

# Ronald B Emeson

## List of Publications by Year in descending order

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56  
papers

5,127  
citations

159585

30  
h-index

175258

52  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3861  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of serotonin-2C receptor G-protein coupling by RNA editing. <i>Nature</i> , 1997, 387, 303-308.	27.8	966
2	Regulation of alternative splicing by RNA editing. <i>Nature</i> , 1999, 399, 75-80.	27.8	562
3	FUNCTIONS AND MECHANISMS OF RNA EDITING. <i>Annual Review of Genetics</i> , 2000, 34, 499-531.	7.6	437
4	RNA Editing of the Human Serotonin 5-Hydroxytryptamine 2C Receptor Silences Constitutive Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 9472-9478.	3.4	333
5	The Solution Structure of the ADAR2 dsRBM-RNA Complex Reveals a Sequence-Specific Readout of the Minor Groove. <i>Cell</i> , 2010, 143, 225-237.	28.9	212
6	Modulation of RNA editing by functional nucleolar sequestration of ADAR2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14018-14023.	7.1	170
7	Decreased Bone Formation and Osteopenia in Mice Lacking $\hat{\pm}$ -Calcitonin Gene-Related Peptide. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 2049-2056.	2.8	150
8	Alternative production of calcitonin and CGRP mRNA is regulated at the calcitonin-specific splice acceptor. <i>Nature</i> , 1989, 341, 76-80.	27.8	149
9	Glutamate receptor RNA editing in vitro by enzymatic conversion of adenosine to inosine. <i>Science</i> , 1995, 267, 1491-1494.	12.6	138
10	RNA-editing of the 5-HT <sub>2C</sub> receptor alters agonist-receptor-effector coupling specificity. <i>British Journal of Pharmacology</i> , 2001, 134, 386-392.	5.4	130
11	Mice with altered serotonin 2C receptor RNA editing display characteristics of Prader-Willi syndrome. <i>Neurobiology of Disease</i> , 2010, 39, 169-180.	4.4	121
12	Mice Lacking $\hat{\pm}$ -Calcitonin Gene-Related Peptide Exhibit Normal Cardiovascular Regulation and Neuromuscular Development. <i>Molecular and Cellular Neurosciences</i> , 1999, 14, 99-120.	2.2	120
13	Structure and Specific RNA Binding of ADAR2 Double-Stranded RNA Binding Motifs. <i>Structure</i> , 2006, 14, 345-355.	3.3	101
14	Altered RNA Editing in Mice Lacking ADAR2 Autoregulation. <i>Molecular and Cellular Biology</i> , 2006, 26, 480-488.	2.3	96
15	Structure and Sequence Determinants Required for the RNA Editing of ADAR2 Substrates. <i>Journal of Biological Chemistry</i> , 2004, 279, 4941-4951.	3.4	95
16	Developmental Modulation of GABA <sub>A</sub> Receptor Function by RNA Editing. <i>Journal of Neuroscience</i> , 2008, 28, 6196-6201.	3.6	94
17	RNA Editing. <i>Annual Review of Neuroscience</i> , 1996, 19, 27-52.	10.7	93
18	Serotonin-2C Receptor Pre-mRNA Editing in Rat Brain and in Vitro by Splice Site Variants of the Interferon-inducible Double-stranded RNA-specific Adenosine Deaminase ADAR1. <i>Journal of Biological Chemistry</i> , 1999, 274, 18351-18358.	3.4	86

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19	Identification and Characterization of RNA Editing Events within the 5-HT <sub>2C</sub> Receptor. <i>Annals of the New York Academy of Sciences</i> , 1998, 861, 38-48.	3.8	81
20	ADAR1 and ADAR2 Expression and Editing Activity during Forebrain Development. <i>Developmental Neuroscience</i> , 2009, 31, 223-237.	2.0	79
21	Calcitonin Deficiency in Mice Progressively Results in High Bone Turnover. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 1924-1934.	2.8	71
22	The role of calcitonin and $\hat{1}\pm$ -calcitonin gene-related peptide in bone formation. <i>Archives of Biochemistry and Biophysics</i> , 2008, 473, 210-217.	3.0	67
23	Functional Status of the Serotonin 5-HT <sub>2C</sub> Receptor (5-HT <sub>2CR</sub> ) Drives Interlocked Phenotypes that Precipitate Relapse-Like Behaviors in Cocaine Dependence. <i>Neuropsychopharmacology</i> , 2014, 39, 360-372.	5.4	67
24	Loss of $\hat{1}\pm$ CGRP Reduces Sound-Evoked Activity in the Cochlear Nerve. <i>Journal of Neurophysiology</i> , 2003, 90, 2941-2949.	1.8	63
25	Editing of Neurotransmitter Receptor and Ion Channel RNAs in the Nervous System. <i>Current Topics in Microbiology and Immunology</i> , 2011, 353, 61-90.	1.1	59
26	A Signal Sequence Is Sufficient for Green Fluorescent Protein to Be Routed to Regulated Secretory Granules**This work was supported by NIH Grants DK-32948, DA-00266 (to R.E.M.), and NS-35891 (to Tj ETQq0 028gBT /Ove lock 10		
27	Hyperphagia-mediated Obesity in Transgenic Mice Misexpressing the RNA-editing Enzyme ADAR2*. <i>Journal of Biological Chemistry</i> , 2007, 282, 22448-22459.	3.4	54
28	Protective Roles of $\hat{1}\pm$ -Calcitonin and $\hat{1}^2$ -Calcitonin Gene-Related Peptide in Spontaneous and Experimentally Induced Colitis. <i>Digestive Diseases and Sciences</i> , 2008, 53, 229-241.	2.3	33
29	Impact of RNA editing on functions of the serotonin 2C receptor in vivo. <i>Frontiers in Neuroscience</i> , 2010, 4, 26.	2.8	33
30	Quantitative analysis of 5HT <sub>2C</sub> receptor RNA editing patterns in psychiatric disorders. <i>Neurobiology of Disease</i> , 2012, 45, 8-13.	4.4	33
31	High-Throughput Multiplexed Transcript Analysis Yields Enhanced Resolution of 5-Hydroxytryptamine <sub>2C</sub> Receptor mRNA Editing Profiles. <i>Molecular Pharmacology</i> , 2010, 77, 895-902.	2.3	30
32	Oligonucleotide-induced alternative splicing of serotonin 2C receptor reduces food intake. <i>EMBO Molecular Medicine</i> , 2016, 8, 878-894.	6.9	30
33	Altered intrathalamic GABA <sub>A</sub> neurotransmission in a mouse model of a human genetic absence epilepsy syndrome. <i>Neurobiology of Disease</i> , 2015, 73, 407-417.	4.4	29
34	One hundred million adenosine-to-inosine RNA editing sites: Hearing through the noise. <i>BioEssays</i> , 2014, 36, 730-735.	2.5	28
35	The activity of the serotonin receptor 2C is regulated by alternative splicing. <i>Human Genetics</i> , 2017, 136, 1079-1091.	3.8	23
36	Adenosine-to-Inosine Conversion in mRNA. , 2014, , 343-361.		22

