mechanisms, and Applications. <b>2021</b> , 9, 670711	12
363	Identification and characterization of N6-methyladenosine modification of circRNAs in glioblastoma. <b>2021</b> , 25, 7204-7217	2
362	RNA methylation in mammalian development and cancer. <b>2021</b> , 37, 811-831	7
361	FTO downregulation mediated by hypoxia facilitates colorectal cancer metastasis. <b>2021</b> , 40, 5168-5181	15
360	NAT10-Mediated N4-Acetylcytidine of RNA Contributes to Post-transcriptional Regulation of Mouse Oocyte Maturation. <b>2021</b> , 9, 704341	1
359	The N-methyladenosine modification posttranscriptionally regulates hepatic UGT2B7 expression. <b>2021</b> , 189, 114402	4
358	The Emerging Clinical Application of m6A RNA Modification in Inflammatory Bowel Disease and Its Associated Colorectal Cancer. <b>2021</b> , 14, 3289-3306	5
357	The Regulation Network and Clinical Significance of Circular RNAs in Breast Cancer. <b>2021</b> , 11, 691317	2
356	RNA Methylation in Systemic Lupus Erythematosus. <b>2021</b> , 9, 696559	2
355	m6A Modification: A Double-Edged Sword in Tumor Development. <b>2021</b> , 11, 679367	4
354	The potential role of m6A RNA methylation in diabetic retinopathy. <b>2021</b> , 208, 108616	6
353	N6-Methyladenosine Modification Opens a New Chapter in Circular RNA Biology. <b>2021</b> , 9, 709299	4
352	Programmable System of Cas13-Mediated RNA Modification and Its Biological and Biomedical Applications. <b>2021</b> , 9, 677587	3
351	Current insights into the implications of m6A RNA methylation and autophagy interaction in human diseases. <b>2021</b> , 11, 147	3
350	A Critical Role of Nuclear m6A Reader YTHDC1 in Leukemogenesis by Regulating MCM Complex-Mediated DNA Replication. <b>2021</b> ,	9

349	m6A demethylase ALKBH5 promotes tumor cell proliferation by destabilizing IGF2BPs target genes and worsens the prognosis of patients with non-small cell lung cancer.		
348	N6-Methyladenosine Modification and Its Regulation of Respiratory Viruses. <b>2021</b> , 9, 699997		2
347	A plant-like mechanism coupling m6A reading to polyadenylation safeguards transcriptome integrity and developmental gene partitioning in. <i>ELife</i> , <b>2021</b> , 10,	8.9	3
346	N-Methyladenosine on mRNA facilitates a phase-separated nuclear body that suppresses myeloid leukemic differentiation. <b>2021</b> , 39, 958-972.e8		25
345	Towards a druggable epitranscriptome: Compounds that target RNA modifications in cancer. <b>2021</b> ,		2
344	RNA regulatory mechanisms that control antiviral innate immunity. <b>2021</b> , 304, 77-96		5
343	The Essential Role of Epigenetic Modifications in Neurodegenerative Diseases with Dyskinesia. <b>2021</b> , 1		0
342	N-Methyladenosine in Cancer Immunotherapy: An Undervalued Therapeutic Target. <b>2021</b> , 12, 697026		2
341	RNA mA Modification Plays a Key Role in Maintaining Stem Cell Function in Normal and Malignant Hematopoiesis. <b>2021</b> , 9, 710964		2
340	Exploration of the potential roles of m6A regulators in the uterus in pregnancy and infertility. <b>2021</b> , 146, 103341		1
339	Mechanism of noncoding RNA-associated N-methyladenosine recognition by an RNA processing complex during IgH DNA recombination. <b>2021</b> , 81, 3949-3964.e7		5
338	CircRNAs and their regulatory roles in cancers. <b>2021</b> , 27, 94		11
337	Regulatory role and mechanism of mA RNA modification in human metabolic diseases. <b>2021</b> , 22, 52-63		1
336	Crosstalk between N6-methyladenosine modification and circular RNAs: current understanding and future directions. <b>2021</b> , 20, 121		8
335	Fusaric acid induces hepatic global m6A RNA methylation and differential expression of m6A regulatory genes - a pilot study. <b>2021</b> , 1-9		0
334	Recent technical advances in the study of nucleic acid modifications. <b>2021</b> , 81, 4116-4136		4
333	Epitranscriptomic signatures in stem cell differentiation to the neuronal lineage. <b>2021</b> , 1-11		0
332	N-Methyladenosine RNA Modification: An Emerging Immunotherapeutic Approach to Turning Up Cold Tumors. <b>2021</b> , 9, 736298		1

331	The Role of m6A Ribonucleic Acid Modification in the Occurrence of Atherosclerosis. <b>2021</b> , 12, 733871	2
330	m6A modification of circHPS5 and hepatocellular carcinoma progression through HMGA2 expression. <b>2021</b> , 26, 637-648	8
329	Multiplexed profiling facilitates robust m6A quantification at site, gene and sample resolution. <b>2021</b> , 18, 1060-1067	5
328	The Latest Research Progress of mA Modification and Its Writers, Erasers, Readers in Infertility: A Review. <b>2021</b> , 9, 681238	0
327	RNA N -methyladenosine modification in the lethal teamwork of cancer stem cells and the tumor immune microenvironment: Current landscape and therapeutic potential. <b>2021</b> , 11, e525	4
326	METTL3-dependent MALAT1 delocalization drives c-Myc induction in thymic epithelial tumors. <b>2021</b> , 13, 173	6
325	Decoding mA mRNA methylation by reader proteins in cancer. <b>2021</b> , 518, 256-265	2
324	N6-methyladenosine RNA modification: A promising regulator in central nervous system injury. <b>2021</b> , 345, 113829	2
323	Relevance of N6-methyladenosine regulators for transcriptome: Implications for development and the cardiovascular system. <b>2021</b> , 160, 56-70	1
322	Advances in mRNA 5-methylcytosine modifications: Detection, effectors, biological functions, and clinical relevance. <b>2021</b> , 26, 575-593	5
321	Transcriptome-wide m6A methylation profile reveals regulatory networks in roots of barley under cadmium stress. <b>2022</b> , 423, 127140	4
320	SOCS3/JAK2/STAT3 pathway in iPSCs. <b>2022</b> , 303-317	
319	The Complex Roles and Therapeutic Implications of mA Modifications in Breast Cancer. <b>2020</b> , 8, 615071	4
318	N-methyladenosine (mA) in pancreatic cancer: Regulatory mechanisms and future direction. <b>2021</b> , 17, 2323-2335	3
317	The Role of -Methyladenosine Modified Circular RNA in Pathophysiological Processes. <b>2021</b> , 17, 2262-2277	3
316	The emerging roles of mA modification in liver carcinogenesis. <b>2021</b> , 17, 271-284	11
315	Metabolic Control of mA RNA Modification. <b>2021</b> , 11,	8
314	The comprehensive interactomes of human adenosine RNA methyltransferases and demethylases reveal distinct functional and regulatory features. <b>2021</b> , 49, 10895-10910	3

