

Dynamic landscape and regulation of RNA editing in mammals

Nature

550, 249-254

DOI: [10.1038/nature24041](https://doi.org/10.1038/nature24041)

Citation Report

#	ARTICLE	IF	CITATIONS
1	RNA editing with CRISPR-Cas13. <i>Science</i> , 2017, 358, 1019-1027.	6.0	1,301
2	Cracking the regulatory code. <i>Nature</i> , 2017, 550, 190-191.	13.7	18
3	Genetic effects on gene expression across human tissues. <i>Nature</i> , 2017, 550, 204-213.	13.7	3,500
4	Principles of gene regulation across tissues. <i>Nature Reviews Genetics</i> , 2017, 18, 701-701.	7.7	7
5	Rewriting the transcriptome: adenosine-to-inosine RNA editing by ADARs. <i>Genome Biology</i> , 2017, 18, 205.	3.8	161
6	Selective Recognition of RNA Substrates by ADAR Deaminase Domains. <i>Biochemistry</i> , 2018, 57, 1640-1651.	1.2	35
7	Deciphering the Epitranscriptome in Cancer. <i>Trends in Cancer</i> , 2018, 4, 207-221.	3.8	39
8	Warning SINEs: Alu elements, evolution of the human brain, and the spectrum of neurological disease. <i>Chromosome Research</i> , 2018, 26, 93-111.	1.0	55
9	A New Chapter in Genetic Medicine: RNA Editing and its Role in Disease Pathogenesis. <i>Trends in Molecular Medicine</i> , 2018, 24, 294-303.	3.5	35
10	RNA thermosensors: how might animals exploit their regulatory potential?. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	26
11	Single nucleotide variant counts computed from RNA sequencing and cellular traffic into human kidney allografts. <i>American Journal of Transplantation</i> , 2018, 18, 2429-2442.	2.6	11
12	A-to-I RNA editing " immune protector and transcriptome diversifier. <i>Nature Reviews Genetics</i> , 2018, 19, 473-490.	7.7	402
13	Human ADAR1 Prevents Endogenous RNA from Triggering Translational Shutdown. <i>Cell</i> , 2018, 172, 811-824.e14.	13.5	375
14	RNA Editing. <i>Circulation Research</i> , 2018, 122, 399-401.	2.0	25
15	Global Transcriptome Analysis of RNA Abundance Regulation by ADAR in Lung Adenocarcinoma. <i>EBioMedicine</i> , 2018, 27, 167-175.	2.7	23
16	Regulatory RNA Editing Sites in Cancer: Prediction and Beyond. <i>EBioMedicine</i> , 2018, 27, 7-8.	2.7	3
17	Decreased A-to-I RNA editing as a source of keratinocytes' dsRNA in psoriasis. <i>Rna</i> , 2018, 24, 828-840.	1.6	34
18	Genome-wide analysis of consistently RNA edited sites in human blood reveals interactions with mRNA processing genes and suggests correlations with cell types and biological variables. <i>BMC Genomics</i> , 2018, 19, 963.	1.2	8

#	ARTICLE	IF	CITATIONS
19	T time for <sc>ADAR</sc> : <sc>ADAR</sc> 1 is required for T cell self-tolerance. EMBO Reports, 2018, 19, .	2.0	15
20	The Role of RNA Editing in Cancer Development and Metabolic Disorders. Frontiers in Endocrinology, 2018, 9, 762.	1.5	70
21	ADAR3 expression is an independent prognostic factor in lower-grade diffuse gliomas and positively correlated with the editing level of GRIA2Q607R. Cancer Cell International, 2018, 18, 196.	1.8	19
22	Extensive editing of cellular and viral double-stranded RNA structures accounts for innate immunity suppression and the proviral activity of ADAR1p150. PLoS Biology, 2018, 16, e2006577.	2.6	76
23	Organ-wide profiling in mouse reveals high editing levels of Filamin B mRNA in the musculoskeletal system. RNA Biology, 2018, 15, 877-885.	1.5	13
24	ADAR1-mediated RNA-editing of 3'UTRs in breast cancer. Biological Research, 2018, 51, 36.	1.5	39
25	Molecular Basis of Resilience. , 2018, , .		1
26	Active Oxygen Defenses. , 2018, , 195-222.		0
27	RNA editing derived epitopes function as cancer antigens to elicit immune responses. Nature Communications, 2018, 9, 3919.	5.8	120
28	Dawn of Epitranscriptomic Medicine. Circulation Genomic and Precision Medicine, 2018, 11, e001927.	1.6	24
29	All I's on the <sc>RADAR</sc>: role of <sc>ADAR</sc> in gene regulation. FEBS Letters, 2018, 592, 2860-2873.	1.3	31
30	Tissue and exosomal miRNA editing in Non-Small Cell Lung Cancer. Scientific Reports, 2018, 8, 10222.	1.6	38
31	CircNT5E Acts as a Sponge of miR-422a to Promote Glioblastoma Tumorigenesis. Cancer Research, 2018, 78, 4812-4825.	0.4	236
32	Dynamic temperature-sensitive A-to-I RNA editing in the brain of a heterothermic mammal during hibernation. Rna, 2018, 24, 1481-1495.	1.6	31
33	Long Non-coding RNAs in Endothelial Biology. Frontiers in Physiology, 2018, 9, 522.	1.3	24
34	RNA variant identification discrepancy among splice-aware alignment algorithms. PLoS ONE, 2018, 13, e0201822.	1.1	7
35	RNA Editing and Retrotransposons in Neurology. Frontiers in Molecular Neuroscience, 2018, 11, 163.	1.4	22
36	Differential Enzymatic Activity of Rat ADAR2 Splicing Variants Is Due to Altered Capability to Interact with RNA in the Deaminase Domain. Genes, 2018, 9, 79.	1.0	9

