Altered adenosine-to-inosine RNA editing in human car

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Citation Report

#	Article	IF	CITATIONS
1	Altered editing in cyclic nucleotide phosphodiesterase 8A1 gene transcripts of systemic lupus erythematosus T lymphocytes. Immunology, 2008, 125, 408-419.	2.0	23
2	Epigenetic principles and mechanisms underlying nervous system functions in health and disease. Progress in Neurobiology, 2008, 86, 305-341.	2.8	252
3	Retrotransposons Revisited: The Restraint and Rehabilitation of Parasites. Cell, 2008, 135, 23-35.	13.5	555
4	RNA modifications and human disease. Paediatrics and Child Health (United Kingdom), 2008, 18, S2-S4.	0.2	0
5	Down-regulation of RNA Editing in Pediatric Astrocytomas. Journal of Biological Chemistry, 2008, 283, 7251-7260.	1.6	172
6	A-to-I RNA editing and cancer: From pathology to basic science. RNA Biology, 2008, 5, 135-139.	1.5	51
7	Gene regulation by SINES and inosines: biological consequences of A-to-I editing of Alu element inverted repeats. Cell Cycle, 2008, 7, 3294-3301.	1.3	85
8	Transcript- and tissue-specific imprinting of a tumour suppressor gene. Human Molecular Genetics, 2009, 18, 118-127.	1.4	54
9	Genomics screen in transformed stem cells reveals RNASEH2A, PPAP2C, and ADARB1 as putative anticancer drug targets. Molecular Cancer Therapeutics, 2009, 8, 249-260.	1.9	64
10	Widespread cleavage of A-to-I hyperediting substrates. Rna, 2009, 15, 1632-1639.	1.6	41
11	Evidence for large diversity in the human transcriptome created by Alu RNA editing. Nucleic Acids Research, 2009, 37, 6905-6915.	6.5	58
12	Inv <i>Alu</i> able junk: The cellular impact and function of Alu and B2 RNAs. IUBMB Life, 2009, 61, 831-837.	1.5	46
13	RNA regulation of epigenetic processes. BioEssays, 2009, 31, 51-59.	1.2	333
14	Editing independent effects of ADARs on the miRNA/siRNA pathways. EMBO Journal, 2009, 28, 3145-3156.	3.5	161
15	RNA editing in human cancer: review. Apmis, 2009, 117, 551-557.	0.9	9
16	Therapeutic MicroRNA Strategies in Human Cancer. AAPS Journal, 2009, 11, 747-57.	2.2	153
17	Dynamic regulation of RNA editing of ion channels and receptors in the mammalian nervous system. Molecular Brain, 2009, 2, 13.	1.3	25
18	The transcript repeat element: the human Alu sequence as a component of gene networks influencing cancer. Functional and Integrative Genomics, 2010, 10, 307-319.	1.4	28

ARTICLE IF CITATIONS # Age-related gene-specific changes of A-to-I mRNA editing in the human brain. Mechanisms of Ageing and 19 2.2 40 Development, 2010, 131, 445-447. All y'all need to know †bout retroelements in cancer. Seminars in Cancer Biology, 2010, 20, 200-210. 4.3 21 Molecular diversity through RNA editing: a balancing act. Trends in Genetics, 2010, 26, 221-230. 2.9 165 Large-scale analysis of structural, sequence and thermodynamic characteristics of A-to-I RNA editing sites in human Álu repeats. BMC Genomics, 2010, 11, 453. Consistent levels of A-to-I RNA editing across individuals in coding sequences and non-conserved Alu 23 1.2 33 repeats. BMC Genomics, 2010, 11, 608. Human <i>BLCAP</i> transcript: new editing events in normal and cancerous tissues. International 2.3 Journal of Cancer, 2010, 127, 127-137. RNA as the substrate for epigenomeâ€environment interactions. BioEssays, 2010, 32, 548-552. 25 1.2 64 Biochemical polymorphism of the growth hormone system proteins and its manifestations in human prostate cells. Biochemistry (Moscow), 2010, 75, 1547-1562. Inosine cyanoethylation identifies A-to-I RNA editing sites in the human transcriptome. Nature 28 3.9 163 Chemical Biology, 2010, 6, 733-740. Alu Sequences in Undifferentiated Human Embryonic Stem Cells Display High Levels of A-to-I RNA 1.1 Editing. PLoS ONE, 2010, 5, e11173. Adenosine-to-inosine RNA editing shapes transcriptome diversity in primates. Proceedings of the 30 3.3 155 National Academy of Sciences of the United States of America, 2010, 107, 12174-12179. Bladder Cancer-associated Protein, a Potential Prognostic Biomarker in Human Bladder Cancer. 2.5 Molecular and Cellular Proteomics, 2010, 9, 161-177. Functions and Regulation of RNA Editing by ADAR Deaminases. Annual Review of Biochemistry, 2010, 79, 32 5.0 1,028 321-349. Possible Editing of Alu Transcripts in Blood Cells of Sporadic Creutzfeldt–Jakob Disease (sCJD). 1.1 Journal of Toxicology and Environmental Health - Part A: Current Issues, 2011, 74, 88-95. Abnormal expression of ADAR1 isoforms in Chinese pediatric acute leukemias. Biochemical and 34 1.0 22 Biophysical Research Communications, 2011, 406, 245-251. Epigenetics, Nervous System Tumors, and Cancer Stem Cells. Cancers, 2011, 3, 3525-3556. Does RNA editing play a role in the development of urinary bladder cancer?. Urologic Oncology: 36 0.8 17 Seminars and Original Investigations, 2011, 29, 21-26. RNA Editing by Mammalian ADARs. Advances in Genetics, 2011, 73, 87-120. 99

