

Jeremy E Wilusz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	6,781 citations	30 h-index	54 g-index
54 ext. papers	8,341 ext. citations	15.4 avg, IF	6.86 L-index

#	Paper	IF	Citations
46	Long noncoding RNAs: functional surprises from the RNA world. <i>Genes and Development</i> , 2009 , 23, 1494-504	12.6	1711
45	Short intronic repeat sequences facilitate circular RNA production. <i>Genes and Development</i> , 2014 , 28, 2233-47	12.6	579
44	3Vend processing of a long nuclear-retained noncoding RNA yields a tRNA-like cytoplasmic RNA. <i>Cell</i> , 2008 , 135, 919-32	56.2	497
43	MEN epsilon/beta nuclear-retained non-coding RNAs are up-regulated upon muscle differentiation and are essential components of paraspeckles. <i>Genome Research</i> , 2009 , 19, 347-59	9.7	469
42	Molecular biology. A circuitous route to noncoding RNA. <i>Science</i> , 2013 , 340, 440-1	33.3	346
41	Combinatorial control of Drosophila circular RNA expression by intronic repeats, hnRNPs, and SR proteins. <i>Genes and Development</i> , 2015 , 29, 2168-82	12.6	300
40	A triple helix stabilizes the 3Vends of long noncoding RNAs that lack poly(A) tails. <i>Genes and Development</i> , 2012 , 26, 2392-407	12.6	286
39	A 360° view of circular RNAs: From biogenesis to functions. <i>Wiley Interdisciplinary Reviews RNA</i> , 2018 , 9, e1478	9.3	251
38	Sensing Self and Foreign Circular RNAs by Intron Identity. <i>Molecular Cell</i> , 2017 , 67, 228-238.e5	17.6	226
37	The Output of Protein-Coding Genes Shifts to Circular RNAs When the Pre-mRNA Processing Machinery Is Limiting. <i>Molecular Cell</i> , 2017 , 68, 940-954.e3	17.6	213
36	Non-AUG translation: a new start for protein synthesis in eukaryotes. <i>Genes and Development</i> , 2017 , 31, 1717-1731	12.6	174
35	Circular RNA CircFndc3b modulates cardiac repair after myocardial infarction via FUS/VEGF-A axis. <i>Nature Communications</i> , 2019 , 10, 4317	17.4	171
34	High-Resolution Mapping of RNA-Binding Regions in the Nuclear Proteome of Embryonic Stem Cells. <i>Molecular Cell</i> , 2016 , 64, 416-430	17.6	161
33	A length-dependent evolutionarily conserved pathway controls nuclear export of circular RNAs. <i>Genes and Development</i> , 2018 , 32, 639-644	12.6	146
32	Long noncoding RNAs: Re-writing dogmas of RNA processing and stability. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016 , 1859, 128-38	6	140
31	Biogenesis and Functions of Circular RNAs Come into Focus. <i>Trends in Cell Biology</i> , 2020 , 30, 226-240	18.3	121
30	tRNAs marked with CCACCA are targeted for degradation. <i>Science</i> , 2011 , 334, 817-21	33.3	111

29	A 3VPoly(A) Tract Is Required for LINE-1 Retrotransposition. <i>Molecular Cell</i> , 2015 , 60, 728-741	17.6	87
28	Circular RNAs: Unexpected outputs of many protein-coding genes. <i>RNA Biology</i> , 2017 , 14, 1007-1017	4.8	72
27	An improved method for circular RNA purification using RNase R that efficiently removes linear RNAs containing G-quadruplexes or structured 3Vends. <i>Nucleic Acids Research</i> , 2019 , 47, 8755-8769	20.1	67
26	The Integrator Complex Attenuates Promoter-Proximal Transcription at Protein-Coding Genes. <i>Molecular Cell</i> , 2019 , 76, 738-752.e7	17.6	62
25	Tissue-Dependent Expression and Translation of Circular RNAs with Recombinant AAV Vectors InVivo. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 13, 89-98	10.7	56
24	An Uncharted Journey for Ribosomes: Circumnavigating Circular RNAs to Produce Proteins. <i>Molecular Cell</i> , 2017 , 66, 1-2	17.6	54
23	The Integrator complex cleaves nascent mRNAs to attenuate transcription. <i>Genes and Development</i> , 2019 , 33, 1525-1538	12.6	54
22	On-enzyme refolding permits small RNA and tRNA surveillance by the CCA-adding enzyme. <i>Cell</i> , 2015 , 160, 644-658	56.2	52
21	An unexpected ending: noncanonical 3Vend processing mechanisms. <i>Rna</i> , 2010 , 16, 259-66	5.8	49
20	Controlling translation via modulation of tRNA levels. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015 , 6, 453-70.3	9.3	47
19	Repetitive elements regulate circular RNA biogenesis. <i>Mobile Genetic Elements</i> , 2015 , 5, 1-7		36
18	A conserved virus-induced cytoplasmic TRAMP-like complex recruits the exosome to target viral RNA for degradation. <i>Genes and Development</i> , 2016 , 30, 1658-70	12.6	35
17	Ribosome queuing enables non-AUG translation to be resistant to multiple protein synthesis inhibitors. <i>Genes and Development</i> , 2019 , 33, 871-885	12.6	32
16	Inducible Expression of Eukaryotic Circular RNAs from Plasmids. <i>Methods in Molecular Biology</i> , 2017 , 1648, 143-154	1.4	22
15	The negative regulator of splicing element of Rous sarcoma virus promotes polyadenylation. <i>Journal of Virology</i> , 2006 , 80, 9634-40	6.6	21
14	Removing roadblocks to deep sequencing of modified RNAs. <i>Nature Methods</i> , 2015 , 12, 821-2	21.6	20
13	Chimeric peptide nucleic acid compounds modulate splicing of the bcl-x gene in vitro and in vivo. <i>Nucleic Acids Research</i> , 2005 , 33, 6547-54	20.1	17
12	Best practices to ensure robust investigation of circular RNAs: pitfalls and tips. <i>EMBO Reports</i> , 2021 , 22, e52072	6.5	14

11	The Integrator Complex in Transcription and Development. <i>Trends in Biochemical Sciences</i> , 2020 , 45, 923-934	10.5	13
10	Engineering highly efficient backsplicing and translation of synthetic circRNAs. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 23, 821-834	10.7	13
9	Circle the Wagons: Circular RNAs Control Innate Immunity. <i>Cell</i> , 2019 , 177, 797-799	56.2	12
8	TET2 chemically modifies tRNAs and regulates tRNA fragment levels. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 62-70	17.6	12
7	The capping enzyme facilitates promoter escape and assembly of a follow-on preinitiation complex for reinitiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22573-22582	11.5	7
6	CRISPR/Cas13 effectors have differing extents of off-target effects that limit their utility in eukaryotic cells.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	5
5	Nonsense-mediated RNA decay: at the cutting edge of regulated snoRNA production. <i>Genes and Development</i> , 2014 , 28, 2447-9	12.6	4
4	CRISPR/Cas13 effectors have differing extents of off-target effects that limit their utility in eukaryotic cells		3
3	Attenuation of Eukaryotic Protein-Coding Gene Expression via Premature Transcription Termination. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2019 , 84, 83-93	3.9	1
2	RNAi Screening to Identify Factors That Control Circular RNA Localization. <i>Methods in Molecular Biology</i> , 2021 , 2209, 321-332	1.4	1
1	Use of circular RNAs as markers of readthrough transcription to identify factors regulating cleavage/polyadenylation events. <i>Methods</i> , 2021 , 196, 121-128	4.6	0