#	ARTICLE	IF	CITATIONS
37	Single Cell Multi-Omics Technology: Methodology and Application. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 28.	1.8	130
38	SRSF9 selectively represses ADAR2-mediated editing of brain-specific sites in primates. <i>Nucleic Acids Research</i> , 2018, 46, 7379-7395.	6.5	22
39	Chemical Labeling and Affinity Capture of Inosine-Containing RNAs Using Acrylamidofluorescein. <i>Bioconjugate Chemistry</i> , 2018, 29, 2899-2903.	1.8	26
40	The landscape of the A-to-I RNA editome from 462 human genomes. <i>Scientific Reports</i> , 2018, 8, 12069.	1.6	15
41	Pre-reproductive stress and fluoxetine treatment in rats affect offspring A-to-I RNA editing, gene expression and social behavior. <i>Environmental Epigenetics</i> , 2018, 4, dvy021.	0.9	10
42	Implementation of the CRISPR-Cas13a system in fission yeast and its repurposing for precise RNA editing. <i>Nucleic Acids Research</i> , 2018, 46, e90-e90.	6.5	52
43	RNA Editing Deficiency in Neurodegeneration. <i>Advances in Neurobiology</i> , 2018, 20, 63-83.	1.3	13
44	A high resolution A-to-I editing map in the mouse identifies editing events controlled by pre-mRNA splicing. <i>Genome Research</i> , 2019, 29, 1453-1463.	2.4	90
45	ADAR1 promotes the epithelial-to-mesenchymal transition and stem-like cell phenotype of oral cancer by facilitating oncogenic microRNA maturation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 315.	3.5	35
46	Programmable RNA editing by recruiting endogenous ADAR using engineered RNAs. <i>Nature Biotechnology</i> , 2019, 37, 1059-1069.	9.4	168
47	Multi-level remodeling of transcriptional landscapes in aging and longevity. <i>BMB Reports</i> , 2019, 52, 86-108.	1.1	42
48	Inosine RNA modifications are enriched at the codon wobble position in mouse oocytes and eggs. <i>Biology of Reproduction</i> , 2019, 101, 938-949.	1.2	8
49	Developmental atlas of the RNA editome in <i>Sus scrofa</i> skeletal muscle. <i>DNA Research</i> , 2019, 26, 261-272.	1.5	19
50	mountainClimber Identifies Alternative Transcription Start and Polyadenylation Sites in RNA-Seq. <i>Cell Systems</i> , 2019, 9, 393-400.e6.	2.9	15
51	Adenosine-to-Inosine RNA Editing in Mouse and Human Brain Proteomes. <i>Proteomics</i> , 2019, 19, 1900195.	1.3	17
52	A-to-I RNA editing contributes to the persistence of predicted damaging mutations in populations. <i>Genome Research</i> , 2019, 29, 1766-1776.	2.4	5
53	DESE: estimating driver tissues by selective expression of genes associated with complex diseases or traits. <i>Genome Biology</i> , 2019, 20, 233.	3.8	15
54	The Editor's I on Disease Development. <i>Trends in Genetics</i> , 2019, 35, 903-913.	2.9	42

#	ARTICLE	IF	CITATIONS
55	Genome-wide quantification of ADAR adenosine-to-inosine RNA editing activity. <i>Nature Methods</i> , 2019, 16, 1131-1138.	9.0	126
56	Global landscape and genetic regulation of RNA editing in cortical samples from individuals with schizophrenia. <i>Nature Neuroscience</i> , 2019, 22, 1402-1412.	7.1	63
57	Peripheral blood DNA methylation differences in twin pairs discordant for Alzheimer's disease. <i>Clinical Epigenetics</i> , 2019, 11, 130.	1.8	29
58	Identification of Adenosine-to-Inosine RNA Editing with Acrylonitrile Reagents. <i>Organic Letters</i> , 2019, 21, 7948-7951.	2.4	15
59	RNA editing in the forefront of epitranscriptomics and human health. <i>Journal of Translational Medicine</i> , 2019, 17, 319.	1.8	86
60	RNA binding candidates for human ADAR3 from substrates of a gain of function mutant expressed in neuronal cells. <i>Nucleic Acids Research</i> , 2019, 47, 10801-10814.	6.5	17
61	Double-Stranded RNA Sensors and Modulators in Innate Immunity. <i>Annual Review of Immunology</i> , 2019, 37, 349-375.	9.5	249
62	Oncogenic Hijacking of the PIN1 Signaling Network. <i>Frontiers in Oncology</i> , 2019, 9, 94.	1.3	21
63	The next generation of CRISPR-Cas technologies and applications. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 490-507.	16.1	957
64	Genome-Wide Investigation and Functional Analysis of <i>Sus scrofa</i> RNA Editing Sites across Eleven Tissues. <i>Genes</i> , 2019, 10, 327.	1.0	12
65	The Yin and Yang of RNA Methylation: An Imbalance of Erasers Enhances Sensitivity to FTO Demethylase Small-Molecule Targeting in Leukemia Stem Cells. <i>Cancer Cell</i> , 2019, 35, 540-541.	7.7	16
66	Getting a hold on cytosine methylation in mRNA. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 339-340.	3.6	7
67	Genome-wide identification of mRNA 5-methylcytosine in mammals. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 380-388.	3.6	176
68	Adenosine-to-Inosine RNA Editing Within Corticolimbic Brain Regions Is Regulated in Response to Chronic Social Defeat Stress in Mice. <i>Frontiers in Psychiatry</i> , 2019, 10, 277.	1.3	15
69	Using mouse models to unlock the secrets of non-synonymous RNA editing. <i>Methods</i> , 2019, 156, 40-45.	1.9	12
70	ADAR1: A New Target for Immuno-oncology Therapy. <i>Molecular Cell</i> , 2019, 73, 866-868.	4.5	46
71	Mapping the dsRNA World. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035352.	2.3	39
72	Genome-wide identification of RNA editing in seven porcine tissues by matched DNA and RNA high-throughput sequencing. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 24.	2.1	17

#	ARTICLE	IF	CITATIONS
73	Genomic Positional Dissection of RNA Editomes in Tumor and Normal Samples. <i>Frontiers in Genetics</i> , 2019, 10, 211.	1.1	19
74	RNA editing is abundant and correlates with task performance in a social bumblebee. <i>Nature Communications</i> , 2019, 10, 1605.	5.8	57
75	ADAR2 mislocalization and widespread RNA editing aberrations in C9orf72-mediated ALS/FTD. <i>Acta Neuropathologica</i> , 2019, 138, 49-65.	3.9	48
76	RNA-Guided Adenosine Deaminases: Advances and Challenges for Therapeutic RNA Editing. <i>Biochemistry</i> , 2019, 58, 1947-1957.	1.2	19
77	ADAR1 promotes robust hypoxia signaling via distinct regulation of multiple HIF-1 α inhibiting factors. <i>EMBO Reports</i> , 2019, 20, .	2.0	13
78	Biology of RNA Surveillance in Development and Disease. <i>Trends in Cell Biology</i> , 2019, 29, 428-445.	3.6	17
79	Dynamic inosinome profiles reveal novel patient stratification and gender-specific differences in glioblastoma. <i>Genome Biology</i> , 2019, 20, 33.	3.8	49
80	Conserved functions of RNA-binding proteins in muscle. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 110, 29-49.	1.2	19
81	Adenosine deaminase acting on RNA (ADAR1), a suppressor of double-stranded RNA-triggered innate immune responses. <i>Journal of Biological Chemistry</i> , 2019, 294, 1710-1720.	1.6	118
82	RNA Editing. , 2019, , .		2
83	Pervasive Inter-Individual Variation in Allele-Specific Expression in Monozygotic Twins. <i>Frontiers in Genetics</i> , 2019, 10, 1178.	1.1	8
84	The somatic mutation landscape of the human body. <i>Genome Biology</i> , 2019, 20, 298.	3.8	84
85	Defining the functions of adenosine-to-inosine RNA editing through hematology. <i>Current Opinion in Hematology</i> , 2019, 26, 241-248.	1.2	6
86	The majority of A-to-I RNA editing is not required for mammalian homeostasis. <i>Genome Biology</i> , 2019, 20, 268.	3.8	68
87	Critical review on engineering deaminases for site-directed RNA editing. <i>Current Opinion in Biotechnology</i> , 2019, 55, 74-80.	3.3	44
88	A Balancing Act: MDA5 in Antiviral Immunity and Autoinflammation. <i>Trends in Microbiology</i> , 2019, 27, 75-85.	3.5	178
89	Hyper-Editing of Cell-Cycle Regulatory and Tumor Suppressor RNA Promotes Malignant Progenitor Propagation. <i>Cancer Cell</i> , 2019, 35, 81-94.e7.	7.7	64
90	RNA-Mediated Disease Mechanisms in Neurodegenerative Disorders. <i>Journal of Molecular Biology</i> , 2019, 431, 1780-1791.	2.0	22