#	Article	IF	CITATIONS
38	Multiple Roles of Alu-Related Noncoding RNAs. Progress in Molecular and Subcellular Biology, 2011, 51, 119-146.	0.9	30
39	A-to-I RNA Editing is Induced Upon Hypoxia. Shock, 2011, 35, 585-589.	1.0	31
40	Elucidating the inosinome: global approaches to adenosine-to-inosine RNA editing. Nature Reviews Genetics, 2011, 12, 81-85.	7.7	79
41	Adenosine-to-inosine RNA editing meets cancer. Carcinogenesis, 2011, 32, 1569-1577.	1.3	97
42	Increased RNA editing in children with cyanotic congenital heart disease. Intensive Care Medicine, 2011, 37, 1664-1671.	3.9	32
43	Association between single nucleotide polymorphism-genotype and outcome of patients with chronic lymphocytic leukemia in a randomized chemotherapy trial. Haematologica, 2011, 96, 1496-1503.	1.7	20
44	Bioinformatic Approaches for Identification of A-to-I Editing Sites. Current Topics in Microbiology and Immunology, 2011, 353, 145-162.	0.7	10
45	ADAR2 editing enzyme is a novel human immunodeficiency virus-1 proviral factor. Journal of General Virology, 2011, 92, 1228-1232.	1.3	36
46	Human single-nucleotide polymorphisms alter p53 sequence-specific binding at gene regulatory elements. Nucleic Acids Research, 2011, 39, 178-189.	6.5	28
48	Nuclear Editing of mRNA 3′-UTRs. Current Topics in Microbiology and Immunology, 2011, 353, 111-121.	0.7	11
49	Identification of Widespread Ultra-Edited Human RNAs. PLoS Genetics, 2011, 7, e1002317.	1.5	79
50	Darned in 2013: inclusion of model organisms and linking with Wikipedia. Nucleic Acids Research, 2012, 41, D258-D261.	6.5	94
51	Nucleoside analog studies indicate mechanistic differences between RNA-editing adenosine deaminases. Nucleic Acids Research, 2012, 40, 9825-9835.	6.5	23
52	Accurate identification of A-to-I RNA editing in human by transcriptome sequencing. Genome Research, 2012, 22, 142-150.	2.4	297
53	RNA editing in the human ENCODE RNA-seq data. Genome Research, 2012, 22, 1626-1633.	2.4	139
54	A Novel Computational Strategy to Identify A-to-I RNA Editing Sites by RNA-Seq Data: De Novo Detection in Human Spinal Cord Tissue. PLoS ONE, 2012, 7, e44184.	1.1	19
55	Micro-editing mistake translates into a devastating brain tumor. Journal of Clinical Investigation, 2012, 122, 3842-3845.	3.9	7
56	Epigenetics-related genes in prostate cancer: expression profile in prostate cancer tissues, androgen-sensitive and -insensitive cell lines. International Journal of Molecular Medicine, 2012, 31, 21-5.	1.8	24

	C	ITATION REPORT	
#	Article	IF	CITATIONS
57	Systematic identification of edited microRNAs in the human brain. Genome Research, 2012, 22, 153	3-1540. 2.4	163
58	Sequenceâ€Dependent Structural Dynamics of Primate Adenosineâ€ŧoâ€ŀnosine Editing Substrates. ChemBioChem, 2012, 13, 2714-2721.	1.3	1
59	A-to-I RNA editing: The "ADAR―side of human cancer. Seminars in Cell and Developmental Biolo 23, 244-250.	gy, 2012, 2.3	95
60	A-to-I editing of microRNAs: Regulating the regulators?. Seminars in Cell and Developmental Biology, 2012, 23, 251-257.	2.3	17
61	A Comparative Analysis to Study Editing of Small Noncoding BC200- and Alu Transcripts in Brain of Prion-Inoculated Rhesus Monkeys (<i>M. Mulatta</i>). Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 391-401.	1.1	2
62	SNP-based large-scale identification of allele-specific gene expression in human B cells. Gene, 2012, 4 211-218.	193, 1.0	15
63	Increased frequency of single base substitutions in a population of transcripts expressed in cancer cells. BMC Cancer, 2012, 12, 509.	1.1	0
64	Driving transcriptional regulators in melanoma metastasis. Cancer and Metastasis Reviews, 2012, 31 621-632.	., 2.7	38
65	Altered A-to-I RNA Editing in Human Embryogenesis. PLoS ONE, 2012, 7, e41576.	1.1	50
66	Identification of Novel Deregulated RNA Metabolism-Related Genes in Non-Small Cell Lung Cancer. PLoS ONE, 2012, 7, e42086.	1.1	48
67	Transcript Diversification in the Nervous System: A to I RNA Editing in CNS Function and Disease Development. Frontiers in Neuroscience, 2012, 6, 99.	1.4	67
68	Biological Significance of RNA Editing in Cells. Molecular Biotechnology, 2012, 52, 91-100.	1.3	48
69	ADARs: allies or enemies? The importance of Aâ€ŧoâ€ŧ RNA editing in human disease: from cancer to Biological Reviews, 2012, 87, 95-110.	HIVâ€ 1 . 4.7	65
70	Dicer-microRNA pathway is critical for peripheral nerve regeneration and functional recovery in vivo and regenerative axonogenesis in vitro. Experimental Neurology, 2012, 233, 555-565.	2.0	71
71	Prion infected rhesus monkeys to study differential transcription of Alu DNA elements and editing of Alu transcripts in neuronal cells and blood cells. Journal of Medical Primatology, 2012, 41, 176-182.	0.3	4
72	ADAR2 editing activity in newly diagnosed versus relapsed pediatric high-grade astrocytomas. BMC Cancer, 2013, 13, 255.	1.1	19
73	Hepatocellular carcinoma: Transcriptome diversity regulated by RNA editing. International Journal of Biochemistry and Cell Biology, 2013, 45, 1843-1848.	1.2	17
74	Whole transcriptome RNA-Seq allelic expression in human brain. BMC Genomics, 2013, 14, 571.	1.2	55

