

# Jeff Coller

## 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.

49  
papers

4,887  
citations

26  
h-index

69  
g-index

91  
ext. papers

6,099  
ext. citations

17.3  
avg, IF

6.25  
L-index

#	Paper	IF	Citations
49	RNA in unexpected places: long non-coding RNA functions in diverse cellular contexts. <i>Nature Reviews Molecular Cell Biology</i> , <b>2013</b> , 14, 699-712	48.7	1047
48	General translational repression by activators of mRNA decapping. <i>Cell</i> , <b>2005</b> , 122, 875-86	56.2	489
47	Codon optimality is a major determinant of mRNA stability. <i>Cell</i> , <b>2015</b> , 160, 1111-24	56.2	485
46	Eukaryotic mRNA decapping. <i>Annual Review of Biochemistry</i> , <b>2004</b> , 73, 861-90	29.1	397
45	Staufen- and FMRP-containing neuronal RNPs are structurally and functionally related to somatic P bodies. <i>Neuron</i> , <b>2006</b> , 52, 997-1009	13.9	295
44	Codon optimality, bias and usage in translation and mRNA decay. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 20-30	48.7	275
43	Co-translational mRNA decay in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , <b>2009</b> , 461, 225-9	50.4	247
42	The DEAD-Box Protein Dhh1p Couples mRNA Decay and Translation by Monitoring Codon Optimality. <i>Cell</i> , <b>2016</b> , 167, 122-132.e9	56.2	148
41	Translation of small open reading frames within unannotated RNA transcripts in <i>Saccharomyces cerevisiae</i> . <i>Cell Reports</i> , <b>2014</b> , 7, 1858-66	10.6	119
40	Pausing on Polyribosomes: Make Way for Elongation in Translational Control. <i>Cell</i> , <b>2015</b> , 163, 292-300	56.2	111
39	Decapping of long noncoding RNAs regulates inducible genes. <i>Molecular Cell</i> , <b>2012</b> , 45, 279-91	17.6	111
38	The DEAD-box protein Dhh1 promotes decapping by slowing ribosome movement. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001342	9.7	109
37	Short poly(A) tails are a conserved feature of highly expressed genes. <i>Nature Structural and Molecular Biology</i> , <b>2017</b> , 24, 1057-1063	17.6	106
36	mRNA Deadenylation Is Coupled to Translation Rates by the Differential Activities of Ccr4-Not Nucleases. <i>Molecular Cell</i> , <b>2018</b> , 70, 1089-1100.e8	17.6	100
35	Crystal structure and functional analysis of DEAD-box protein Dhh1p. <i>Rna</i> , <b>2005</b> , 11, 1258-70	5.8	97
34	What comes first: translational repression or mRNA degradation? The deepening mystery of microRNA function. <i>Cell Research</i> , <b>2012</b> , 22, 1322-4	24.7	64
33	Microtubule disruption stimulates P-body formation. <i>Rna</i> , <b>2007</b> , 13, 493-502	5.8	64