313	N6-methyladenosine dynamics in neurodevelopment and aging, and its potential role in Alzheimer's disease. <b>2021</b> , 22, 17	38
312	m A RNA methylation: from mechanisms to therapeutic potential. <b>2021</b> , 40, e105977	80
311	It's Not the Destination, It's the Journey: Heterogeneity in mRNA Export Mechanisms. <b>2019</b> , 1203, 33-81	8
310	View from an mRNP: The Roles of SR Proteins in Assembly, Maturation and Turnover. <b>2019</b> , 1203, 83-112	14
309	RNA N -Methyladenosine Modification in Normal and Malignant Hematopoiesis. <b>2019</b> , 1143, 75-93	25
308	Epigenetic processes and DNA repair in embryonic stem cells. <b>2020</b> , 1-23	0
307	Transient N-6-Methyladenosine Transcriptome Sequencing Reveals a Regulatory Role of m6A in Splicing Efficiency. <b>2018</b> , 23, 3429-3437	99
306	mA-binding YTHDF proteins promote stress granule formation. <b>2020</b> , 16, 955-963	67
305	RNA-protein interaction mapping via MS2 or Cas13-based APEX targeting.	2
304	A neural m6A/YTHDF pathway is required for learning and memory in Drosophila.	1
303	2ED-methylation alters the RNA secondary structural ensemble.	1
302	A single N6-methyladenosine site in lncRNA HOTAIR regulates its function in breast cancer cells.	2
301	Epitranscriptomic editing of the RNA N6-methyladenosine modification by dCasRx conjugated methyltransferase and demethylase.	1
300	Atlas of Subcellular RNA Localization Revealed by APEX-seq.	8
299	m6A-binding YTHDF proteins promote stress granule formation by modulating phase separation of stress granule proteins.	6
298	Direct RNA sequencing reveals m6A modifications on adenovirus RNA are necessary for efficient splicing.	6
297	Identification of mA residues at single-nucleotide resolution using eCLIP and an accessible custom analysis pipeline. <b>2021</b> , 27, 527-541	3
296	The mA pathway protects the transcriptome integrity by restricting RNA chimera formation in plants. <b>2019</b> , 2,	29

295	Role of m6A RNA methylation in cardiovascular disease (Review). <b>2020</b> , 46, 1958-1972	56
294	Epitranscriptomic regulation of transcriptome plasticity in development and diseases of the brain. <b>2020</b> , 53, 551-564	2
293	N6-methyladenosine regulates ATM expression and downstream signaling. <b>2021</b> , 12, 7041-7051	1
292	Role of N6-Methyladenosine (mA) Methylation Regulators in Hepatocellular Carcinoma. <b>2021</b> , 11, 755206	5
291	Mycotoxins exacerbate HIV infection: the potential of N-methyladenosine RNA methylation. <b>2021</b> , 13, 1905-1908	
290	mA reader YTHDC1 modulates autophagy by targeting SQSTM1 in diabetic skin. <b>2021</b> , 1-20	9
289	METTL3-mediated mRNA N-methyladenosine is required for oocyte and follicle development in mice. <b>2021</b> , 12, 989	7
288	Modifying the mA brain methylome by ALKBH5-mediated demethylation: a new contender for synaptic tagging. <b>2021</b> ,	0
287	RNA methylation and cancer treatment. <b>2021</b> , 174, 105937	2
286	Histone H1 regulates non-coding RNA turnover on chromatin in a m6A-dependent manner.	
285	Epitranscriptomic modifications in acute myeloid leukemia: mA and 2'-methylation as targets for novel therapeutic strategies. <b>2021</b> , 402, 1531-1546	
284	mA RNA Immunoprecipitation Followed by High-Throughput Sequencing to Map N-Methyladenosine. <b>2022</b> , 2404, 355-362	0
283	LncRNA HCG11 mediated by METTL14 inhibits the growth of lung adenocarcinoma via IGF2BP2/LATS1. <b>2021</b> , 580, 74-80	3
282	Nuclear export of chimeric mRNAs depends on an lncRNA-triggered autoregulatory loop.	
281	The Role of mRNA m6A in Regulation of Gene Expression. <b>2019</b> , 353-376	
280	Landscape and regulation of m6A and m6Am methylome across human and mouse tissues.	
279	REPIC: A database for exploring N6-methyladenosine methylome.	1
278	PCB126 exposure revealed alterations in m6A RNA modifications in transcripts associated with AHR activation.	