ARTICLE IF CITATIONS # A-to-I RNA editing does not change with age in the healthy male rat brain. Biogerontology, 2013, 14, 2.0 15 75 395-400. RNA editing enters the limelight in cancer. Nature Medicine, 2013, 19, 130-131. 15.2 77 Adenosine-to-inosine RNA editing and human disease. Genome Medicine, 2013, 5, 105. 3.6 224 Reduction of RNA Aâ€to″ editing in <i>Drosophila</i> acclimated to heat shock. Kaohsiung Journal of Medical Sciences, 2013, 29, 478-483. Mediator Complex Dependent Regulation of Cardiac Development and Disease. Genomics, Proteomics 79 3.0 14 and Bioinformatics, 2013, 11, 151-157. Polymerization of non-complementary RNA: Systematic symmetric nucleotide exchanges mainly involving uracil produce mitochondrial RNA transcripts coding for cryptic overlapping genes. BioSystems, 2013, 111, 156-174. Recoding RNA editing of AZIN1 predisposes to hepatocellular carcinoma. Nature Medicine, 2013, 19, 82 15.2421 209-216. Insulin-like growth factor-binding protein-7 (IGFBP7) transcript: A-to-I editing events in normal and 1.1 10 cancerous human keratinocytes. Archives of Dermatological Research, 2013, 305, 519-528. A method to identify RNA A-to-I editing targets using I-specific cleavage and exon array analysis. 0.9 7 86 Molecular and Cellular Probes, 2013, 27, 38-45. Analysis and design of RNA sequencing experiments for identifying RNA editing and other 1.6 single-nucleotide variants. Rna, 2013, 19, 725-732. The majority of endogenous microRNA targets within Alu elements avoid the microRNA machinery. 88 1.8 30 Bioinformatics, 2013, 29, 894-902. Deletion of the RNAâ€editing enzyme ADAR1 causes regression of established chronic myelogenous 89 2.3 leukemia in mice. International Journal of Cancer, 2013, 132, 1741-1750. ADAR2-editing activity inhibits glioblastoma growth through the modulation of the 91 2.6 122 CDC14B/Skp2/p21/p27 axis. Oncogene, 2013, 32, 998-1009. ADAR1 regulates <i>ARHGAP26</i> gene expression through RNA editing by disrupting miR-30b-3p and miR-573 binding. Rna, 2013, 19, 1525-1536. 1.6 79 RNA editing of the GLI1 transcription factor modulates the output of Hedgehog signaling. RNA 93 1.5 73 Biology, 2013, 10, 321-333. Global regulation of alternative splicing by adenosine deaminase acting on RNA (ADAR). Rna, 2013, 19, 94 591-604. RNA Editing and Drug Discovery for Cancer Therapy. Scientific World Journal, The, 2013, 2013, 1-5. 95 0.8 7 Is There an Infectious Agent Behind Prostate Cancer?., 0, , .

#	Article	IF	CITATIONS
97	RNA editing in <i>RHOQ</i> promotes invasion potential in colorectal cancer. Journal of Experimental Medicine, 2014, 211, 613-621.	4.2	97
98	Inosine in DNA and RNA. Current Opinion in Genetics and Development, 2014, 26, 116-123.	1.5	117
99	ADAR1: a promising new biomarker for esophageal squamous cell carcinoma?. Expert Review of Anticancer Therapy, 2014, 14, 865-868.	1.1	13
100	Differential regulation of aggressive features in melanoma cells by members of the miR-17-92 complex. Open Biology, 2014, 4, 140030.	1.5	11
101	Adenosine-to-Inosine RNA Editing Mediated by ADARs in Esophageal Squamous Cell Carcinoma. Cancer Research, 2014, 74, 840-851.	0.4	152
102	A disrupted RNA editing balance mediated by ADARs (Adenosine DeAminases that act on RNA) in human hepatocellular carcinoma. Gut, 2014, 63, 832-843.	6.1	187
103	Editing liver tumours. Gut, 2014, 63, 709-710.	6.1	1
104	RNA Editome Imbalance in Hepatocellular Carcinoma. Cancer Research, 2014, 74, 1301-1306.	0.4	47
105	Hippocampus-specific deficiency in RNA editing of GluA2 in Alzheimer's disease. Neurobiology of Aging, 2014, 35, 1785-1791.	1.5	94
106	Abnormal expression of an ADAR2 alternative splicing variant in gliomas downregulates adenosine-to-inosine RNA editing. Acta Neurochirurgica, 2014, 156, 1135-1142.	0.9	13
107	High-Resolution Genomic Analysis of Human Mitochondrial RNA Sequence Variation. Science, 2014, 344, 413-415.	6.0	90
108	The emerging role of RNA and DNA editing in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1845, 308-316.	3.3	26
109	Involvement of Mediator complex in malignancy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1845, 66-83.	3.3	67
110	A biochemical landscape of A-to-I RNA editing in the human brain transcriptome. Genome Research,	9 <i>A</i>	121
	2014, 24, 322-334.	2.7	
111	Characterizing of functional human coding RNA editing from evolutionary, structural, and dynamic perspectives. Proteins: Structure, Function and Bioinformatics, 2014, 82, 3117-3131.	1.5	15
111	 2014, 24, 522-534. Characterizing of functional human coding RNA editing from evolutionary, structural, and dynamic perspectives. Proteins: Structure, Function and Bioinformatics, 2014, 82, 3117-3131. Human somatic cell mutagenesis creates genetically tractable sarcomas. Nature Genetics, 2014, 46, 964-972. 	1.5 9.4	15 29
111 112 113	 2014, 24, 522-534. Characterizing of functional human coding RNA editing from evolutionary, structural, and dynamic perspectives. Proteins: Structure, Function and Bioinformatics, 2014, 82, 3117-3131. Human somatic cell mutagenesis creates genetically tractable sarcomas. Nature Genetics, 2014, 46, 964-972. ADAR1 Is Involved in the Regulation of Reprogramming Human Fibroblasts to Induced Pluripotent Stem Cells. Stem Cells and Development, 2014, 23, 443-456. 	1.5 9.4 1.1	15 29 14