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37	A Signal Sequence Is Sufficient for Green Fluorescent Protein to Be Routed to Regulated Secretory Granules. <i>Endocrinology</i> , 2001, 142, 864-873.	2.8	22
38	Reovirus-mediated induction of ADAR1 (p150) minimally alters RNA editing patterns in discrete brain regions. <i>Molecular and Cellular Neurosciences</i> , 2014, 61, 97-109.	2.2	21
39	Substrate-dependent Contribution of Double-stranded RNA-binding Motifs to ADAR2 Function. <i>Molecular Biology of the Cell</i> , 2006, 17, 3211-3220.	2.1	20
40	Mutations underlying Episodic Ataxia type-1 antagonize Kv1.1 RNA editing. <i>Scientific Reports</i> , 2017, 7, 41095.	3.3	19
41	An innovative real-time PCR method to measure changes in RNA editing of the serotonin 2C receptor (5-HT2CR) in brain. <i>Journal of Neuroscience Methods</i> , 2009, 179, 247-257.	2.5	18
42	Regulation of RNA editing by intracellular acidification. <i>Nucleic Acids Research</i> , 2021, 49, 4020-4036.	14.5	18
43	RNA editing as a therapeutic target for CNS disorders. <i>Neuropsychopharmacology</i> , 2009, 34, 246-246.	5.4	17
44	Food Fight: The NPY-Serotonin Link Between Aggression and Feeding Behavior. <i>Science Signaling</i> , 2005, pe12-pe12.	3.6	16
45	Differential effects of Calca-derived peptides in male mice with diet-induced obesity. <i>PLoS ONE</i> , 2017, 12, e0180547.	2.5	12
46	Mouse Models to Elucidate the Functional Roles of Adenosine-to-Inosine Editing. <i>Methods in Enzymology</i> , 2007, 424, 333-367.	1.0	11
47	Comparative analysis of A-to-I editing in human and non-human primate brains reveals conserved patterns and context-dependent regulation of RNA editing. <i>Molecular Brain</i> , 2017, 10, 11.	2.6	10
48	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.	3.9	9
49	Quantitative Analysis of Adenosine-to-Inosine RNA Editing. <i>Methods in Molecular Biology</i> , 2021, 2181, 97-111.	0.9	8
50	Photoperiodic effects on monoamine signaling and gene expression throughout development in the serotonin and dopamine systems. <i>Scientific Reports</i> , 2020, 10, 15437.	3.3	7
51	Letter to the Editor: Resonance assignments of the double-stranded RNA-binding of adenosine deaminase acting on RNA 2 (ADAR2). <i>Journal of Biomolecular NMR</i> , 2005, 31, 71-72.	2.8	5
52	Tissue-Specific Alternative RNA Processing in Calcitonin/ Calcitonin Gene-Related Peptide Gene Expression. <i>Cellular Physiology and Biochemistry</i> , 1993, 3, 181-196.	1.6	3
53	Alterations in Neurogenic Inflammatory Responses in Mice Lacking $\pm$ CGRP. <i>Scientific World Journal</i> , The, 2001, 1, 7-7.	2.1	2
54	Physiological roles of edited serotonin 2C receptor isoforms. <i>FASEB Journal</i> , 2007, 21, A211.	0.5	0

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55	Transcriptional and Post-Transcriptional Strategies in Neuroendocrine Gene Expression. , 1988, 5, 317-334.		0
56	Structure and Localization of the Rabbit Prostaglandin EP3 Receptor. Advances in Experimental Medicine and Biology, 1997, 400A, 261-268.	1.6	0