- 277 Role of RNA modification in gastrointestinal tumors. **2021**, 29, 1179-1185
- 276 Depletion of m A reader protein YTHDC1 induces dilated cardiomyopathy by abnormal splicing of Titin. **2021**, 25, 10879-10891 6
- 275 Long Non-coding RNAs Diversity in Form and Function: From Microbes to Humans. **2020**, 1-57
- 274 Epigenetics of the Aging Musculoskeletal System. **2020**, 17-28
- 273 m6A Modification in Non-Coding RNA: The Role in Cancer Drug Resistance. **2021**, 11, 746789 4
- 272 Acute depletion of METTL3 identifies a role for N6-methyladenosine in alternative intron/exon inclusion in the nascent transcriptome. 0
- 271 Schizophrenia and autism associated mutations and disrupted m6A signal by YTHDF1 cause defects in microtubule function and neurodevelopment.
- 270 N6-methyladenosine (m6A) is an endogenous A3 adenosine receptor ligand.
- 269 The roles and mechanisms of YTH domain-containing proteins in cancer development and progression. **2020**, 10, 1068-1084 21
- 268 [Research Advances of m6A RNA Methylation in Non-small Cell Lung Cancer]. **2020**, 23, 961-969 0
- 267 The m6A "reader" YTHDF1 promotes osteogenesis of bone marrow mesenchymal stem cells through translational control of ZNF839. **2021**, 12, 1078 3
- 266 N6-Methyladenosine Methylation of mRNA in Cell Senescence. **2021**, 1 0
- 265 The RNA N6-Methyladenosine Demethylase FTO Promotes Head and Neck Squamous Cell Carcinoma Proliferation and Migration by Increasing CTNNB1. **2021**, 14, 8785-8795 1
- 264 Biological function and molecular mechanism of SRSF3 in cancer and beyond. **2022**, 23, 21 0
- 263 Role of Main RNA Methylation in Hepatocellular Carcinoma: N6-Methyladenosine, 5-Methylcytosine, and N1-Methyladenosine.. **2021**, 9, 767668 3
- 262 METTL3 promotes homologous recombination repair and modulates chemotherapeutic response by regulating the EGF/Rad51 axis.
- 261 N6-Methyladenosine Methyltransferase METTL14-Mediated Autophagy in Malignant Development of Oral Squamous Cell Carcinoma.. **2021**, 11, 738406 3
- 260 Novel insights into the interaction between N6-methyladenosine modification and circular RNA.. **2022**, 27, 824-837 0

259	The comprehensive analysis based study of perfluorinated compounds-Environmental explanation of bladder cancer progression. <b>2021</b> , 229, 113059	4
258	Insights into N6-methyladenosine and programmed cell death in cancer.. <b>2022</b> , 21, 32	4
257	Dynamic regulation and functions of mRNA m6A modification.. <b>2022</b> , 22, 48	3
256	CircMET promotes tumor proliferation by enhancing CDKN2A mRNA decay and upregulating SMAD3.. <b>2022</b> , 21, 23	3
255	N6-Methyladenosine Modifications in the Female Reproductive System: Roles in Gonad Development and Diseases.. <b>2022</b> , 18, 771-782	1
254	The Role of N-Methyladenosine (mA) Methylation Modifications in Hematological Malignancies.. <b>2022</b> , 14,	2
253	MiR-451a promotes cell growth, migration and EMT in osteosarcoma by regulating YTHDC1-mediated m6A methylation to activate the AKT/mTOR signaling pathway.. <b>2022</b> , 33, 100412	0
252	Glucose Regulates mA Methylation of RNA in Pancreatic Islets.. <b>2022</b> , 11,	1
251	YTHDC1 regulates distinct post-integration steps of HIV-1 replication and is important for viral infectivity.. <b>2022</b> , 19, 4	0
250	RNA demethylase ALKBH5 in cancer: from mechanisms to therapeutic potential.. <b>2022</b> , 15, 8	2
249	The role of regulators of RNA m6A methylation in lung cancer. <b>2022</b> ,	0
248	Advances in the functional roles of N6-methyladenosine modification in cancer progression: mechanisms and clinical implications.. <b>2022</b> , 1	1
247	DENA: training an authentic neural network model using Nanopore sequencing data of Arabidopsis transcripts for detection and quantification of N-methyladenosine on RNA.. <b>2022</b> , 23, 25	4
246	The N6-Methyladenosine Modification and Its Role in mRNA Metabolism and Gastrointestinal Tract Disease.. <b>2022</b> , 9, 819335	
245	RNA mA methylation regulates the dissemination of cancer cells via modulating expression and membrane localization of Ecatenin.. <b>2022</b> ,	2
244	YTHDF2 Inhibits the Migration and Invasion of Lung Adenocarcinoma by Negatively Regulating the FAM83D-TGFβ-SMAD2/3 Pathway.. <b>2022</b> , 12, 763341	0
243	Interplay Between mA RNA Methylation and Regulation of Metabolism in Cancer.. <b>2022</b> , 10, 813581	0
242	RNA m6A?????????????????. <b>2022</b> ,	

241	Structural effects of m6A modification of the Xist A-repeat AUCG tetraloop and its recognition by YTHDC1.. <b>2022</b> ,	1
240	Function of m 6A and its regulation of domesticated animals' complex traits.. <b>2022</b> ,	0
239	YTHDF3 modulates hematopoietic stem cells by recognizing RNA m6A modification on .. <b>2022</b> ,	0
238	The Reversible Methylation of m6A Is Involved in Plant Virus Infection.. <b>2022</b> , 11,	3
237	Dynamic assembly of the mRNA m6A methyltransferase complex is regulated by METTL3 phase separation.. <b>2022</b> , 20, e3001535	2
236	A-to-I RNA editing and mA modification modulating expression of drug-metabolizing enzymes.. <b>2022</b> ,	0
235	m6A Regulators in Human Adipose Tissue - Depot-Specificity and Correlation With Obesity.. <b>2021</b> , 12, 778875	1
234	Exploring the multifunctionality of SR proteins.. <b>2021</b> ,	1
233	DENA: training an authentic neural network model using Nanopore sequencing data of Arabidopsis transcripts for detection and quantification of N6-methyladenosine on RNA.	2
232	m6A modification: recent advances, anticancer targeted drug discovery and beyond.. <b>2022</b> , 21, 52	6
231	Molecular Characterization of m6A Modifications in Non-Clear Cell Renal Cell Carcinoma and Potential Relationship with Pathological Types.. <b>2022</b> , 15, 1595-1608	
230	m A-mediated regulation of crop development and stress responses.. <b>2022</b> ,	2
229	Driving Chromatin Organisation through N6-methyladenosine Modification of RNA: What Do We Know and What Lies Ahead?. <b>2022</b> , 13,	0
228	Role of N6-methyladenosine modification in pathogenesis of ischemic stroke.. <b>2022</b> ,	0
227	Targeted Manipulation of Cellular RNA mA Methylation at the Single-Base Level.. <b>2022</b> ,	0
226	Characteristics of N6-methyladenosine modification during sexual reproduction of Chlamydomonas reinhardtii.	
225	Data-Independent Acquisition for the Detection of Mononucleoside RNA Modifications by Mass Spectrometry.. <b>2022</b> ,	2
224	RNA N6-Methyladenosine Modifications and Its Roles in Alzheimer's Disease.. <b>2022</b> , 16, 820378	0