#	Article	IF	CITATIONS
115	The RNA editing enzymes ADARs: mechanism of action and human disease. Cell and Tissue Research, 2014, 356, 527-532.	1.5	35
116	Conserved microRNA editing in mammalian evolution, development and disease. Genome Biology, 2014, 15, R83.	13.9	70
117	New Insights into the Biological Role of Mammalian ADARs; the RNA Editing Proteins. Biomolecules, 2015, 5, 2338-2362.	1.8	66
118	Exome sequencing of a colorectal cancer family reveals shared mutation pattern and predisposition circuitry along tumor pathways. Frontiers in Genetics, 2015, 6, 288.	1.1	11
120	PTBP1 induces ADAR1 p110 isoform expression through IRES-like dependent translation control and influences cell proliferation in gliomas. Cellular and Molecular Life Sciences, 2015, 72, 4383-4397.	2.4	32
121	RNA sequencing from human neutrophils reveals distinct transcriptional differences associated with chronic inflammatory states. BMC Medical Genomics, 2015, 8, 55.	0.7	61
122	Elevated RNA Editing Activity Is a Major Contributor to Transcriptomic Diversity in Tumors. Cell Reports, 2015, 13, 267-276.	2.9	262
123	Aberrant alternative splicing pattern of ADAR2 downregulates adenosine-to-inosine editing in glioma. Oncology Reports, 2015, 33, 2845-2852.	1.2	21
124	Recognition of duplex RNA by the deaminase domain of the RNA editing enzyme ADAR2. Nucleic Acids Research, 2015, 43, 1123-1132.	6.5	38
125	Monitoring the Spatiotemporal Activities of miRNAs in Small Animal Models Using Molecular Imaging Modalities. International Journal of Molecular Sciences, 2015, 16, 4947-4972.	1.8	15
126	RNA rewriting, recoding, and rewiring in human disease. Trends in Molecular Medicine, 2015, 21, 549-559.	3.5	60
127	Biochemical and Transcriptome-Wide Identification of A-to-I RNA Editing Sites by ICE-Seq. Methods in Enzymology, 2015, 560, 331-353.	0.4	3
128	Inconsistency and features of single nucleotide variants detected in whole exome sequencing versus transcriptome sequencing: A case study in lung cancer. Methods, 2015, 83, 118-127.	1.9	33
129	Case-control study of ADARB1 and ADARB2 gene variants in migraine. Journal of Headache and Pain, 2015, 16, 511.	2.5	6
130	Modulation of microRNA editing, expression and processing by ADAR2 deaminase in glioblastoma. Genome Biology, 2015, 16, 5.	3.8	125
131	Transcriptome-wide identification of adenosine-to-inosine editing using the ICE-seq method. Nature Protocols, 2015, 10, 715-732.	5.5	67
132	The Genomic Landscape and Clinical Relevance of A-to-I RNA Editing in Human Cancers. Cancer Cell, 2015, 28, 515-528.	7.7	426
133	Principles Governing A-to-I RNA Editing in the Breast Cancer Transcriptome. Cell Reports, 2015, 13, 277-289.	2.9	179