#	ARTICLE	IF	CITATIONS
91	ADAR2-dependent A-to-I RNA editing in the extracellular linear and circular RNAs. <i>Neuroscience Research</i> , 2019, 147, 48-57.	1.0	15
92	Computational approaches for detection and quantification of A-to-I RNA-editing. <i>Methods</i> , 2019, 156, 25-31.	1.9	28
93	ncRNA Editing: Functional Characterization and Computational Resources. <i>Methods in Molecular Biology</i> , 2019, 1912, 133-174.	0.4	20
94	Regulation of RNA editing by RNA-binding proteins in human cells. <i>Communications Biology</i> , 2019, 2, 19.	2.0	97
95	ADAR RNA editing in innate immune response phasing, in circadian clocks and in sleep. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2019, 1862, 356-369.	0.9	20
96	A-to-I mRNA editing in fungi: occurrence, function, and evolution. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 329-340.	2.4	47
97	Reading Chemical Modifications in the Transcriptome. <i>Journal of Molecular Biology</i> , 2020, 432, 1824-1839.	2.0	18
98	Increased adenosine-to-inosine RNA editing in rheumatoid arthritis. <i>Journal of Autoimmunity</i> , 2020, 106, 102329.	3.0	51
99	Landscape and Regulation of m6A and m6Am Methylome across Human and Mouse Tissues. <i>Molecular Cell</i> , 2020, 77, 426-440.e6.	4.5	179
100	Adenosine-to-Inosine Editing of Vasoactive MicroRNAs Alters Their Targetome and Function in Ischemia. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 21, 932-953.	2.3	34
101	In Vivo Repair of a Protein Underlying a Neurological Disorder by Programmable RNA Editing. <i>Cell Reports</i> , 2020, 32, 107878.	2.9	44
102	Non-Coding RNA Editing in Cancer Pathogenesis. <i>Cancers</i> , 2020, 12, 1845.	1.7	16
103	ADAD1 and ADAD2, testis-specific adenosine deaminase domain-containing proteins, are required for male fertility. <i>Scientific Reports</i> , 2020, 10, 11536.	1.6	35
104	Zinc Finger RNA-Binding Protein Zn72D Regulates ADAR-Mediated RNA Editing in Neurons. <i>Cell Reports</i> , 2020, 31, 107654.	2.9	20
105	Identification of genetic variants controlling RNA editing and their effect on RNA structure stabilization. <i>European Journal of Human Genetics</i> , 2020, 28, 1753-1762.	1.4	5
106	EndoVIPER-seq for Improved Detection of A-to-I Editing Sites in Cellular RNA. <i>Current Protocols in Chemical Biology</i> , 2020, 12, e82.	1.7	7
107	MicroRNAs in Skeletal Muscle and Hints on Their Potential Role in Muscle Wasting During Cancer Cachexia. <i>Frontiers in Oncology</i> , 2020, 10, 607196.	1.3	15
108	Small Molecule-Inducible RNA-Targeting Systems for Temporal Control of RNA Regulation. <i>ACS Central Science</i> , 2020, 6, 1987-1996.	5.3	27

#	ARTICLE	IF	CITATIONS
109	Human A-to-I RNA editing SNP loci are enriched in GWAS signals for autoimmune diseases and under balancing selection. <i>Genome Biology</i> , 2020, 21, 288.	3.8	10
110	The ADAR Family in <i>Amphioxus</i> : RNA Editing and Conserved Orthologous Site Predictions. <i>Genes</i> , 2020, 11, 1440.	1.0	5
111	Evolution of a Human-Specific Tandem Repeat Associated with ALS. <i>American Journal of Human Genetics</i> , 2020, 107, 445-460.	2.6	39
112	RNA Editing and Modifications in Mood Disorders. <i>Genes</i> , 2020, 11, 872.	1.0	18
113	ADAR-deficiency perturbs the global splicing landscape in mouse tissues. <i>Genome Research</i> , 2020, 30, 1107-1118.	2.4	32
114	Biallelic variants in <i>ADARB1</i> , encoding a dsRNA-specific adenosine deaminase, cause a severe developmental and epileptic encephalopathy. <i>Journal of Medical Genetics</i> , 2021, 58, 495-504.	1.5	14
115	Sex-Dependent RNA Editing and N6-adenosine RNA Methylation Profiling in the Gonads of a Fish, the Olive Flounder (<i>Paralichthys olivaceus</i>). <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 751.	1.8	13
116	The Development and Application of a Base Editor in Biomedicine. <i>BioMed Research International</i> , 2020, 2020, 1-12.	0.9	2
117	Increased RNA editing in maternal immune activation model of neurodevelopmental disease. <i>Nature Communications</i> , 2020, 11, 5236.	5.8	24
118	RNA editing in cancer impacts mRNA abundance in immune response pathways. <i>Genome Biology</i> , 2020, 21, 268.	3.8	27
119	Evolutionary Biology – A Transdisciplinary Approach. , 2020, , .		5
120	What do editors do? Understanding the physiological functions of A-to-I RNA editing by adenosine deaminase acting on RNAs. <i>Open Biology</i> , 2020, 10, 200085.	1.5	31
121	Systematic analysis reveals cis and trans determinants affecting C-to-U RNA editing in <i>Arabidopsis thaliana</i> . <i>BMC Genetics</i> , 2020, 21, 98.	2.7	15
122	Developmental stage-specific A-to-I editing pattern in the postnatal pineal gland of pigs (<i>Sus scrofa</i>). <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 90.	2.1	6
123	Processing of <i>Alu</i> small RNAs by DICER/ADAR1 complexes and their RNAi targets. <i>Rna</i> , 2020, 26, 1801-1814.	1.6	10
124	Genome-Wide Identification of RNA Editing Sites Affecting Intramuscular Fat in Pigs. <i>Animals</i> , 2020, 10, 1616.	1.0	7
125	Evaluation of Engineered CRISPR-Cas-Mediated Systems for Site-Specific RNA Editing. <i>Cell Reports</i> , 2020, 33, 108350.	2.9	25
126	ADAR2 Is Involved in Self and Nonself Recognition of Borna Disease Virus Genomic RNA in the Nucleus. <i>Journal of Virology</i> , 2020, 94, .	1.5	15