223	Multiple roles of mA methylation in epithelial-mesenchymal transition.. <b>2022</b> , 1	0
222	The effect of N6-methyladenosine (m6A) factors on the development of acute respiratory distress syndrome in the mouse model.. <b>2022</b> , 13, 7622-7634	4
221	MdMTA-mediated m A modification enhances drought tolerance by promoting mRNA stability and translation efficiency of genes involved in lignin deposition and oxidative stress.. <b>2022</b> ,	1
220	Genetic Regulation of N6-Methyladenosine-RNA in Mammalian Gametogenesis and Embryonic Development.. <b>2022</b> , 10, 819044	0
219	The importance of m6A topology in chicken embryo mRNA; a precise mapping of m6A at the conserved chicken $\beta$ actin zipcode.	
218	Emerging Roles and Mechanism of m6A Methylation in Cardiometabolic Diseases.. <b>2022</b> , 11,	0
217	m6A hypomethylation of DNMT3B regulated by ALKBH5 promotes intervertebral disc degeneration via E4F1 deficiency.. <b>2022</b> , 12, e765	3
216	N6-methyladenosine modified LINC00901 promotes pancreatic cancer progression through IGF2BP2/MYC axis. <b>2022</b> ,	0
215	Genetic variants associated mRNA stability in lung.. <b>2022</b> , 23, 196	
214	The <i>S. cerevisiae</i> m6A-reader Pho92 impacts meiotic recombination by controlling key methylated transcripts.	0
213	Application of mA and TME in Predicting the Prognosis and Treatment of Clear Cell Renal Cell Carcinoma.. <b>2022</b> , 2022, 2910491	1
212	Insight into the structure, physiological function, and role in cancer of m6A readers-YTH domain-containing proteins.. <b>2022</b> , 8, 137	0
211	Interactions of circRNAs with methylation: An important aspect of circRNA biogenesis and function (Review).. <b>2022</b> , 25,	2
210	MePMe-seq: Antibody-free simultaneous m6A and m5C mapping in mRNA by metabolic propargyl labeling and sequencing.	1
209	The epitranscriptome toolbox.. <b>2022</b> , 185, 764-776	4
208	Oncogenic and tumor-suppressive functions of the RNA demethylase FTO.. <b>2022</b> ,	0
207	Impact of Nutrition on Age-Related Epigenetic RNA Modifications in Rats.. <b>2022</b> , 14,	0
206	The multifaceted effects of YTHDC1-mediated nuclear mA recognition.. <b>2021</b> ,	4

205	mA RNA modification in transcription regulation.. <b>2021</b> , 12, 266-276	2
204	The Status and Prospects of Epigenetics in the Treatment of Lymphoma.. <b>2022</b> , 12, 874645	1
203	The crucial roles of m6A RNA modifications in cutaneous cancers: Implications in pathogenesis, metastasis, drug resistance, and targeted therapies. <b>2022</b> ,	
202	RNA nucleotide methylation: 2021 update.. <b>2021</b> , e1691	1
201	Ticket to divide: m6A reader YTHDC1 drives acute myeloid leukemia proliferation.. <b>2021</b> , 138, 2748-2750	1
200	Regulation of AR mRNA translation in response to acute AR pathway inhibition.. <b>2021</b> ,	1
199	Novel Insights Into the Multifaceted Functions of RNA n-Methyladenosine Modification in Degenerative Musculoskeletal Diseases.. <b>2021</b> , 9, 766020	2
198	METTL3 facilitates hepatic fibrosis progression via m6A-YTHDF2 dependent silencing of GPR161.	0
197	Dysregulated mitochondrial and cytosolic tRNA m1A methylation in Alzheimer's disease.. <b>2021</b> ,	1
196	Modulation of Phase Separation by RNA: A Glimpse on N-Methyladenosine Modification.. <b>2021</b> , 9, 786454	1
195	Low Expression of YTH Domain-Containing 1 Promotes Microglial M1 Polarization by Reducing the Stability of Sirtuin 1 mRNA.. <b>2021</b> , 15, 774305	2
194	YTHDC1-mediated VPS25 regulates cell cycle by targeting JAK-STAT signaling in human glioma cells. <b>2021</b> , 21, 645	1
193	Integrated Study of Transcriptome-wide mA Methylome Reveals Novel Insights Into the Character and Function of mA Methylation During Yak Adipocyte Differentiation.. <b>2021</b> , 9, 689067	1
192	Regulatory Role of N6-Methyladenosine in Longissimus Dorsi Development in Yak.. <b>2022</b> , 9, 757115	1
191	Inducible and reversible RNA N-methyladenosine editing.. <b>2022</b> , 13, 1958	2
190	The role of m6A methylation in osteosarcoma biological processes and its potential clinical value.. <b>2022</b> , 16, 12	0
189	m6A and YTHDF proteins contribute to the localization of select neuronal mRNAs.. <b>2022</b> ,	1
188	The Potential Role of m6A RNA Methylation in the Aging Process and Aging-Associated Diseases.. <b>2022</b> , 13, 869950	2