32	Nonsense-mediated mRNA decapping occurs on polyribosomes in <i>Saccharomyces cerevisiae</i> . <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 244-7	17.6	63
31	The Ccr4-Not complex monitors the translating ribosome for codon optimality. <i>Science</i> , <b>2020</b> , 368,	33.3	59
30	Structural and molecular mechanisms for the control of eukaryotic 5F3TmRNA decay. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 1077-1085	17.6	58
29	KLF15 Establishes the Landscape of Diurnal Expression in the Heart. <i>Cell Reports</i> , <b>2015</b> , 13, 2368-2375	10.6	51
28	The DHH1/RCKp54 family of helicases: an ancient family of proteins that promote translational silencing. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2013</b> , 1829, 817-23	6	46
27	A novel origin for granulovacuolar degeneration in aging and Alzheimer's disease: parallels to stress granules. <i>Laboratory Investigation</i> , <b>2011</b> , 91, 1777-86	5.9	37
26	Tethered function assays: an adaptable approach to study RNA regulatory proteins. <i>Methods in Enzymology</i> , <b>2007</b> , 429, 299-321	1.7	36
25	Quantitative tRNA-sequencing uncovers metazoan tissue-specific tRNA regulation. <i>Nature Communications</i> , <b>2020</b> , 11, 4104	17.4	29
24	Translation elongation and mRNA stability are coupled through the ribosomal A-site. <i>Rna</i> , <b>2018</b> , 24, 1377-1389	5.3	26
23	Attenuated Codon Optimality Contributes to Neural-Specific mRNA Decay in <i>Drosophila</i> . <i>Cell Reports</i> , <b>2018</b> , 24, 1704-1712	10.6	25
22	Methods to determine mRNA half-life in <i>Saccharomyces cerevisiae</i> . <i>Methods in Enzymology</i> , <b>2008</b> , 448, 267-84	1.7	25
21	Cotranslational microRNA mediated messenger RNA destabilization. <i>ELife</i> , <b>2016</b> , 5,	8.9	23
20	The deadenylase components Not2p, Not3p, and Not5p promote mRNA decapping. <i>Rna</i> , <b>2016</b> , 22, 709-718	5.8	21
19	Codon and amino acid content are associated with mRNA stability in mammalian cells. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228730	3.7	19
18	A quantitative assay for measuring mRNA decapping by splinted ligation reverse transcription polymerase chain reaction: qSL-RT-PCR. <i>Rna</i> , <b>2011</b> , 17, 535-43	5.8	19
17	The yeast Apq12 protein affects nucleocytoplasmic mRNA transport. <i>Rna</i> , <b>2004</b> , 10, 1352-8	5.8	16
16	Roles of mRNA poly(A) tails in regulation of eukaryotic gene expression. <i>Nature Reviews Molecular Cell Biology</i> , <b>2021</b> ,	48.7	14
15	A Universal Code for mRNA Stability?. <i>Trends in Genetics</i> , <b>2016</b> , 32, 687-688	8.5	12

14	XRN1: A Major 5'To 3'TExoribonuclease in Eukaryotic Cells. <i>The Enzymes</i> , <b>2012</b> , 31, 97-114	2.3	11
13	mRNA decapping in 3D. <i>Nature Structural and Molecular Biology</i> , <b>2016</b> , 23, 954-956	17.6	5
12	Ccr4 and Pop2 control poly(A) tail length in <i>Saccharomyces cerevisiae</i>		5
11	Method for measuring mRNA decay rate in <i>Saccharomyces cerevisiae</i> . <i>Methods in Enzymology</i> , <b>2013</b> , 530, 137-55	1.7	3
10	A Method that Will Captivate U. <i>Molecular Cell</i> , <b>2015</b> , 59, 716-7	17.6	2
9	Polysome analysis for determining mRNA and ribosome association in <i>Saccharomyces cerevisiae</i> . <i>Methods in Enzymology</i> , <b>2013</b> , 530, 193-206	1.7	2
8	Alternate endings: a new story for mRNA decapping. <i>Molecular Cell</i> , <b>2010</b> , 40, 349-50	17.6	2
7	Suppression of premature transcription termination leads to reduced mRNA isoform diversity and neurodegeneration.. <i>Neuron</i> , <b>2022</b> ,	13.9	2
6	The Ccr4-Not complex monitors the translating ribosome for codon optimality		2
5	PAN-orama: three convergent views of a eukaryotic deadenylase. <i>Nature Structural and Molecular Biology</i> , <b>2014</b> , 21, 577-8	17.6	1
4	Codon Usage and Amino Acid Identity Are Major Determinants of MRNA Stability in Humans. <i>SSRN Electronic Journal</i> ,	1	1
3	Codon optimality-mediated mRNA degradation: Linking translational elongation to mRNA stability.. <i>Molecular Cell</i> , <b>2022</b> , 82, 1467-1476	17.6	0
2	Caps and tales. <i>Rna</i> , <b>2015</b> , 21, 588-9	5.8	
1	Control of mRNA metabolism by deadenylation. <i>FASEB Journal</i> , <b>2013</b> , 27, 325.1	0.9	