

Aaron C Goldstrohm

List of Publications by Year in Descending Order

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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.

30
papers

1,638
citations

17
h-index

40
g-index

41
ext. papers

2,043
ext. citations

8.9
avg, IF

4.86
L-index

#	Paper	IF	Citations
30	Molecular and biological functions of TRIM-NHL RNA-binding proteins. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021 , 12, e1620	9.3	3
29	Human Pumilio proteins directly bind the CCR4-NOT deadenylase complex to regulate the transcriptome. <i>Rna</i> , 2021 , 27, 445-464	5.8	5
28	Unique repression domains of Pumilio utilize deadenylation and decapping factors to accelerate destruction of target mRNAs. <i>Nucleic Acids Research</i> , 2020 , 48, 1843-1871	20.1	11
27	Differential processing and localization of human Nocturnin controls metabolism of mRNA and nicotinamide adenine dinucleotide cofactors. <i>Journal of Biological Chemistry</i> , 2020 , 295, 15112-15133	5.4	2
26	Principles of mRNA control by human PUM proteins elucidated from multimodal experiments and integrative data analysis. <i>Rna</i> , 2020 , 26, 1680-1703	5.8	3
25	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
24	Preparation of cooperative RNA recognition complexes for crystallographic structural studies. <i>Methods in Enzymology</i> , 2019 , 623, 1-22	1.7	
23	Inhibiting transcription in cultured metazoan cells with actinomycin D to monitor mRNA turnover. <i>Methods</i> , 2019 , 155, 77-87	4.6	14
22	Global analysis of RNA metabolism using bio-orthogonal labeling coupled with next-generation RNA sequencing. <i>Methods</i> , 2019 , 155, 88-103	4.6	4
21	Identification of diverse target RNAs that are functionally regulated by human Pumilio proteins. <i>Nucleic Acids Research</i> , 2018 , 46, 362-386	20.1	42
20	Regulatory roles of vertebrate Nocturnin: insights and remaining mysteries. <i>RNA Biology</i> , 2018 , 15, 1255-1267	12.67	4
19	Post-transcriptional Regulatory Functions of Mammalian Pumilio Proteins. <i>Trends in Genetics</i> , 2018 , 34, 972-990	8.5	70
18	The structure of human Nocturnin reveals a conserved ribonuclease domain that represses target transcript translation and abundance in cells. <i>Nucleic Acids Research</i> , 2018 , 46, 6257-6270	20.1	15
17	Combinatorial control of messenger RNAs by Pumilio, Nanos and Brain Tumor Proteins. <i>RNA Biology</i> , 2017 , 14, 1445-1456	4.8	31
16	RAN translation at C9orf72-associated repeat expansions is selectively enhanced by the integrated stress response. <i>Nature Communications</i> , 2017 , 8, 2005	17.4	105
15	Integrated analysis of RNA-binding protein complexes using in vitro selection and high-throughput sequencing and sequence specificity landscapes (SEQRS). <i>Methods</i> , 2017 , 118-119, 171-181	4.6	17
14	Drosophila Nanos acts as a molecular clamp that modulates the RNA-binding and repression activities of Pumilio. <i>ELife</i> , 2016 , 5,	8.9	47

13	CGG Repeat-Associated Non-AUG Translation Utilizes a Cap-Dependent Scanning Mechanism of Initiation to Produce Toxic Proteins. <i>Molecular Cell</i> , 2016 , 62, 314-322	17.6	98
12	The RNA binding domain of Pumilio antagonizes poly-adenosine binding protein and accelerates deadenylation. <i>Rna</i> , 2014 , 20, 1298-319	5.8	52
11	A guide to design and optimization of reporter assays for 3'untranslated region mediated regulation of mammalian messenger RNAs. <i>Methods</i> , 2013 , 63, 110-8	4.6	14
10	Identification of regulatory mechanisms and RNA targets of human Pumilio proteins. <i>FASEB Journal</i> , 2013 , 27, lb154	0.9	
9	A eukaryotic translation initiation factor 4E-binding protein promotes mRNA decapping and is required for PUF repression. <i>Molecular and Cellular Biology</i> , 2012 , 32, 4181-94	4.8	45
8	Drosophila Pumilio protein contains multiple autonomous repression domains that regulate mRNAs independently of Nanos and brain tumor. <i>Molecular and Cellular Biology</i> , 2012 , 32, 527-40	4.8	56
7	Human Pumilio proteins recruit multiple deadenylases to efficiently repress messenger RNAs. <i>Journal of Biological Chemistry</i> , 2012 , 287, 36370-83	5.4	128
6	FBF and its dual control of gld-1 expression in the Caenorhabditis elegans germline. <i>Genetics</i> , 2009 , 181, 1249-60	4	99
5	Multifunctional deadenylase complexes diversify mRNA control. <i>Nature Reviews Molecular Cell Biology</i> , 2008 , 9, 337-44	48.7	287
4	Regulated deadenylation in vitro. <i>Methods in Enzymology</i> , 2008 , 448, 77-106	1.7	13
3	PUF protein-mediated deadenylation is catalyzed by Ccr4p. <i>Journal of Biological Chemistry</i> , 2007 , 282, 109-14	5.4	121
2	Two yeast PUF proteins negatively regulate a single mRNA. <i>Journal of Biological Chemistry</i> , 2007 , 282, 15430-8	5.4	73
1	PUF proteins bind Pop2p to regulate messenger RNAs. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 533-9	17.6	247