187	mAcancer-Net: identification of mA-mediated cancer driver genes from gene-site heterogeneous network.. <b>2022</b> ,	0
186	Image_1.pdf. <b>2020</b> ,	
185	Table_1.XLSX. <b>2020</b> ,	
184	Table_2.DOCX. <b>2020</b> ,	
183	The Roles and Regulation of m6A Modification in Glioblastoma Stem Cells and Tumorigenesis. <b>2022</b> , 10, 969	0
182	Multiple Phosphorylations of SR Protein SRSF3 and Its Binding to mA Reader YTHDC1 in Human Cells.. <b>2022</b> , 11,	
181	Role of main RNA modifications in cancer: N-methyladenosine, 5-methylcytosine, and pseudouridine.. <b>2022</b> , 7, 142	2
180	Transcriptome-Wide Analysis of RNA N-Methyladenosine Modification in Adriamycin-Resistant Acute Myeloid Leukemia Cells.. <b>2022</b> , 13, 833694	
179	N6-Methyladenosine RNA Methylation in Cardiovascular Diseases.. <b>2022</b> , 9, 887838	1
178	SRSF9 promotes colorectal cancer progression via stabilizing DSN1 mRNA in an m6A-related manner.. <b>2022</b> , 20, 198	0
177	METTL3 promotes homologous recombination repair and modulates chemotherapeutic response in breast cancer by regulating the EGF/Rad51 axis.. <i>ELife</i> , <b>2022</b> , 11,	8.9 0
176	The crucial mechanism and therapeutic implication of RNA methylation in bone pathophysiology.. <b>2022</b> , 101641	1
175	Characteristics of N-methyladenosine modification during sexual reproduction of <i>Chlamydomonas reinhardtii</i> .. <b>2022</b> ,	0
174	Exploring epitranscriptomics for crop improvement and environmental stress tolerance.. <b>2022</b> , 183, 56-71	0
173	Structure-based design of ligands of the m6A-RNA reader YTHDC1. <b>2022</b> , 100057	0
172	Nanopore-Based Detection of Viral RNA Modifications.. <b>2022</b> , e0370221	0
171	DDX5/METTL3-METTL14/YTHDF2 Axis Regulates Replication of Influenza A Virus.. <b>2022</b> , e0109822	0
170	The m6A methylation regulates gonadal sex differentiation in chicken embryo.. <b>2022</b> , 13, 52	1

169	The importance of N6-methyladenosine modification in tumor immunity and immunotherapy.. <b>2022</b> , 11, 30	0
168	Biogenesis and Regulatory Roles of Circular RNAs. <b>2022</b> , 38,	5
167	The Interaction Between Epigenetic Changes, EMT, and Exosomes in Predicting Metastasis of Colorectal Cancers (CRC). 12,	1
166	M6A regulator expression patterns predict the immune microenvironment and prognosis of non-small cell lung cancer.	
165	The Potential Value of m6A RNA Methylation in the Development of Cancers Focus on Malignant Glioma. <b>2022</b> , 13,	0
164	One Stone, Two Birds: N6-Methyladenosine RNA Modification in Leukemia Stem Cells and the Tumor Immune Microenvironment in Acute Myeloid Leukemia. 13,	
163	Hidden codes in mRNA: Control of gene expression by m6A. <b>2022</b> , 82, 2236-2251	5
162	The Role of m6A RNA Methylation in Cancer: Implication for Nature Products Anti-Cancer Research. 13,	1
161	m6A in the Signal Transduction Network. <b>2022</b> ,	1
160	m6A-Regulator Expression Signatures Identify a Subset of Follicular Lymphoma Harboring an Exhausted Tumor Microenvironment. 13,	0
159	Role of m6A Methylation in the Occurrence and Development of Heart Failure. 9,	0
158	Methylated guanosine and uridine modifications in <i>S. cerevisiae</i> mRNAs modulate translation elongation.	1
157	Discovery of synapse-specific RNA N6-methyladenosine readers associated with the consolidation of fear extinction memory.	
156	Epitranscriptomics Changes the Play: m6A RNA Modifications in Apoptosis. <b>2022</b> ,	0
155	m6A Methylation in Cardiovascular Diseases: From Mechanisms to Therapeutic Potential. 13,	3
154	Novel insights into roles of N6-methyladenosine reader YTHDF2 in cancer progression.	0
153	Research advances of N6 -methyladenosine in diagnosis and therapy of pancreatic cancer.	2
152	RNA N6-Methyladenine Modification, Cellular Reprogramming, and Cancer Stemness. 10,	

151	Progress and application of epitranscriptomic m6A modification in gastric cancer. <b>2022</b> , 19, 885-896	1
150	The role of N6-methyladenosine-modified non-coding RNAs in the pathological process of human cancer. <b>2022</b> , 8,	3
149	N6-methyladenosine and Its Implications in Viruses. <b>2022</b> ,	0
148	Mutual regulation between N6-methyladenosine (m6A) modification and circular RNAs in cancer: impacts on therapeutic resistance. <b>2022</b> , 21,	1
147	METTL14-mediated epitranscriptome modification of MN1 mRNA promote tumorigenicity and all-trans-retinoic acid resistance in osteosarcoma. <b>2022</b> , 82, 104142	1
146	Sequence-specific targeting of RNA. <b>2022</b> , 205, 73-82	0
145	RNA m6A modification orchestrates the rhythm of immune cell development from hematopoietic stem cells to T and B cells. 13,	0
144	The Emerging Role of RNA N6-Methyladenosine Modification in Pancreatic Cancer. 12,	
143	RNA m6A modification and microRNAs. <b>2022</b> , 169-180	
142	The Impact of Epitranscriptomics on Antiviral Innate Immunity. <b>2022</b> , 14, 1666	
141	RNA m6A modification: Mapping methods, roles, and mechanisms in acute myeloid leukemia. <b>2022</b> , 4, 116-124	1
140	Multifaceted Roles of the N6-Methyladenosine RNA Methyltransferase METTL3 in Cancer and Immune Microenvironment. <b>2022</b> , 12, 1042	1
139	Role of m6A writers, erasers and readers in cancer. <b>2022</b> , 11,	0
138	Epitranscriptomic N6-methyladenosine profile of SARS-CoV-2-infected human lung epithelial cells.	
137	High expression of YTHDF1 predicts worse survival of patients with hepatocellular carcinoma within the Milan criteria.	
136	The role, mechanism, and application of RNA methyltransferase METTL14 in gastrointestinal cancer. <b>2022</b> , 21,	1
135	Crosstalk between m6A regulators and mRNA during cancer progression.	0
134	The role of N6-methyladenosine methylation in environmental exposure-induced health damage.	0