#	Article		IF	Citations
134	Genome-wide identification of RNA editing in hepatocellular carcinoma. Genomics, 201	15, 105, 76-82.	1.3	40
135	Aberrant overexpression of ADAR1 promotes gastric cancer progression by activating r signaling. Oncotarget, 2016, 7, 86161-86173.	nTOR/p70S6K	0.8	17
136	ADAR-Mediated RNA Editing Predicts Progression and Prognosis of Gastric Cancer. Gas 2016, 151, 637-650.e10.	troenterology,	0.6	127
137	Altered RNA editing in 3′ UTR perturbs microRNA-mediated regulation of oncogenes tumor-suppressors. Scientific Reports, 2016, 6, 23226.	and	1.6	77
138	Copy number variation in archival melanoma biopsies versus benign melanocytic lesior Biomarkers, 2016, 16, 575-597.	ns. Cancer	0.8	4
139	A novel IGH@ gene rearrangement associated with CDKN2A/B deletion in young adult lymphoblastic leukemia. Oncology Letters, 2016, 11, 2117-2122.	B-cell acute	0.8	4
140	To edit or not to edit: regulation of <scp>ADAR</scp> editing specificity and efficiency Interdisciplinary Reviews RNA, 2016, 7, 113-127.	r. Wiley	3.2	67
141	Association between targeted somatic mutation (TSM) signatures and HCSâ€OvCa pro Medicine, 2016, 5, 2629-2640.	ogression. Cancer	1.3	18
142	Etiology and Pathogenesis of Hepatocellular Carcinoma: Epigenetic Mechanisms. , 201	6, , 1-13.		0
143	Small RNA Modifications: Integral to Function and Disease. Trends in Molecular Medici 1025-1034.	ne, 2016, 22,	3.5	90
144	Controlling the Editor: The Many Roles of RNA-Binding Proteins in Regulating A-to-I RN, Advances in Experimental Medicine and Biology, 2016, 907, 189-213.	A Editing.	0.8	12
145	Complex regulation of ADAR-mediated RNA-editing across tissues. BMC Genomics, 202	16, 17, 61.	1.2	69
146	Genetic Architectures of Quantitative Variation in RNA Editing Pathways. Genetics, 202	16, 202, 787-798.	1.2	25
147	Reduced levels of protein recoding by A-to-I RNA editing in Alzheimer's disease. Rna, 20	016, 22, 290-302.	1.6	122
148	Regulation of Antimicrobial Peptide Gene Expression by Vitamin D. , 2016, , 101-113.			1
149	RNA Editing Modulates Human Hepatic Aryl Hydrocarbon Receptor Expression by Crea Recognition Sequence. Journal of Biological Chemistry, 2016, 291, 894-903.	ting MicroRNA	1.6	43
150	Synthesis of native-like crosslinked duplex RNA and study of its properties. Bioorganic Chemistry, 2017, 25, 2191-2199.	and Medicinal	1.4	7
151	Construction of a guide-RNA for site-directed RNA mutagenesis utilising intracellular A-editing. Scientific Reports, 2017, 7, 41478.	to-I RNA	1.6	83

#	Article	IF	CITATIONS
152	A-to-I RNA Editing Up-regulates Human Dihydrofolate Reductase in Breast Cancer. Journal of Biological Chemistry, 2017, 292, 4873-4884.	1.6	83
153	State of the art technologies to explore long nonâ€coding RNAs in cancer. Journal of Cellular and Molecular Medicine, 2017, 21, 3120-3140.	1.6	58
154	RNA editing of <i>SLC22A3</i> drives early tumor invasion and metastasis in familial esophageal cancer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4631-E4640.	3.3	78
155	ADAR1-mediated 3′ UTR editing and expression control of antiapoptosis genes fine-tunes cellular apoptosis response. Cell Death and Disease, 2017, 8, e2833-e2833.	2.7	37
156	Assessment of nucleosides as putative tumor biomarkers in prostate cancer screening by CE–UV. Analytical and Bioanalytical Chemistry, 2017, 409, 3289-3297.	1.9	14
157	Mechanisms and implications of ADAR-mediated RNA editing in cancer. Cancer Letters, 2017, 411, 27-34.	3.2	30
158	In cancer, A-to-I RNA editing can be the driver, the passenger, or the mechanic. Drug Resistance Updates, 2017, 32, 16-22.	6.5	17
159	Rare ADAR and RNASEH2B variants and a type l interferon signature in glioma and prostate carcinoma risk and tumorigenesis. Acta Neuropathologica, 2017, 134, 905-922.	3.9	12
160	Metabolomic and Lipidomic Profiling Identifies The Role of the RNA Editing Pathway in Endometrial Carcinogenesis. Scientific Reports, 2017, 7, 8803.	1.6	30
161	RNA editing is induced by type I interferon in esophageal squamous cell carcinoma. Tumor Biology, 2017, 39, 101042831770854.	0.8	10
162	RNA Editing in Pathogenesis of Cancer. Cancer Research, 2017, 77, 3733-3739.	0.4	60
163	Transposable Elements in Human Cancer: Causes and Consequences of Deregulation. International Journal of Molecular Sciences, 2017, 18, 974.	1.8	128
164	iRNA-Al: identifying the adenosine to inosine editing sites in RNA sequences. Oncotarget, 2017, 8, 4208-4217.	0.8	209
165	Elucidation of the genetic and epigenetic landscape alterations in RNA binding proteins in glioblastoma. Oncotarget, 2017, 8, 16650-16668.	0.8	36
166	Analysis of RNA Editing Sites from RNA-Seq Data Using GIREMI. Methods in Molecular Biology, 2018, 1751, 101-108.	0.4	7
167	Epigenetic and epitranscriptomic changes in colorectal cancer: Diagnostic, prognostic, and treatment implications. Cancer Letters, 2018, 419, 84-95.	3.2	52
168	Comprehensive Genomic Characterization of RNA-Binding Proteins across Human Cancers. Cell Reports, 2018, 22, 286-298.	2.9	166
169	Adenosine-to-Inosine RNA Editing in Health and Disease. Antioxidants and Redox Signaling, 2018, 29, 846-863.	2.5	34

