Aaron C Goldstrohm

List of Publications by Citations

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	Multifunctional deadenylase complexes diversify mRNA control. *Nature Reviews Molecular Cell Biology*, **2008**, 9, 337-44	48.7	287
29	PUF proteins bind Pop2p to regulate messenger RNAs. *Nature Structural and Molecular Biology*, **2006**, 13, 533-9	17.6	247
28	Human Pumilio proteins recruit multiple deadenylases to efficiently repress messenger RNAs. *Journal of Biological Chemistry*, **2012**, 287, 36370-83	5.4	128
27	PUF protein-mediated deadenylation is catalyzed by Ccr4p. *Journal of Biological Chemistry*, **2007**, 282, 109-14	5.4	121
26	RAN translation at C9orf72-associated repeat expansions is selectively enhanced by the integrated stress response. *Nature Communications*, **2017**, 8, 2005	17.4	105
25	FBF and its dual control of gld-1 expression in the Caenorhabditis elegans germline. *Genetics*, **2009**, 181, 1249-60	4	99
24	CGG Repeat-Associated Non-AUG Translation Utilizes a Cap-Dependent Scanning Mechanism of Initiation to Produce Toxic Proteins. *Molecular Cell*, **2016**, 62, 314-322	17.6	98
23	Two yeast PUF proteins negatively regulate a single mRNA. *Journal of Biological Chemistry*, **2007**, 282, 15430-8	5.4	73
22	Post-transcriptional Regulatory Functions of Mammalian Pumilio Proteins. *Trends in Genetics*, **2018**, 34, 972-990	8.5	70
21	Drosophila Pumilio protein contains multiple autonomous repression domains that regulate mRNAs independently of Nanos and brain tumor. *Molecular and Cellular Biology*, **2012**, 32, 527-40	4.8	56
20	The RNA binding domain of Pumilio antagonizes poly-adenosine binding protein and accelerates deadenylation. *Rna*, **2014**, 20, 1298-319	5.8	52
19	Drosophila Nanos acts as a molecular clamp that modulates the RNA-binding and repression activities of Pumilio. *ELife*, **2016**, 5,	8.9	47
18	A eukaryotic translation initiation factor 4E-binding protein promotes mRNA decapping and is required for PUF repression. *Molecular and Cellular Biology*, **2012**, 32, 4181-94	4.8	45
17	Identification of diverse target RNAs that are functionally regulated by human Pumilio proteins. *Nucleic Acids Research*, **2018**, 46, 362-386	20.1	42
16	Ribosome queuing enables non-AUG translation to be resistant to multiple protein synthesis inhibitors. *Genes and Development*, **2019**, 33, 871-885	12.6	32
15	Combinatorial control of messenger RNAs by Pumilio, Nanos and Brain Tumor Proteins. *RNA Biology*, **2017**, 14, 1445-1456	4.8	31
14	Integrated analysis of RNA-binding protein complexes using in vitro selection and high-throughput sequencing and sequence specificity landscapes (SEQRS). *Methods*, **2017**, 118-119, 171-181	4.6	17

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13	The structure of human Nocturnin reveals a conserved ribonuclease domain that represses target transcript translation and abundance in cells. *Nucleic Acids Research*, **2018**, 46, 6257-6270	20.1	15
12	A guide to design and optimization of reporter assays for 3buntranslated region mediated regulation of mammalian messenger RNAs. *Methods*, **2013**, 63, 110-8	4.6	14
11	Inhibiting transcription in cultured metazoan cells with actinomycin D to monitor mRNA turnover. *Methods*, **2019**, 155, 77-87	4.6	14
10	Regulated deadenylation in vitro. *Methods in Enzymology*, **2008**, 448, 77-106	1.7	13
9	Unique repression domains of Pumilio utilize deadenylation and decapping factors to accelerate destruction of target mRNAs. *Nucleic Acids Research*, **2020**, 48, 1843-1871	20.1	11
8	Human Pumilio proteins directly bind the CCR4-NOT deadenylase complex to regulate the transcriptome. *Rna*, **2021**, 27, 445-464	5.8	5
7	Global analysis of RNA metabolism using bio-orthogonal labeling coupled with next-generation RNA sequencing. *Methods*, **2019**, 155, 88-103	4.6	4
6	Regulatory roles of vertebrate Nocturnin: insights and remaining mysteries. *RNA Biology*, **2018**, 15, 1255-1267	4.8	4
5	Principles of mRNA control by human PUM proteins elucidated from multimodal experiments and integrative data analysis. *Rna*, **2020**, 26, 1680-1703	5.8	3
4	Molecular and biological functions of TRIM-NHL RNA-binding proteins. *Wiley Interdisciplinary Reviews RNA*, **2021**, 12, e1620	9.3	3
3	Differential processing and localization of human Nocturnin controls metabolism of mRNA and nicotinamide adenine dinucleotide cofactors. *Journal of Biological Chemistry*, **2020**, 295, 15112-15133	5.4	2
2	Preparation of cooperative RNA recognition complexes for crystallographic structural studies. *Methods in Enzymology*, **2019**, 623, 1-22	1.7	
1	Identification of regulatory mechanisms and RNA targets of human Pumilio proteins. *FASEB Journal* , **2013**, 27, lb154	0.9	