#	ARTICLE	IF	CITATIONS
127	The cell line A-to-I RNA editing catalogue. <i>Nucleic Acids Research</i> , 2020, 48, 5849-5858.	6.5	47
128	Chemical Profiling of A-to-I RNA Editing Using a Click-Compatible Phenylacrylamide. <i>Chemistry - A European Journal</i> , 2020, 26, 9874-9878.	1.7	13
129	RNA Editing Alters miRNA Function in Chronic Lymphocytic Leukemia. <i>Cancers</i> , 2020, 12, 1159.	1.7	11
130	The rate and spectrum of mosaic mutations during embryogenesis revealed by RNA sequencing of 49 tissues. <i>Genome Medicine</i> , 2020, 12, 49.	3.6	25
131	Differential regulation of the immune system in a brain-liver-fats organ network during short-term fasting. <i>Molecular Metabolism</i> , 2020, 40, 101038.	3.0	7
132	Emerging Roles of RNA 5'-end Cleavage and Polyadenylation in Pathogenesis, Diagnosis and Therapy of Human Disorders. <i>Biomolecules</i> , 2020, 10, 915.	1.8	46
133	ADAR1 Regulates Early T Cell Development via MDA5-Dependent and -Independent Pathways. <i>Journal of Immunology</i> , 2020, 204, 2156-2168.	0.4	17
134	irCLASH reveals RNA substrates recognized by human ADARs. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 351-362.	3.6	36
135	Spatially regulated editing of genetic information within a neuron. <i>Nucleic Acids Research</i> , 2020, 48, 3999-4012.	6.5	20
136	Quantifying RNA Editing in Deep Transcriptome Datasets. <i>Frontiers in Genetics</i> , 2020, 11, 194.	1.1	27
137	Adar RNA editing-dependent and -independent effects are required for brain and innate immune functions in <i>Drosophila</i> . <i>Nature Communications</i> , 2020, 11, 1580.	5.8	39
138	Unbiased Identification of trans Regulators of ADAR and A-to-I RNA Editing. <i>Cell Reports</i> , 2020, 31, 107656.	2.9	41
139	Suppression of adenosine-to-inosine (A-to-I) RNA editome by death associated protein 3 (DAP3) promotes cancer progression. <i>Science Advances</i> , 2020, 6, eaba5136.	4.7	29
140	A comparative analysis of ADAR mutant mice reveals site-specific regulation of RNA editing. <i>Rna</i> , 2020, 26, 454-469.	1.6	38
141	Selective Enrichment of A-to-I Edited Transcripts from Cellular RNA Using Endonuclease V. <i>Journal of the American Chemical Society</i> , 2020, 142, 5241-5251.	6.6	30
142	A Multi-Omics Perspective of Quantitative Trait Loci in Precision Medicine. <i>Trends in Genetics</i> , 2020, 36, 318-336.	2.9	41
143	Androgen receptor-regulated circ FNTA activates KRAS signaling to promote bladder cancer invasion. <i>EMBO Reports</i> , 2020, 21, e48467.	2.0	60
144	ADAR1 mediated regulation of neural crest derived melanocytes and Schwann cell development. <i>Nature Communications</i> , 2020, 11, 198.	5.8	30

#	ARTICLE	IF	CITATIONS
145	Spatiotemporal mapping of RNA editing in the developing mouse brain using in situ sequencing reveals regional and cell-type-specific regulation. <i>BMC Biology</i> , 2020, 18, 6.	1.7	28
146	Investigating RNA editing in deep transcriptome datasets with REDIttools and REDlportal. <i>Nature Protocols</i> , 2020, 15, 1098-1131.	5.5	94
147	RNA Editing as a Therapeutic Approach for Retinal Gene Therapy Requiring Long Coding Sequences. <i>International Journal of Molecular Sciences</i> , 2020, 21, 777.	1.8	46
148	Adenosine-to-inosine RNA editing in the immune system: friend or foe?. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2931-2948.	2.4	31
149	Signals, epigenetics, regulation of gene expression. , 2020, , 109-138.		0
150	Post-Transcriptional Regulation of Homeostatic, Stressed, and Malignant Stem Cells. <i>Cell Stem Cell</i> , 2020, 26, 138-159.	5.2	54
151	Bi-allelic ADARB1 Variants Associated with Microcephaly, Intellectual Disability, and Seizures. <i>American Journal of Human Genetics</i> , 2020, 106, 467-483.	2.6	31
152	ADAR1 Transcriptome editing promotes breast cancer progression through the regulation of cell cycle and DNA damage response. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118716.	1.9	17
153	Systematic identification of A-to-I editing associated regulators from multiple human cancers. <i>Computers in Biology and Medicine</i> , 2020, 119, 103690.	3.9	1
154	New Twists in Detecting mRNA Modification Dynamics. <i>Trends in Biotechnology</i> , 2021, 39, 72-89.	4.9	96
155	Pan-RNA editing analysis of the bovine genome. <i>RNA Biology</i> , 2021, 18, 368-381.	1.5	4
156	RNA editing contributes to epitranscriptome diversity in chronic lymphocytic leukemia. <i>Leukemia</i> , 2021, 35, 1053-1063.	3.3	17
158	RNA Editing in Neurological and Neurodegenerative Disorders. <i>Methods in Molecular Biology</i> , 2021, 2181, 309-330.	0.4	16
159	The epitranscriptome beyond m6A. <i>Nature Reviews Genetics</i> , 2021, 22, 119-131.	7.7	353
160	REDlportal: millions of novel A-to-I RNA editing events from thousands of RNAseq experiments. <i>Nucleic Acids Research</i> , 2021, 49, D1012-D1019.	6.5	86
161	Enzymes Adenosine Deaminases. , 2021, , 362-367.		0
162	Population-scale genetic control of alternative polyadenylation and its association with human diseases. <i>Quantitative Biology</i> , 2022, 10, 44-54.	0.3	2
163	Inflammation-driven deaminase deregulation fuels human pre-leukemia stem cell evolution. <i>Cell Reports</i> , 2021, 34, 108670.	2.9	22

#	ARTICLE	IF	CITATIONS
164	miRNA-Based Therapeutics in the Era of Immune-Checkpoint Inhibitors. <i>Pharmaceuticals</i> , 2021, 14, 89.	1.7	9
165	Alternative types of editing. , 2021, , 123-143.		1
166	Recent advances in stem cells and gene editing: Drug discovery and therapeutics. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 181, 231-269.	0.9	6
168	Experimental Approaches and Computational Workflows for Systematic Mapping and Functional Interpretation of RNA Modifications. <i>RNA Technologies</i> , 2021, , 197-216.	0.2	1
169	The molecular biology of FMRP: new insights into fragile X syndrome. <i>Nature Reviews Neuroscience</i> , 2021, 22, 209-222.	4.9	164
170	The Regulation of RNA Modification Systems: The Next Frontier in Epitranscriptomics?. <i>Genes</i> , 2021, 12, 345.	1.0	29
171	A-to-I RNA Editing in Cancer: From Evaluating the Editing Level to Exploring the Editing Effects. <i>Frontiers in Oncology</i> , 2020, 10, 632187.	1.3	17
172	Short-Chain Guide RNA for Site-Directed A-to-I RNA Editing. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 58-67.	2.0	8
173	Endogenous Double-Stranded RNA. <i>Non-coding RNA</i> , 2021, 7, 15.	1.3	26
174	â€œ3Gâ€•Trial: An RNA Editing Signature to Guide Gastric Cancer Chemotherapy. <i>Cancer Research</i> , 2021, 81, 2788-2798.	0.4	9
175	Regulation of RNA editing by intracellular acidification. <i>Nucleic Acids Research</i> , 2021, 49, 4020-4036.	6.5	18
176	Genetic variation and microRNA targeting of A-to-I RNA editing fine tune human tissue transcriptomes. <i>Genome Biology</i> , 2021, 22, 77.	3.8	26
177	ADAR1 RNA editing enzyme regulates R-loop formation and genome stability at telomeres in cancer cells. <i>Nature Communications</i> , 2021, 12, 1654.	5.8	50
178	Decoupling expression and editing preferences of ADAR1 p150 and p110 isoforms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	52
179	Systematic identification of A-to-I RNA editing in zebrafish development and adult organs. <i>Nucleic Acids Research</i> , 2021, 49, 4325-4337.	6.5	21
180	RNA Epigenetics: Fine-Tuning Chromatin Plasticity and Transcriptional Regulation, and the Implications in Human Diseases. <i>Genes</i> , 2021, 12, 627.	1.0	12
181	Detecting and Characterizing A-To-I microRNA Editing in Cancer. <i>Cancers</i> , 2021, 13, 1699.	1.7	17
182	Adaptive Proteome Diversification by Nonsynonymous A-to-I RNA Editing in Coleoid Cephalopods. <i>Molecular Biology and Evolution</i> , 2021, 38, 3775-3788.	3.5	22