#	Article	IF	CITATIONS
170	The Role of RNA Editing in Cancer Development and Metabolic Disorders. Frontiers in Endocrinology, 2018, 9, 762.	1.5	70
171	Enhanced AZIN1 RNA editing and overexpression of its regulatory enzyme ADAR1 are important prognostic biomarkers in gastric cancer. Journal of Translational Medicine, 2018, 16, 366.	1.8	48
172	CircNT5E Acts as a Sponge of miR-422a to Promote Glioblastoma Tumorigenesis. Cancer Research, 2018, 78, 4812-4825.	0.4	236
173	ADAR Mediated RNA Editing Modulates MicroRNA Targeting in Human Breast Cancer. Processes, 2018, 6, 42.	1.3	14
174	CLEC3B is downregulated and inhibits proliferation in clear cell renal cell carcinoma. Oncology Reports, 2018, 40, 2023-2035.	1.2	23
175	<scp>RNA</scp> editing of Filamin A pre― <scp>mRNA</scp> regulates vascular contraction and diastolic blood pressure. EMBO Journal, 2018, 37, .	3.5	86
176	RNA Editing Deficiency in Neurodegeneration. Advances in Neurobiology, 2018, 20, 63-83.	1.3	13
177	ADAR1 promotes the epithelial-to-mesenchymal transition and stem-like cell phenotype of oral cancer by facilitating oncogenic microRNA maturation. Journal of Experimental and Clinical Cancer Research, 2019, 38, 315.	3.5	35
178	Cancer theâ€~RBP'eutics–RNA-binding proteins as therapeutic targets for cancer. , 2019, 203, 107390.		125
179	Landscape of RNA editing reveals new insights into the dynamic gene regulation of spermatogenesis. Cell Cycle, 2019, 18, 3351-3364.	1.3	5
180	RNA editing in the forefront of epitranscriptomics and human health. Journal of Translational Medicine, 2019, 17, 319.	1.8	86
181	RNA binding candidates for human ADAR3 from substrates of a gain of function mutant expressed in neuronal cells. Nucleic Acids Research, 2019, 47, 10801-10814.	6.5	17
182	EPAI-NC: Enhanced prediction of adenosine to inosine RNA editing sites using nucleotide compositions. Analytical Biochemistry, 2019, 569, 16-21.	1.1	11
183	CREDO: Highly confident disease-relevant A-to-I RNA-editing discovery in breast cancer. Scientific Reports, 2019, 9, 5064.	1.6	3
184	Promising member of the short interspersed nuclear elements (<i>Alu</i> elements): mechanisms and clinical applications in human cancers. Journal of Medical Genetics, 2019, 56, 639-645.	1.5	5
185	Genome-wide identification of RNA editing in seven porcine tissues by matched DNA and RNA high-throughput sequencing. Journal of Animal Science and Biotechnology, 2019, 10, 24.	2.1	17
186	Dynamic inosinome profiles reveal novel patient stratification and gender-specific differences in glioblastoma. Genome Biology, 2019, 20, 33.	3.8	49
187	The adaptive potential of RNA editing-mediated miRNA-retargeting in cancer. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 291-300.	0.9	15

ARTICLE IF CITATIONS # IL6R-STAT3-ADAR1 (P150) interplay promotes oncogenicity in multiple myeloma with 1q21 amplification. 188 1.7 34 Haematologica, 2020, 105, 1391-1404. RNA Modifications in Cancer: Functions, Mechanisms, and Therapeutic Implications. Annual Review of 189 2.3 Cancer Biology, 2020, 4, 221-240. 190 De Novo A-to-I RNA Editing Discovery in IncRNA. Cancers, 2020, 12, 2959. 1.7 15 Fibroblast Growth Factorâ€"14 Acts as Tumor Suppressor in Lung Adenocarcinomas. Cells, 2020, 9, 1755. 191 1.8 Stem cell programs in cancer initiation, progression, and therapy resistance. Theranostics, 2020, 10, 192 208 4.6 8721-8743. DNA Methylome Distinguishes Head and Neck Cancer from Potentially Malignant Oral Lesions and 1.8 Healthy Oral Mucosa. International Journal of Molecular Sciences, 2020, 21, 6853. 194 RNA Editing Alters miRNA Function in Chronic Lymphocytic Leukemia. Cancers, 2020, 12, 1159. 1.7 11 Quantifying RNA Editing in Deep Transcriptome Datasets. Frontiers in Genetics, 2020, 11, 194. 1.1 iMRM: a platform for simultaneously identifying multiple kinds of RNA modifications. Bioinformatics, 196 1.8 122 2020, 36, 3336-3342. ctDNA applications and integration in colorectal cancer: an NCI Colon and Rectal–Anal Task Forces 12.5 218 whitepaper. Nature Reviews Clinical Oncology, 2020, 17, 757-770. Suppression of adenosine-to-inosine (A-to-I) RNA editome by death associated protein 3 (DAP3) promotes 198 4.729 cancer progression. Science Advances, 2020, 6, eaba5136. Cis- and trans-regulations of pre-mRNA splicing by RNA editing enzymes influence cancer development. 199 5.8 69 Nature Communications, 2020, 11, 799. Dysregulations of Functional RNA Modifications in Cancer, Cancer Stemness and Cancer Therapeutics. 200 4.6 37 Theranostics, 2020, 10, 3164-3189. Deletion of Endonuclease V suppresses chemically induced hepatocellular carcinoma. Nucleic Acids 6.5 Research, 2020, 48, 4463-4479 AKT-Dependent Phosphorylation of ADAR1p110 and ADAR2 Represents a New and Important Link Between 202 0.9 6 Cell Signaling and RNA Editing. DNA and Cell Biology, 2020, 39, 343-348. The Emerging Roles of RNA Modifications in Glioblastoma. Cancers, 2020, 12, 736. 83 Epigenetic footprint enables molecular risk stratification of hepatoblastoma with clinical 204 1.8 82 implications. Journal of Hepatology, 2020, 73, 328-341. Systematic identification of A-to-I editing associated regulators from multiple human cancers. Computers in Biology and Medicine, 2020, 119, 103690.

