

Post-transcriptional gene regulation by mRNA modification

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pseudouridine and ⁶ -methyladenosine modifications weaken PUF protein/RNA interactions. <i>Rna</i> , 2017, 23, 611-618.	1.6	50
2	The RNA code comes into focus. <i>Nature</i> , 2017, 542, 503-506.	13.7	12
3	Antibodies specific for nucleic acid modifications. <i>RNA Biology</i> , 2017, 14, 1089-1098.	1.5	29
4	NSUN2-Mediated m ⁵ C Methylation and METTL3/METTL14-Mediated m ⁶ A Methylation Cooperatively Enhance p21 Translation. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2587-2598.	1.2	203
5	5-methylcytosine promotes mRNA export – NSUN2 as the methyltransferase and ALYREF as an m ⁵ C reader. <i>Cell Research</i> , 2017, 27, 606-625.	5.7	666
6	Nm-seq maps 2'-O-methylation sites in human mRNA with base precision. <i>Nature Methods</i> , 2017, 14, 695-698.	9.0	218
7	Incorporation of an epigenetic evaluation into safety assessment: What we first need to know. <i>Current Opinion in Toxicology</i> , 2017, 3, 20-24.	2.6	2
8	m ⁶ A in mRNA: An Ancient Mechanism for Fine-Tuning Gene Expression. <i>Trends in Genetics</i> , 2017, 33, 380-390.	2.9	338
9	Brothers in arms: emerging roles of RNA epigenetics in DNA damage repair. <i>Cell and Bioscience</i> , 2017, 7, 24.	2.1	12
10	Identification of N ⁶ -methyladenosine reader proteins. <i>Methods</i> , 2017, 126, 105-111.	1.9	5
11	Flavin-dependent epitranscriptomic world. <i>Archives of Biochemistry and Biophysics</i> , 2017, 632, 28-40.	1.4	17
12	Circular RNAs: Coding or noncoding?. <i>Cell Research</i> , 2017, 27, 724-725.	5.7	44
13	STAT5 alters the state of transcriptional networks, driving aggressive leukemia. <i>Nature Immunology</i> , 2017, 18, 597-598.	7.0	3
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15	5-methylcytosine mediates nuclear export of mRNA. <i>Cell Research</i> , 2017, 27, 717-719.	5.7	45
16	A fly view on the roles and mechanisms of the m ⁶ A mRNA modification and its players. <i>RNA Biology</i> , 2017, 14, 1232-1240.	1.5	56
17	The Epitranscriptome of Noncoding RNAs in Cancer. <i>Cancer Discovery</i> , 2017, 7, 359-368.	7.7	132
18	Reversible RNA modifications in meiosis and pluripotency. <i>Nature Methods</i> , 2017, 14, 18-22.	9.0	33

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19	Temporal Control of Mammalian Cortical Neurogenesis by m6A Methylation. <i>Cell</i> , 2017, 171, 877-889.e17.	13.5	567
20	Mutations in RNA methylating enzymes in disease. <i>Current Opinion in Chemical Biology</i> , 2017, 41, 20-27.	2.8	18
21	Multifarious Functions of the Fragile X Mental Retardation Protein. <i>Trends in Genetics</i> , 2017, 33, 703-714.	2.9	96
22	Discovering Epimodifications of the Genome, Transcriptome, Proteome, and Metabolome: the Quest for Conquering the Uncharted Epi(c) Territories. <i>Current Pharmacology Reports</i> , 2017, 3, 286-293.	1.5	8
23	The RNA modification landscape in human disease. <i>Rna</i> , 2017, 23, 1754-1769.	1.6	427
24	Synthesis and Multiple Incorporations of 2â€²-O-Methyl-5-Hydroxymethylcytidine, 5-Hydroxymethylcytidine and 5-Formylcytidine Monomers into RNA Oligonucleotides. <i>ChemBioChem</i> , 2017, 18, 2236-2241.	1.3	16
25	Shaping and Reshaping Transcriptome Plasticity during Evolution. <i>Trends in Biochemical Sciences</i> , 2017, 42, 682-684.	3.7	4
26	Post-transcriptional control of gene expression following stress: the role of RNA-binding proteins. <i>Biochemical Society Transactions</i> , 2017, 45, 1007-1014.	1.6	65
27	Adenosine Deaminases That Act on RNA (ADARs). <i>The Enzymes</i> , 2017, 41, 215-268.	0.7	29
28	Mettl3-mediated m6A regulates spermatogonial differentiation and meiosis initiation. <i>Cell Research</i> , 2017, 27, 1100-1114.	5.7	306
29	Ythdc2 is an N6-methyladenosine binding protein that regulates mammalian spermatogenesis. <i>Cell Research</i> , 2017, 27, 1115-1127.	5.7	696
30	Epitranscriptomics and Flowering: mRNA Methylation/Demethylation Regulates Flowering Time. <i>Plant Cell</i> , 2017, 29, 2949-2950.	3.1	11
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32	Fingerprints of Modified RNA Bases from Deep Sequencing Profiles. <i>Journal of the American Chemical Society</i> , 2017, 139, 17074-17081.	6.6	35
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38	Biogenesis and iron-dependency of ribosomal RNA hydroxylation. <i>Nucleic Acids Research</i> , 2017, 45, 12974-12986.	6.5	34
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54	VIRMA mediates preferential m ⁶ A mRNA methylation in 3' UTR and near stop codon and associates with alternative polyadenylation. <i>Cell Discovery</i> , 2018, 4, 10.	3.1	643

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64	Translatome analysis at the egg-to-embryo transition in sea urchin. <i>Nucleic Acids Research</i> , 2018, 46, 4607-4621.	6.5	19
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74	Epitranscriptomic m6A Regulation of Axon Regeneration in the Adult Mammalian Nervous System. <i>Neuron</i> , 2018, 97, 313-325.e6.	3.8	292
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101	AlkAniline-Seq: Profiling of m ⁷ G and m ³ C RNA Modifications at Single Nucleotide Resolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16785-16790.	7.2	119
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112	Dynamic transcriptomic m6A decoration: writers, erasers, readers and functions in RNA metabolism. <i>Cell Research</i> , 2018, 28, 616-624.	5.7	1,045
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125	A Hierarchical Coding Strategy for Live Cell Imaging of Proteinâ€™specific Glycoform. <i>Angewandte Chemie</i> , 2018, 130, 12183-12187.	1.6	15
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129	Commentary: RNA editing with CRISPR-Cas13. <i>Frontiers in Genetics</i> , 2018, 9, 134.	1.1	20
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154	Retinal disease in ciliopathies: Recent advances with a focus on stem cell-based therapies. <i>Translational Science of Rare Diseases</i> , 2019, 4, 97-115.	1.6	22
155	RNAs and RNA-Binding Proteins in Immuno-Metabolic Homeostasis and Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 106.	1.1	20
156	Analysis of the Effects of Cr(VI) Exposure on mRNA Modifications. <i>Chemical Research in Toxicology</i> , 2019, 32, 2078-2085.	1.7	22
157	Determination of RNA Hydroxymethylation in Mammals by Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , 2019, 91, 10477-10483.	3.2	29
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