#	ARTICLE	IF	CITATIONS
183	RNA editing at a limited number of sites is sufficient to prevent MDA5 activation in the mouse brain. <i>PLoS Genetics</i> , 2021, 17, e1009516.	1.5	42
184	RNA editing-mediated regulation of calcium-dependent activator protein for secretion (CAPS1) localization and its impact on synaptic transmission. <i>Journal of Neurochemistry</i> , 2021, 158, 182-196.	2.1	9
185	Transcriptome-Wide Identification of G-to-A RNA Editing in Chronic Social Defeat Stress Mouse Models. <i>Frontiers in Genetics</i> , 2021, 12, 680548.	1.1	9
186	Evolutionary driving forces of <i>scp</i> editing in metazoans. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1666.	3.2	19
187	Identification and Analysis of RNA Editing Events in Ovarian Serous Cystadenoma Using RNA-seq Data. <i>Current Gene Therapy</i> , 2021, 21, 258-269.	0.9	4
189	A porcine brain-wide RNA editing landscape. <i>Communications Biology</i> , 2021, 4, 717.	2.0	5
190	RNA-Seq Data for Reliable SNP Detection and Genotype Calling: Interest for Coding Variant Characterization and Cis-Regulation Analysis by Allele-Specific Expression in Livestock Species. <i>Frontiers in Genetics</i> , 2021, 12, 655707.	1.1	30
191	The role of <i>scp</i> RNA editing enzyme ADAR1 in human disease. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1665.	3.2	61
192	Direct Immunodetection of Global A-to-I RNA Editing Activity with a Chemiluminescent Bioassay. <i>Angewandte Chemie</i> , 2021, 133, 17146-17154.	1.6	1
193	Direct Immunodetection of Global A-to-I RNA Editing Activity with a Chemiluminescent Bioassay. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17009-17017.	7.2	10
194	MiRNA post-transcriptional modification dynamics in T cell activation. <i>IScience</i> , 2021, 24, 102530.	1.9	10
195	The MicroRNA Family Gets Wider: The IsomiRs Classification and Role. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 668648.	1.8	52
196	An I for an A: Dynamic Regulation of Adenosine Deamination-Mediated RNA Editing. <i>Genes</i> , 2021, 12, 1026.	1.0	12
197	Regulation of miRNA content. Part 1. Editing miRNA. <i>Zdorov'e Rebenka</i> , 2021, 16, 317-324.	0.0	0
198	Harnessing self-labeling enzymes for selective and concurrent A-to-I and C-to-U RNA base editing. <i>Nucleic Acids Research</i> , 2021, 49, e95-e95.	6.5	11
199	The RNA editing enzyme ADAR2 restricts L1 mobility. <i>RNA Biology</i> , 2021, 18, 75-87.	1.5	3
200	Regulation and functional consequences of mGlu ₄ RNA editing. <i>Rna</i> , 2021, 27, 1220-1240.	1.6	3
201	Landscape of tissue-specific RNA Editome provides insight into co-regulated and altered gene expression in pigs (<i>Sus scrofa</i>). <i>RNA Biology</i> , 2021, 18, 439-450.	1.5	5

#	ARTICLE	IF	CITATIONS
202	Epitranscriptomic Modifications Modulate Normal and Pathological Functions in CNS. <i>Translational Stroke Research</i> , 2022, 13, 1-11.	2.3	14
204	Interplays of different types of epitranscriptomic mRNA modifications. <i>RNA Biology</i> , 2021, 18, 19-30.	1.5	9
205	Repurposing RNA sequencing for discovery of RNA modifications in clinical cohorts. <i>Science Advances</i> , 2021, 7, .	4.7	12
206	ADAR1 interaction with Z-RNA promotes editing of endogenous double-stranded RNA and prevents MDA5-dependent immune activation. <i>Cell Reports</i> , 2021, 36, 109500.	2.9	65
207	Integrative enrichment analysis of gene expression based on an artificial neuron. <i>BMC Medical Genomics</i> , 2021, 14, 173.	0.7	0
208	MiREDiBase, a manually curated database of validated and putative editing events in microRNAs. <i>Scientific Data</i> , 2021, 8, 199.	2.4	18
209	Protein-based molecular recognition tools for detecting and profiling RNA modifications. <i>Current Opinion in Structural Biology</i> , 2021, 69, 1-10.	2.6	3
210	The Oldest Co-opted <i>gag</i> Gene of a Human Endogenous Retrovirus Shows Placenta-Specific Expression and Is Upregulated in Diffuse Large B-Cell Lymphomas. <i>Molecular Biology and Evolution</i> , 2021, 38, 5453-5471.	3.5	11
211	Primate-specific Retrotransposons and the Evolution of Circadian Networks in the Human Brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 988-1004.	2.9	2
212	Mutations in the adenosine deaminase ADAR1 that prevent endogenous Z-RNA binding induce Aicardi-GoutiÃ¨res-syndrome-like encephalopathy. <i>Immunity</i> , 2021, 54, 1976-1988.e7.	6.6	56
213	Mutations in cis that affect mRNA synthesis, processing and translation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166166.	1.8	15
214	ADAR RNA Modifications, the Epitranscriptome and Innate Immunity. <i>Trends in Biochemical Sciences</i> , 2021, 46, 758-771.	3.7	65
215	A survey of RNA editing at single-cell resolution links interneurons to schizophrenia and autism. <i>Rna</i> , 2021, 27, 1482-1496.	1.6	7
216	Adenosine-to-inosine editing of endogenous Z-form RNA by the deaminase ADAR1 prevents spontaneous MAVS-dependent type I interferon responses. <i>Immunity</i> , 2021, 54, 1961-1975.e5.	6.6	69
217	Adenosine Deaminases Acting on RNA (ADARs) and Viral Infections. <i>Annual Review of Virology</i> , 2021, 8, 239-264.	3.0	45
218	Inosine Substitutions in RNA Activate Latent G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 15120-15130.	6.6	12
219	A new strategy to increase RNA editing at the Q/R site of GluA2 AMPA receptor subunits by targeting alternative splicing patterns of ADAR2. <i>Journal of Neuroscience Methods</i> , 2021, 364, 109357.	1.3	1
220	Adenosine-to-Inosine RNA Editing: A Key RNA Processing Step Rewriting Transcriptome in Normal Physiology and Diseases. , 2021, , 133-151.		0