- 133 N(6)-methyladenosine modification: A vital role of programmed cell death in myocardial ischemia/reperfusion injury. **2022**, 0
- 132 The *S. cerevisiae* m6A-reader Pho92 promotes timely meiotic recombination by controlling key methylated transcripts. 1
- 131 YTHDC1 is downregulated by the YY1/HDAC2 complex and controls the sensitivity of ccRCC to sunitinib by targeting the ANXA1-MAPK pathway. **2022**, 41, 0
- 130 The Potential Role of m6A in the Regulation of TBI-Induced BGA Dysfunction. **2022**, 11, 1521 1
- 129 FTO promotes clear cell renal cell carcinoma progression via upregulation of PDK1 through an m6A dependent pathway. **2022**, 8, 0
- 128 Research progress of m6A regulation during animal growth and development. **2022**, 101851
- 127 Dysregulation and implications of N6-methyladenosine modification in renal cell carcinoma. Publish Ahead of Print,
- 126 Regulatory role of RNA N6-methyladenosine modifications during skeletal muscle development. 10, 1
- 125 Mechanisms of RNA export and nuclear retention. 0
- 124 Comprehensive analysis of m6A circRNAs identified in colorectal cancer by MeRIP sequencing. 12,
- 123 Physio-pathological effects of N6-methyladenosine and its therapeutic implications in leukemia. **2022**, 10, 0
- 122 Nuclear m6A Reader YTHDC1 Promotes Muscle Stem Cell Activation/Proliferation by Regulating mRNA Splicing and Nuclear Export.
- 121 Role of m6A RNA methylation in the development of hepatitis B virus-associated hepatocellular carcinoma. 0
- 120 Adenosine N6-methylation upregulates the expression of human CYP2B6 by altering the chromatin status. **2022**, 205, 115247 0
- 119 RBM15 condensates modulate m6A modification of STYK1 to promote tumorigenesis. **2022**, 20, 4825-4836 0
- 118 The Role of RNA m6A Modification in Cancer Glycolytic Reprogramming. **2022**, 22, 0
- 117 RNA m6A Modification in Liver Biology and Its Implication in Hepatic Diseases and Carcinogenesis. 0
- 116 DNA damage-induced YTHDC1 O-GlcNAcylation promotes homologous recombination by enhancing N6-methyladenosine binding. 0

115	The Critical Role of RNA m6A Methylation in Gliomas: Targeting the Hallmarks of Cancer.	0
114	The role and regulatory mechanism of m6A methylation in the nervous system. 13,	0
113	Comprehensive analysis of the expression of N6-methyladenosine RNA methylation regulators in pulmonary artery hypertension. 13,	0
112	The role of RNA m6A methylation in lipid metabolism. 13,	1
111	The effects of RNA methylation on immune cells development and function. <b>2022</b> , 36,	0
110	Analysis of N6-Methyladenosine RNA Methylation Regulators in Diagnosis and Distinct Molecular Subtypes of Ankylosing Spondylitis. <b>2022</b> , 2022, 1-23	0
109	N6-methyladenosine modification: A potential regulatory mechanism in spinal cord injury. 16,	0
108	Effects of writers, erasers and readers within miRNA-related m6A modification in cancers.	0
107	Spatiotemporally resolved transcriptomics reveals subcellular RNA kinetic landscape.	0
106	Multilevel regulation of N6-methyladenosine RNA modifications: Implications in tumorigenesis and therapeutic opportunities. <b>2022</b> ,	0
105	Histone H1 regulates non-coding RNA turnover on chromatin in a m6A-dependent manner. <b>2022</b> , 40, 111329	0
104	Nuclear m 6 A reader YTHDC1 suppresses proximal alternative polyadenylation sites by interfering with the 3' processing machinery.	1
103	Epigenetic Dysregulations in Arsenic-Induced Carcinogenesis. <b>2022</b> , 14, 4502	1
102	Targeting RNA N6-methyladenosine modification: a precise weapon in overcoming tumor immune escape. <b>2022</b> , 21,	1
101	The RNA m6A writer WTAP in diseases: structure, roles, and mechanisms. <b>2022</b> , 13,	1
100	Identification and verification of IGFBP3 and YTHDC1 as biomarkers associated with immune infiltration and mitophagy in hypertrophic cardiomyopathy. 13,	0
99	Emerging role of mRNA methylation in regulating the hallmarks of cancer. <b>2022</b> ,	0
98	Biological roles of adenine methylation in RNA.	1