#	Article	IF	Citations
206	RNA editing contributes to epitranscriptome diversity in chronic lymphocytic leukemia. Leukemia, 2021, 35, 1053-1063.	3.3	17
207	RNA Editing in Neurological and Neurodegenerative Disorders. Methods in Molecular Biology, 2021, 2181, 309-330.	0.4	16
208	ADARs, RNA editing and more in hematological malignancies. Leukemia, 2021, 35, 346-359.	3.3	10
209	ADAR1 is a new target of METTL3 and plays a pro-oncogenic role in glioblastoma by an editing-independent mechanism. Genome Biology, 2021, 22, 51.	3.8	71
210	The effects of RNA editing in cancer tissue at different stages in carcinogenesis. RNA Biology, 2021, 18, 1-16.	1.5	15
211	"3G―Trial: An RNA Editing Signature to Guide Gastric Cancer Chemotherapy. Cancer Research, 2021, 81, 2788-2798.	0.4	9
212	The Emerging Impact of RNA Editing in Tumor Growth and Metastasis. Annals of Military and Health Sciences Research, 2021, 19, .	0.1	0
214	Inosine in Biology and Disease. Genes, 2021, 12, 600.	1.0	45
215	RNA A-to-I editing, environmental exposure, and human diseases. Critical Reviews in Toxicology, 2021, 51, 456-466.	1.9	6
216	Targeting RNA editing of antizyme inhibitor 1: A potential oligonucleotide-based antisense therapy for cancer. Molecular Therapy, 2021, 29, 3258-3273.	3.7	13
217	Identification of A-to-I RNA editing profiles and their clinical relevance in lung adenocarcinoma. Science China Life Sciences, 2022, 65, 19-32.	2.3	6
218	Identification and Analysis of RNA Editing Events in Ovarian Serous Cystadenoma Using RNA-seq Data. Current Gene Therapy, 2021, 21, 258-269.	0.9	4
219	Direct Immunodetection of Global Aâ€ŧoâ€ŀ RNA Editing Activity with a Chemiluminescent Bioassay. Angewandte Chemie, 2021, 133, 17146-17154.	1.6	1
220	Direct Immunodetection of Global Aâ€ŧoâ€ŀ RNA Editing Activity with a Chemiluminescent Bioassay. Angewandte Chemie - International Edition, 2021, 60, 17009-17017.	7.2	10
221	Epitranscriptomics: A New Layer of microRNA Regulation in Cancer. Cancers, 2021, 13, 3372.	1.7	16
222	bCNN-Methylpred: Feature-Based Prediction of RNA Sequence Modification Using Branch Convolutional Neural Network. Genes, 2021, 12, 1155.	1.0	4
223	Epitranscriptomic Modifications Modulate Normal and Pathological Functions in CNS. Translational Stroke Research, 2022, 13, 1-11.	2.3	14
224	RNA Modifications and Epigenetics in Modulation of Lung Cancer and Pulmonary Diseases. International Journal of Molecular Sciences, 2021, 22, 10592.	1.8	61

#	Article	IF	CITATIONS
225	RDDSVM: accurate prediction of A-to-I RNA editing sites from sequence using support vector machines. Functional and Integrative Genomics, 2021, 21, 633-643.	1.4	5
226	ADAR-mediated RNA editing of DNA:RNA hybrids is required for DNA double strand break repair. Nature Communications, 2021, 12, 5512.	5.8	30
228	Biochemical Identification of A-to-I RNA Editing Sites by the Inosine Chemical Erasing (ICE) Method. Methods in Molecular Biology, 2011, 718, 89-99.	0.4	22
229	Optic Pathway Gliomas. Advances and Technical Standards in Neurosurgery, 2015, 42, 123-146.	0.2	17
230	MicroRNAs in Epithelial Ovarian Cancer. , 2011, , 309-342.		2
231	To protect and modify double-stranded RNA – the critical roles of ADARs in development, immunity and oncogenesis. Critical Reviews in Biochemistry and Molecular Biology, 2021, 56, 54-87.	2.3	28
232	Statistical inference of differential RNA-editing sites from RNA-sequencing data by hierarchical modeling. Bioinformatics, 2020, 36, 2796-2804.	1.8	14
233	Attenuated adenosine-to-inosine editing of microRNA-376a* promotes invasiveness of glioblastoma cells. Journal of Clinical Investigation, 2012, 122, 4059-4076.	3.9	175
234	MicroRNA-mediated loss of ADAR1 in metastatic melanoma promotes tumor growth. Journal of Clinical Investigation, 2013, 123, 2703-2718.	3.9	149
235	A mark of disease: how mRNA modifications shape genetic and acquired pathologies. Rna, 2021, 27, 367-389.	1.6	24
236	PRESa2i: incremental decision trees for prediction of Adenosine to Inosine RNA editing sites. F1000Research, 0, 9, 262.	0.8	6
237	Computational Detection and Functional Analysis of Human Tissue-Specific A-to-I RNA Editing. PLoS ONE, 2011, 6, e18129.	1.1	17
238	A-to-I RNA editing of BLCAP lost the inhibition to STAT3 activation in cervical cancer. Oncotarget, 2017, 8, 39417-39429.	0.8	39
239	Epigenome-wide association study in hepatocellular carcinoma: Identification of stochastic epigenetic mutations through an innovative statistical approach. Oncotarget, 2017, 8, 41890-41902.	0.8	47
240	Detection of canonical A-to-G editing events at 3′ UTRs and microRNA target sites in human lungs using next-generation sequencing. Oncotarget, 2015, 6, 35726-35736.	0.8	15
241	ADAR, the carcinogenesis mechanisms of ADAR and related clinical applications. Annals of Translational Medicine, 2019, 7, 686-686.	0.7	13
242	Mediator kinase module and human tumorigenesis. Critical Reviews in Biochemistry and Molecular Biology, 2015, 50, 393-426.	2.3	88
243	Differential expression of microRNAs in dorsal root ganglia after sciatic nerve injury. Neural Regeneration Research, 2014, 9, 1031.	1.6	10