#	ARTICLE	IF	CITATIONS
221	Genome-wide expression changes mediated by A-to-I RNA editing correlate with hepatic oncogenesis. <i>Translational Cancer Research</i> , 2021, 10, 0-0.	0.4	4
222	Detection of A-to-I Hyper-edited RNA Sequences. <i>Methods in Molecular Biology</i> , 2021, 2181, 213-227.	0.4	3
223	The Role of RNA Editing in the Immune Response. <i>Methods in Molecular Biology</i> , 2021, 2181, 287-307.	0.4	8
224	Protein Recoding Through RNA Editing: Detection, Function, Evolution. , 2020, , 79-98.		1
225	Gene-expression study raises thorny ethical issues. <i>Nature</i> , 2017, 550, 169-170.	13.7	4
226	Regulation of long non-coding RNAs and genome dynamics by the RNA surveillance machinery. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 123-136.	16.1	132
227	Statistical inference of differential RNA-editing sites from RNA-sequencing data by hierarchical modeling. <i>Bioinformatics</i> , 2020, 36, 2796-2804.	1.8	14
241	The evolution and adaptation of A-to-I RNA editing. <i>PLoS Genetics</i> , 2017, 13, e1007064.	1.5	81
242	ADAR, the carcinogenesis mechanisms of ADAR and related clinical applications. <i>Annals of Translational Medicine</i> , 2019, 7, 686-686.	0.7	13
243	Identification of neoantigens derived from alternative splicing and RNA modification. <i>Genomics and Informatics</i> , 2019, 17, e23.	0.4	22
244	Testis single-cell RNA-seq reveals the dynamics of de novo gene transcription and germline mutational bias in <i>Drosophila</i> . <i>ELife</i> , 2019, 8, .	2.8	103
245	Slo2 potassium channel function depends on RNA editing-regulated expression of a SCYL1 protein. <i>ELife</i> , 2020, 9, .	2.8	3
246	Adaptive evolution at mRNA editing sites in soft-bodied cephalopods. <i>PeerJ</i> , 2020, 8, e10456.	0.9	13
247	Global analysis of A-to-I RNA editing reveals association with common disease variants. <i>PeerJ</i> , 2018, 6, e4466.	0.9	21
248	The Oyster River Protocol: a multi-assembler and kmer approach for de novo transcriptome assembly. <i>PeerJ</i> , 2018, 6, e5428.	0.9	85
249	Deciphering the Biological Significance of ADAR1â€™Z-RNA Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11435.	1.8	15
250	RNA Editing: A New Therapeutic Target in Amyotrophic Lateral Sclerosis and Other Neurological Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10958.	1.8	12
251	Global quantification exposes abundant low-level off-target activity by base editors. <i>Genome Research</i> , 2021, 31, 2354-2361.	2.4	14

#	ARTICLE	IF	CITATIONS
256	DRETools: A tool-suite for differential RNA editing detection. F1000Research, 0, 7, 1366.	0.8	0
257	DRETools: A tool-suite for differential RNA editing detection. F1000Research, 0, 7, 1366.	0.8	1
263	Integrative Enrichment Analysis of Intra- and Inter- Tissuesâ€™ Differentially Expressed Genes Based on Perceptron. Lecture Notes in Computer Science, 2019, , 93-104.	1.0	0
264	Transcription RNA Editing. , 2019, , 449-454.		1
265	Adenosine-to-inosine RNA editing may be implicated in human pathogenesis. Bulletin of Russian State Medical University, 2019, , 22-25.	0.3	0
274	Reversible Image Watermarking for Health Informatics Systems Using Distortion Compensation in Wavelet Domain. Intelligent Systems Reference Library, 2020, , 97-107.	1.0	0
281	RNA Modifications and RNA Metabolism in Neurological Disease Pathogenesis. International Journal of Molecular Sciences, 2021, 22, 11870.	1.8	26
282	Distant coupling between RNA editing and alternative splicing of the osmosensitive cation channel Tmem63b. Journal of Biological Chemistry, 2020, 295, 18199-18212.	1.6	14
283	Die Regulation der Genexpression. , 2020, , 135-175.		0
284	RNA and aging. , 2020, , 349-370.		0
285	Die Transkription. , 2020, , 85-107.		0
288	Dynamic landscape of mitochondrial Cytidine-to-Uridine RNA editing in tobacco (Nicotiana tabacum) shows its tissue specificity. Plant Cell, Tissue and Organ Culture, 2022, 148, 363-376.	1.2	3
289	Proteome Diversification by RNA Editing. Methods in Molecular Biology, 2021, 2181, 229-251.	0.4	15
290	New Frontiers for Site-Directed RNA Editing: Harnessing Endogenous ADARs. Methods in Molecular Biology, 2021, 2181, 331-349.	0.4	7
292	Comprehensive Analysis of Large-Scale Transcriptomes from Multiple Cancer Types. Genes, 2021, 12, 1865.	1.0	3
293	Cellular origins of dsRNA, their recognition and consequences. Nature Reviews Molecular Cell Biology, 2022, 23, 286-301.	16.1	113
294	Inherited retinal diseases: Linking genes, disease-causing variants, and relevant therapeutic modalities. Progress in Retinal and Eye Research, 2022, 89, 101029.	7.3	58
295	Atlas of RNA editing events affecting protein expression in aged and Alzheimerâ€™s disease human brain tissue. Nature Communications, 2021, 12, 7035.	5.8	19