97	m7G regulator-mediated methylation modification patterns define immune cell infiltration and patient survival. 13,	0
96	The function and clinical implication of circular RNAs in lung cancer. 12,	0
95	RNA m 6 A methylation in cancer.	1
94	IGF2BP2 promotes ovarian cancer growth and metastasis via upregulating CKAP2L protein expression in a m6A-dependent manner.	0
93	N1-Methyladenosine Formation, Gene Regulation, Biological Functions, and Clinical Relevance. <b>2022</b> ,	0
92	The Role of m6A Modification and m6A Regulators in Esophageal Cancer. <b>2022</b> , 14, 5139	0
91	N6-methyladenine RNA methylation epigenetic modification and kidney diseases. <b>2022</b> ,	0
90	METTL3 regulates m6A methylation of PTCH1 and GLI2 in Sonic hedgehog signaling to promote tumor progression in SHH-medulloblastoma. <b>2022</b> , 41, 111530	0
89	N6 -methyladenosine functions and its role in skin cancer.	0
88	Modulation of gene expression by YTH domain family (YTHDF) proteins in human physiology and pathology.	1
87	Critical functions of N6-adenosine methylation of mRNAs in T cells. <b>2023</b> , 1870, 119380	0
86	METTL3 promotes colorectal cancer metastasis by promoting the maturation of pri-microRNA-196b.	0
85	Exploring the role of m6A modification in cancer. 2200208	0
84	Role of N6-methyladenosine in the pathogenesis, diagnosis and treatment of pancreatic cancer (Review). <b>2022</b> , 62,	1
83	High expression of YTHDF1 predicts worse survival of patients with hepatocellular carcinoma within the Milan criteria.	0
82	Role of m6A modification in dysregulation of Wnt/ $\beta$ -catenin pathway in cancer. <b>2023</b> , 157, 114023	0
81	Recent Development of Computational Methods in the Field of Epitranscriptomics. <b>2022</b> , 285-309	0
80	Methyltransferase-like 3 modulates visceral hypersensitivity through regulating the nuclear export of circKcnk9 in YTHDC1-dependent manner. <b>2022</b> , 18, 174480692211445	0



79	WTAP dysregulation-mediated HMGN3-m6A modification inhibited trophoblast invasion in early-onset preeclampsia. <b>2022</b> , 36,	1
78	Berberine Regulation of Cellular Oxidative Stress, Apoptosis and Autophagy by Modulation of m6A mRNA Methylation through Targeting the Camk1db/ERK Pathway in Zebrafish-Hepatocytes. <b>2022</b> , 11, 2370	0
77	A single N6-methyladenosine site regulates lncRNA HOTAIR function in breast cancer cells. <b>2022</b> , 20, e3001885	0
76	Biological roles of the RNA m6A modification and its implications in cancer. <b>2022</b> , 54, 1822-1832	1
75	The regulation of m6A related proteins during whole-body freezing of the wood frog, <i>Rana sylvatica</i> .	0
74	The regulatory role of N6-methyladenosine RNA modification in gastric cancer: Molecular mechanisms and potential therapeutic targets. 12,	0
73	N6-Methyladenosine Profile Dynamics Indicates Regulation of Oyster Development by m6A-RNA Epitranscriptomes. <b>2022</b> ,	0
72	C/D box small nucleolar RNA SNORD104 promotes endometrial cancer by regulating the 2'-O-methylation of PARP1. <b>2022</b> , 20,	0
71	RNA modifications in cardiovascular health and disease.	1
70	Biological and pharmacological roles of m6A modifications in cancer drug resistance. <b>2022</b> , 21,	1
69	Dynamic regulation and key roles of ribonucleic acid methylation. 16,	0
68	Analysis approaches for the identification and prediction of N6-methyladenosine sites. 1-24	0
67	RNA-methyltransferase Nsun5 controls the maternal-to-zygotic transition by regulating maternal mRNA stability. <b>2022</b> , 12,	0
66	Global loss of cellular m6A RNA methylation following infection with different SARS-CoV-2 variants.	0
65	Epigenetics in Cancer Biology. <b>2022</b> ,	0
64	Shaping the landscape of N6-methyladenosine RNA methylation in Arabidopsis.	0
63	m6A methylated long noncoding RNA regulates proinflammatory response emerging as novel target for IBD.	0
62	Epitranscriptomic N 6 -Methyladenosine Profile of SARS-CoV-2-Infected Human Lung Epithelial Cells.	0

- 61 RNA N6-methyladenosine methylation and skin diseases. **2023**, 56, ○
- 60 The Repertoire of RNA Modifications Orchestrates a Plethora of Cellular Responses. **2023**, 24, 2387 ○
- 59 scm6A-seq reveals single-cell landscapes of the dynamic m6A during oocyte maturation and early embryonic development. **2023**, 14, ○
- 58 A New Phase of Networking: The Molecular Composition and Regulatory Dynamics of Mammalian Stress Granules. ○
- 57 Methylated guanosine and uridine modifications in *S. cerevisiae* mRNAs modulate translation elongation. ○
- 56 Heterogeneous Nuclear Protein U Degraded the m6A Methylated TRAF3 Transcript by YTHDF2 To Promote Porcine Epidemic Diarrhea Virus Replication. **2023**, 97, ○
- 55 The importance of m6A topology in chicken embryo mRNA; a precise mapping of m6A at the conserved chicken  $\beta$ actin zipcode. rna.079615.123 ○
- 54 RNA N6-methyladenosine modification in female reproductive biology and pathophysiology. **2023**, 21, ○
- 53 Spatiotemporally resolved transcriptomics reveals the subcellular RNA kinetic landscape. ○
- 52 Aberrant RNA m6A modification in gastrointestinal malignancies: versatile regulators of cancer hallmarks and novel therapeutic opportunities. **2023**, 14, ○
- 51 Role of N6-methyladenosine modification in central nervous system diseases and related therapeutic agents. **2023**, 162, 114583 ○
- 50 The emerging importance role of m6A modification in liver disease. **2023**, 162, 114669 ○
- 49 m6A-mediated nonhomologous end joining (NHEJ) pathway regulates senescence in *Brachionus plicatilis* (Rotifera). **2023**, 111, 104994 ○
- 48 The diverse role of RNA methylation in esophageal cancer. **2023**, ○
- 47 Interaction between N6-methyladenosine (m6A) modification and environmental chemical-induced diseases in various organ systems. **2023**, 373, 110376 ○
- 46 The m6A reader YTHDC1 regulates muscle stem cell proliferation via PI4K/Akt/mTOR signalling. ○
- 45 Epi-Drugs Targeting RNA Dynamics in Cancer. **2023**, ○
- 44 The Epigenetic Regulation of RNA N6-Methyladenosine Methylation in Glycolipid Metabolism. **2023**, 13, 273 ○