#	Article	IF	CITATIONS
244	Identification of Diverse Adenosine-to-Inosine RNA Editing Subtypes in Colorectal Cancer. Cancer Research and Treatment, 2017, 49, 1077-1087.	1.3	22
245	Bioinformatics Strategies for Identifying Regions of Epigenetic Deregulation Associated with Aberrant Transcript Splicing and RNA-editing. , 2015, , .		1
246	Global RNA editome landscape discovers reduced RNA editing in glioma: loss of editing of gamma-amino butyric acid receptor alpha subunit 3 (GABRA3) favors glioma migration and invasion. PeerJ, 2020, 8, e9755.	0.9	13
247	Metabolomic Detection Between Pancreatic Cancer and Liver Metastasis Nude Mouse Models Constructed by Using the PANC1-KAI1/CD ₈₂ Cell Line. Technology in Cancer Research and Treatment, 2021, 20, 153303382110452.	0.8	2
248	Alu RNA and their roles in human disease states. RNA Biology, 2021, 18, 574-585.	1.5	11
249	Identification of RNA Editing Sites in Chimpanzee by Transcriptome-wide Sequencing Data*. Progress in Biochemistry and Biophysics, 2012, 39, 282-293.	0.3	0
250	Bioinformatics Approaches for the Identification and Annotation of RNA Editing Sites. Journal of Genetic Medicine, 2013, 10, 27-32.	0.1	0
252	Etiology and Pathogenesis of Hepatocellular Carcinoma: Epigenetic Mechanisms. , 2017, , 3029-3040.		0
254	Genomic Applications and Insights in Unravelling Cancer Signalling Pathways. , 2019, , 471-511.		0
257	Roles of retrotransposons in benign and malignant hematologic disease. Cellscience, 2009, 6, 121-145.	0.3	5
258	Genome-wide perturbations of Alu expression and Alu-associated post-transcriptional regulations distinguish oligodendroglioma from other gliomas. Communications Biology, 2022, 5, 62.	2.0	3
260	Aberrant Expression of ADARB1 Facilitates Temozolomide Chemoresistance and Immune Infiltration in Glioblastoma. Frontiers in Pharmacology, 2022, 13, 768743.	1.6	3
261	ADAR1-mediated RNA editing links ganglioside catabolism to glioblastoma stem cell maintenance. Journal of Clinical Investigation, 2022, 132, .	3.9	27
262	Nano-immunotherapeutic strategies for targeted RNA delivery: Emphasizing the role of monocyte/macrophages as nanovehicles to treat glioblastoma multiforme. Journal of Drug Delivery Science and Technology, 2022, 71, 103288.	1.4	5
263	Conservation of A-to-I RNA editing in bowhead whale and pig. PLoS ONE, 2021, 16, e0260081.	1.1	2
265	Interplay between A-to-I Editing and Splicing of RNA: A Potential Point of Application for Cancer Therapy. International Journal of Molecular Sciences, 2022, 23, 5240.	1.8	9
266	Dynamic Network Construction for Identifying Early Warning Signals Based On a Data-Driven Approach: Early Diagnosis Biomarker Discovery for Gastric Cancer. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 923-931.	1.9	1
267	An investigation of the relationship between matriptase-2 protein expression and histopathological data in breast cancer. , 2022, 33, 201074.		0

#	Article	IF	CITATIONS
268	Noncoding RNAs as sensors of tumor microenvironmental stress. Journal of Experimental and Clinical Cancer Research, 2022, 41, .	3.5	8
269	ADAR2 Protein Is Associated with Overall Survival in GBM Patients and Its Decrease Triggers the Anchorage-Independent Cell Growth Signature. Biomolecules, 2022, 12, 1142.	1.8	1
270	ADAR3 activates NF-κB signaling and promotes glioblastoma cell resistance to temozolomide. Scientific Reports, 2022, 12, .	1.6	11
272	The allelic regulation of tumor suppressor ADARB2 in papillary thyroid carcinoma. Endocrine-Related Cancer, 2022, , .	1.6	1
273	Epigenetic Regulations in Autoimmunity and Cancer: from Basic Science to Translational Medicine. European Journal of Immunology, 2023, 53, .	1.6	3
274	The Interplay between RNA Editing Regulator ADAR1 and Immune Environment in Colorectal Cancer. Journal of Oncology, 2023, 2023, 1-13.	0.6	4
276	Understanding the Epitranscriptome for Avant-Garde Brain Tumour Diagnostics. Cancers, 2023, 15, 1232.	1.7	2
277	Regulation of posttranscriptional events by RNA-binding proteins. , 2023, , 93-108.		0
279	Clinical relevance of RNA editing profiles in lung adenocarcinoma. Frontiers in Genetics, 0, 14, .	1.1	0
280	The emerging roles of epitranscriptomic marks in cancer. , 2023, , 129-141.		0
281	Deciphering glioma epitranscriptome: focus on RNA modifications. Oncogene, 2023, 42, 2197-2206.	2.6	3
283	Regulation and functions of non-m6A mRNA modifications. Nature Reviews Molecular Cell Biology, 2023, 24, 714-731.	16.1	25
288	Recent Advances in Adenosine-to-Inosine RNA Editing in Cancer. Cancer Treatment and Research, 2023, , 143-179.	0.2	0