#	ARTICLE	IF	CITATIONS
296	Lung fibrosis is induced in ADAR2 overexpressing mice via HuRâ€­induced CTGF signaling. <i>FASEB Journal</i> , 2022, 36, e22143.	0.2	4
297	CLUSTER guide RNAs enable precise and efficient RNA editing with endogenous ADAR enzymes in vivo. <i>Nature Biotechnology</i> , 2022, 40, 759-768.	9.4	49
298	Pterostilbene ameliorates the disrupted Adars expression and improves liver fibrosis in DEN-induced liver injury in Wistar rats: A novel potential effect. <i>Gene</i> , 2022, 813, 146124.	1.0	3
299	Suppression of RNA editing by miR-17 inhibits the stemness of melanoma stem cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 439-455.	2.3	6
300	Shedding light on the hidden human proteome expands immunopeptidome in cancer. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	4
301	Inosine and its methyl derivatives: Occurrence, biogenesis, and function in RNA. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 169-170, 21-52.	1.4	12
302	Characterization of RNA Editome in the Mammary Gland of Yaks during the Lactation and Dry Periods. <i>Animals</i> , 2022, 12, 207.	1.0	1
303	Genome-wide perturbations of Alu expression and Alu-associated post-transcriptional regulations distinguish oligodendroglioma from other gliomas. <i>Communications Biology</i> , 2022, 5, 62.	2.0	3
304	Comprehensive interrogation of the ADAR2 deaminase domain for engineering enhanced RNA editing activity and specificity. <i>ELife</i> , 2022, 11, .	2.8	19
305	Efficient in vitro and in vivo RNA editing via recruitment of endogenous ADARs using circular guide RNAs. <i>Nature Biotechnology</i> , 2022, 40, 938-945.	9.4	69
306	ADAR1- and ADAR2-mediated regulation of maturation and targeting of miR-376b to modulate GABA neurotransmitter catabolism. <i>Journal of Biological Chemistry</i> , 2022, 298, 101682.	1.6	5
307	ADAR1-mediated RNA editing links ganglioside catabolism to glioblastoma stem cell maintenance. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	27
308	Engineered circular ADAR-recruiting RNAs increase the efficiency and fidelity of RNA editing in vitro and in vivo. <i>Nature Biotechnology</i> , 2022, 40, 946-955.	9.4	63
309	Poor evidence for host-dependent regular RNA editing in the transcriptome of SARS-CoV-2. <i>Journal of Applied Genetics</i> , 2022, 63, 413-421.	1.0	19
310	Landscape of adenosine-to-inosine RNA recoding across human tissues. <i>Nature Communications</i> , 2022, 13, 1184.	5.8	46
311	Epitranscriptome in Ischemic Cardiovascular Disease: Potential Target for Therapies. <i>Stroke</i> , 2022, 53, 2114-2122.	1.0	1
312	Preliminary identification and analysis of differential RNA editing between higher and lower backfat thickness pigs using DNAâ€­seq and RNAâ€­seq data. <i>Animal Genetics</i> , 2022, 53, 327-339.	0.6	4
313	The RNA editing enzyme ADAR modulated by the rs1127317 genetic variant diminishes EGFR-TKIs efficiency in advanced lung adenocarcinoma. <i>Life Sciences</i> , 2022, 296, 120408.	2.0	6

#	ARTICLE	IF	CITATIONS
314	Detection of A-to-I RNA Editing in SARS-COV-2. <i>Genes</i> , 2022, 13, 41.	1.0	24
315	ADAR1 RNA editing regulates endothelial cell functions via the MDA-5 RNA sensing signaling pathway. <i>Life Science Alliance</i> , 2022, 5, e202101191.	1.3	7
316	Conservation of A-to-I RNA editing in bowhead whale and pig. <i>PLoS ONE</i> , 2021, 16, e0260081.	1.1	2
317	ADAR1 and its implications in cancer development and treatment. <i>Trends in Genetics</i> , 2022, 38, 821-830.	2.9	33
348	ADAR1 Prevents R-loop Accumulation-Driven ATR Pathway Activation in Ovarian Cancer. <i>Journal of Cancer</i> , 2022, 13, 2397-2412.	1.2	8
349	HPV16 and HPV18 Genome Structure, Expression, and Post-Transcriptional Regulation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4943.	1.8	22
350	Multimic Profiling Identified EGF Receptor Signaling as a Potential Inhibitor of Type I Interferon Response in Models of Oncolytic Therapy by Vesicular Stomatitis Virus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5244.	1.8	3
351	Developmental mRNA m5C landscape and regulatory innovations of massive m5C modification of maternal mRNAs in animals. <i>Nature Communications</i> , 2022, 13, 2484.	5.8	24
352	Regulation of A-to-I RNA editing and stop codon recoding to control selenoprotein expression during skeletal myogenesis. <i>Nature Communications</i> , 2022, 13, 2503.	5.8	5
353	Genome and transcriptome mechanisms driving cephalopod evolution. <i>Nature Communications</i> , 2022, 13, 2427.	5.8	47
354	Genome-wide characterization of RNA editing highlights roles of high editing events of glutamatergic synapse during mouse retinal development. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 2648-2656.	1.9	3
355	The impact of RNA modifications on the biology of DNA virus infection. <i>European Journal of Cell Biology</i> , 2022, 101, 151239.	1.6	5
357	Emerging Role of Epitranscriptomics in Diabetes Mellitus and Its Complications. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	11
358	Reduction of A-to-I RNA editing in the failing human heart regulates formation of circular RNAs. <i>Basic Research in Cardiology</i> , 2022, 117, .	2.5	19
359	Regulation and roles of <sc>RNA</sc> modifications in aging-related diseases. <i>Aging Cell</i> , 2022, 21, .	3.0	22
360	Direct identification of A-to-I editing sites with nanopore native RNA sequencing. <i>Nature Methods</i> , 2022, 19, 833-844.	9.0	35
361	RNA and neuronal function: the importance of post-transcriptional regulation. , 2022, 1, .		4
362	RNA editing of ion channels and receptors in physiology and neurological disorders. , 2022, 1, .		2

#	ARTICLE	IF	CITATIONS
364	Genome-Wide Identification of RNA Editing Sites Affecting Muscle Development in Yak. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	2
365	RNA binding by ADAR3 inhibits adenosine-to-inosine editing and promotes expression of immune response protein MAVS. <i>Journal of Biological Chemistry</i> , 2022, 298, 102267.	1.6	26
366	Harnessing Nature's Molecular Recognition Capabilities to Map and Study RNA Modifications. <i>Accounts of Chemical Research</i> , 2022, 55, 2271-2279.	7.6	3
367	ADAR2 enzymes: efficient site-specific RNA editors with gene therapy aspirations. <i>Rna</i> , 2022, 28, 1281-1297.	1.6	7
368	Nothing in SARS-CoV-2 makes sense except in the light of RNA modification?. <i>Future Virology</i> , 2022, 17, 769-772.	0.9	6
369	Unifying Different Cancer Theories in a Unique Tumour Model: Chronic Inflammation and Deaminases as Meeting Points. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8720.	1.8	1
370	RNA editing underlies genetic risk of common inflammatory diseases. <i>Nature</i> , 2022, 608, 569-577.	13.7	62
371	Neonatal BCG vaccination is associated with a long-term DNA methylation signature in circulating monocytes. <i>Science Advances</i> , 2022, 8, .	4.7	29
372	Comparative Functional RNA Editomes of Neural Differentiation from Human PSCs. , 0, , .		1
373	Survey of the binding preferences of RNA-binding proteins to RNA editing events. <i>Genome Biology</i> , 2022, 23, .	3.8	8
374	Uncovering cis-Regulatory Elements Important for A-to-I RNA Editing in <i>Fusarium graminearum</i> . <i>MBio</i> , 2022, 13, .	1.8	7
376	Exploring the epitranscriptome by native RNA sequencing. <i>Rna</i> , 2022, 28, 1430-1439.	1.6	21
378	RNA modifications: importance in immune cell biology and related diseases. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	74
379	Programmable RNA sensing for cell monitoring and manipulation. <i>Nature</i> , 2022, 610, 713-721.	13.7	37
380	Unveiling the functional and evolutionary landscape of RNA editing in chicken using genomics and transcriptomics. <i>Zoological Research</i> , 2022, 43, 1011-1022.	0.9	0
381	Epitranscriptome Analysis of Oxidative Stressed Retinal Epithelial Cells Depicted a Possible RNA Editing Landscape of Retinal Degeneration. <i>Antioxidants</i> , 2022, 11, 1967.	2.2	30
382	Absolute quantification of single-base m6A methylation in the mammalian transcriptome using GLORI. <i>Nature Biotechnology</i> , 2023, 41, 355-366.	9.4	80
383	Immunosuppressive lncRNA LINC00624 promotes tumor progression and therapy resistance through ADAR1 stabilization. , 2022, 10, e004666.		7