- 43 FTO negatively regulates the cytotoxic activity of natural killer cells. **2023**, 24, ○
- 42 The epigenetic landscape of oligodendrocyte lineage cells. **2023**, 1522, 24-41 ○
- 41 The Emerging Role of m6A Modification in Endocrine Cancer. **2023**, 15, 1033 ○
- 40 The Effect of N6-Methyladenosine Regulators and m6A Reader YTHDC1-Mediated N6-Methyladenosine Modification Is Involved in Oxidative Stress in Human Aortic Dissection. **2023**, 2023, 1-23 ○
- 39 Novel roles of RNA-binding proteins in drug resistance of breast cancer: from molecular biology to targeting therapeutics. **2023**, 9, ○
- 38 A far red emissive RNA aptamer-fluorophore system for demethylase FTO detection: design and optimization. **2023**, 47, 5238-5243 ○
- 37 Understanding the Epitranscriptome for Avant-Garde Brain Tumour Diagnostics. **2023**, 15, 1232 ○
- 36 m6A Modification Association with Oxidative Stress and Implications on Eye Diseases. **2023**, 12, 510 ○
- 35 m5C-dependent cross-regulation between nuclear reader ALYREF and writer NSUN2 promotes urothelial bladder cancer malignancy through facilitating RABL6/TK1 mRNAs splicing and stabilization. **2023**, 14, ○
- 34 Overview of m6A and circRNAs in human cancers. ○
- 33 Random Forest model reveals the interaction between N6-methyladenosine modifications and RNA-binding proteins. **2023**, 26, 106250 ○
- 32 Emerging roles of m6A RNA modification in cancer therapeutic resistance. **2023**, 12, ○
- 31 Targeting RNA N6-methyladenosine to synergize with immune checkpoint therapy. **2023**, 22, ○
- 30 m6A mRNA modification promotes chilling tolerance and modulates gene translation efficiency in Arabidopsis. ○
- 29 RNA-mediated heterochromatin formation at repetitive elements in mammals. **2023**, 42, ○
- 28 The roles of N6-methyladenosine and its target regulatory noncoding RNAs in tumors: classification, mechanisms, and potential therapeutic implications. **2023**, 55, 487-501 ○
- 27 Reduction of mRNA m6A associates with glucose metabolism via YTHDC1 in human and mice. **2023**, 198, 110607 ○
- 26 SILENCING M6A READER YTHDC1 REDUCES INFLAMMATORY RESPONSE IN SEPSIS-INDUCED CARDIOMYOPATHY BY INHIBITING SERPINA3N EXPRESSION. **2023**, 59, 791-802 ○

- 25 Functional interdependence of N6-methyladenosine methyltransferase complex subunits in Arabidopsis. ○
- 24 Nuclear m6A reader YTHDC1 promotes muscle stem cell activation/proliferation by regulating mRNA splicing and nuclear export. 12, ○
- 23 Transcriptome-Wide Study Revealed That N6-Methyladenosine Participates in Regulation Meat Production in Goats. **2023**, 12, 1159 ○
- 22 Global loss of cellular m6A RNA methylation following infection with different SARS-CoV-2 variants. **2023**, 33, 299-313 ○
- 21 The effects of N6-methyladenosine RNA methylation on the nervous system. ○
- 20 N6-methyladenosine reader YTHDF family in biological processes: Structures, roles, and mechanisms. 14, ○
- 19 YTHDF2 Is Downregulated in Response to Host Shutoff Induced by DNA Virus Infection and Regulates Interferon-Stimulated Gene Expression. **2023**, 97, ○
- 18 The Loss of YTHDC1 in Gut Macrophages Exacerbates Inflammatory Bowel Disease. 2205620 ○
- 17 N6-methyladenosine modifications in maternal-fetal crosstalk and gestational diseases. 11, ○
- 16 Epitranscriptomics in the development, functions, and disorders of cancer stem cells. 13, ○
- 15 N6 - Methyladenosine defines a new checkpoint in T cell development. **2023**, 45, ○
- 14 m6A RNA methylation modification is involved in the disease course of heart failure. 1-15 ○
- 13 Epitranscriptomics in metabolic disease. **2023**, 5, 370-384 ○
- 12 The role of m6A RNA methylation in autoimmune diseases: Novel therapeutic opportunities. **2023**, ○
- 11 Epigenetic and epitranscriptomic regulation of axon regeneration. ○
- 10 RNA demethylase ALKBH5 promotes tumorigenesis of t (8;21) acute myeloid leukemia via ITPA m6A modification. **2023**, 11, ○
- 9 RNA modifications in hematological malignancies. ○
- 8 Potential Roles of m6A and FTO in Synaptic Connectivity and Major Depressive Disorder. **2023**, 24, 6220 ○

- 7 3'-end mRNA processing within apicomplexan parasites, a patchwork of classic, and unexpected players. ○
- 6 Potential genetic therapies based on m6A methylation for skin regeneration: Wound healing and scars/keloids. 11, ○
- 5 Functions of N6-methyladenosine in cancer metabolism: from mechanism to targeted therapy. 2023, 11, ○
- 4 Role of m6A methylation in retinal diseases. 2023, 109489 ○
- 3 m6A modification on the fate of colorectal cancer: functions and mechanisms of cell proliferation and tumorigenesis. 13, ○
- 2 RNA Modification in the Immune System. 2023, 41, 73-98 ○
- 1 Artificially Evolved Superbinder for Specific Recognition of N6-Methyladenine Base Modification in DNA and RNA. 2023, 95, 7071-7075 ○