#	ARTICLE	IF	CITATIONS
384	Host 5â€™-3â€™ Exoribonuclease XRN1 Acts as a Proviral Factor for Measles Virus Replication by Downregulating the dsRNA-Activated Kinase PKR. <i>Journal of Virology</i> , 2022, 96, .	1.5	3
385	Heterogeneous <scp>RNA</scp> editing and influence of <scp>ADAR2</scp> on mesothelioma chemoresistance and the tumor microenvironment. <i>Molecular Oncology</i> , 2022, 16, 3949-3974.	2.1	2
386	Spatiotemporal and genetic regulation of A-to-I editing throughout human brain development. <i>Cell Reports</i> , 2022, 41, 111585.	2.9	10
387	RNA Editing Alterations Define Disease Manifestations in the Progression of Experimental Autoimmune Encephalomyelitis (EAE). <i>Cells</i> , 2022, 11, 3582.	1.8	0
388	The RNA editing landscape in acute myeloid leukemia reveals associations with disease mutations and clinical outcome. <i>IScience</i> , 2022, 25, 105622.	1.9	1
389	Recurrent RNA edits in human preimplantation potentially enhance maternal mRNA clearance. <i>Communications Biology</i> , 2022, 5, .	2.0	0
390	RNA Epigenetics in Chronic Lung Diseases. <i>Genes</i> , 2022, 13, 2381.	1.0	3
391	Profiling RNA Editing in Single Cells. <i>Methods in Molecular Biology</i> , 2023, , 347-370.	0.4	2
392	RNA modifications in cardiovascular health and disease. <i>Nature Reviews Cardiology</i> , 2023, 20, 325-346.	6.1	11
393	The RNA-editing enzyme ADAR1: a regulatory hub that tunes multiple dsRNA-sensing pathways. <i>International Immunology</i> , 2023, 35, 123-133.	1.8	7
394	RNA editing: Expanding the potential of RNA therapeutics. <i>Molecular Therapy</i> , 2023, 31, 1533-1549.	3.7	19
395	ADAR RNA editing on antisense RNAs results in apparent U-to-C base changes on overlapping sense transcripts. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	0
399	ADAR1-dependent miR-3144-3p editing simultaneously induces MSI2 expression and suppresses SLC38A4 expression in liver cancer. <i>Experimental and Molecular Medicine</i> , 2023, 55, 95-107.	3.2	4
400	Lactobacillus for ribosome peptide editing cancer. <i>Clinical and Translational Oncology</i> , 0, , .	1.2	1
401	Site-directed A to I RNA editing as a therapeutic tool: moving beyond genetic mutations. <i>Rna</i> , 2023, 29, 498-505.	1.6	4
402	Two-tailed RT-qPCR for the Quantification of A-to-I Edited microRNA Isoforms. <i>Current Protocols</i> , 2023, 3, .	1.3	6
403	The Repertoire of RNA Modifications Orchestrates a Plethora of Cellular Responses. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2387.	1.8	4
404	The Profiles and Functions of RNA Editing Sites Associated with High-Altitude Adaptation in Goats. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3115.	1.8	3

#	ARTICLE	IF	CITATIONS
406	Increased A-to-I RNA editing in atherosclerosis and cardiomyopathies. PLoS Computational Biology, 2023, 19, e1010923.	1.5	2
407	Expanding the proteome: A-to-I RNA editing provides an adaptive advantage. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	0
408	Folate metabolism negatively regulates OAS-mediated antiviral innate immunity via ADAR3/endogenous dsRNA pathway. Metabolism: Clinical and Experimental, 2023, 143, 155526.	1.5	6
410	RNA Helicase DDX6 Regulates A-to-I Editing and Neuronal Differentiation in Human Cells. International Journal of Molecular Sciences, 2023, 24, 3197.	1.8	2
411	On the origin and evolution of RNA editing in metazoans. Cell Reports, 2023, 42, 112112.	2.9	17
412	Extensive Recoding of the Neural Proteome in Cephalopods by RNA Editing. Annual Review of Animal Biosciences, 2023, 11, 57-75.	3.6	6
413	RNA epitranscriptomics dysregulation: A major determinant for significantly increased risk of ASD pathogenesis. Frontiers in Neuroscience, 0, 17, .	1.4	1
414	Development of a selection assay for small guide RNAs that drive efficient site-directed RNA editing. Nucleic Acids Research, 0, , .	6.5	3
415	Potential usages of A-to-I RNA editing patterns as diagnostic biomarkers. American Journal of Physiology - Cell Physiology, 2023, 324, C837-C842.	2.1	1
416	Identification of exceptionally potent adenosine deaminases RNA editors from high body temperature organisms. PLoS Genetics, 2023, 19, e1010661.	1.5	6
417	Stress-Inducible SCAND Factors Suppress the Stress Response and Are Biomarkers for Enhanced Prognosis in Cancers. International Journal of Molecular Sciences, 2023, 24, 5168.	1.8	3
418	Genomic Landscape and Potential Regulation of RNA Editing in Drug Resistance. Advanced Science, 2023, 10, .	5.6	4
419	Experimental evidence for the functional importance and adaptive advantage of A-to-I RNA editing in fungi. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	15
420	The Allelic Expression of RNA Editing Gene ADARB1 in Hepatocellular Carcinoma Treated with Transarterial Chemoembolization. Pharmacogenomics and Personalized Medicine, 0, Volume 16, 229-238.	0.4	0
421	Host-mediated RNA editing in viruses. Biology Direct, 2023, 18, .	1.9	3
422	The phenotype of the most common human Δ ADAR1p150 mutation Δ P193A in mice is partially penetrant. EMBO Reports, 2023, 24, .	2.0	8
424	Contribution of A-to-I RNA editing, M6A RNA Methylation, and Alternative Splicing to physiological brain aging and neurodegenerative diseases. Mechanisms of Ageing and Development, 2023, 212, 111807.	2.2	6
425	Small RNAs: An expanding world with therapeutic promises. Fundamental Research, 2023, 3, 676-682.	1.6	0

#	ARTICLE	IF	CITATIONS
445	Regulation and functions of non-m6A mRNA modifications. Nature Reviews Molecular Cell Biology, 2023, 24, 714-731.	16.1	25
456	Novel insights into double-stranded RNA-mediated immunopathology. Nature Reviews Immunology, 0, , .	10.6	4
468	RNA modification in cardiovascular disease: implications for therapeutic interventions. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	0
471	Transcriptomic analysis reveals associations of blood-based A-to-I editing with Parkinsonâ€™s disease. Journal of Neurology, 2024, 271, 976-985.	1.8	0