

Aaron C Goldstrohm

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,300
citations

361045

20
h-index

476904

29
g-index

41
all docs

41
docs citations

41
times ranked

2406
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional deadenylase complexes diversify mRNA control. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 337-344.	16.1	359
2	PUF proteins bind Pop2p to regulate messenger RNAs. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 533-539.	3.6	278
3	RAN translation at C9orf72-associated repeat expansions is selectively enhanced by the integrated stress response. <i>Nature Communications</i> , 2017, 8, 2005.	5.8	172
4	Human Pumilio Proteins Recruit Multiple Deadenylases to Efficiently Repress Messenger RNAs. <i>Journal of Biological Chemistry</i> , 2012, 287, 36370-36383.	1.6	165
5	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.	4.5	152
6	PUF Protein-mediated Deadenylation Is Catalyzed by Ccr4p. <i>Journal of Biological Chemistry</i> , 2007, 282, 109-114.	1.6	141
7	Post-transcriptional Regulatory Functions of Mammalian Pumilio Proteins. <i>Trends in Genetics</i> , 2018, 34, 972-990.	2.9	132
8	FBF and Its Dual Control of <i>gld-1</i> Expression in the <i>Caenorhabditis elegans</i> Germline. <i>Genetics</i> , 2009, 181, 1249-1260.	1.2	119
9	Identification of diverse target RNAs that are functionally regulated by human Pumilio proteins. <i>Nucleic Acids Research</i> , 2018, 46, 362-386.	6.5	80
10	Two Yeast PUF Proteins Negatively Regulate a Single mRNA. <i>Journal of Biological Chemistry</i> , 2007, 282, 15430-15438.	1.6	79
11	The RNA binding domain of Pumilio antagonizes poly-adenosine binding protein and accelerates deadenylation. <i>Rna</i> , 2014, 20, 1298-1319.	1.6	71
12	<i>Drosophila</i> Pumilio Protein Contains Multiple Autonomous Repression Domains That Regulate mRNAs Independently of Nanos and Brain Tumor. <i>Molecular and Cellular Biology</i> , 2012, 32, 527-540.	1.1	70
13	<i>Drosophila</i> Nanos acts as a molecular clamp that modulates the RNA-binding and repression activities of Pumilio. <i>ELife</i> , 2016, 5, .	2.8	66
14	Ribosome queuing enables non-AUG translation to be resistant to multiple protein synthesis inhibitors. <i>Genes and Development</i> , 2019, 33, 871-885.	2.7	60
15	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, 4181-4194.	1.1	55
16	Combinatorial control of messenger RNAs by Pumilio, Nanos and Brain Tumor Proteins. <i>RNA Biology</i> , 2017, 14, 1445-1456.	1.5	51
17	Inhibiting transcription in cultured metazoan cells with actinomycin D to monitor mRNA turnover. <i>Methods</i> , 2019, 155, 77-87.	1.9	37
18	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.	6.5	35

#	ARTICLE	IF	CITATIONS
19	Human Pumilio proteins directly bind the CCR4-NOT deadenylase complex to regulate the transcriptome. <i>Rna</i> , 2021, 27, 445-464.	1.6	32
20	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.	1.9	24
21	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.	6.5	22
22	A guide to design and optimization of reporter assays for 3' untranslated region mediated regulation of mammalian messenger RNAs. <i>Methods</i> , 2013, 63, 110-118.	1.9	19
23	Chapter 5 Regulated Deadenylation In Vitro. <i>Methods in Enzymology</i> , 2008, 448, 77-106.	0.4	18
24	Molecular and biological functions of TRIM-NHL RNA-binding proteins. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1620.	3.2	18
25	Principles of mRNA control by human PUM proteins elucidated from multimodal experiments and integrative data analysis. <i>Rna</i> , 2020, 26, 1680-1703.	1.6	14
26	Regulatory roles of vertebrate Nocturnin: insights and remaining mysteries. <i>RNA Biology</i> , 2018, 15, 1255-1267.	1.5	10
27	Global analysis of RNA metabolism using bio-orthogonal labeling coupled with next-generation RNA sequencing. <i>Methods</i> , 2019, 155, 88-103.	1.9	8
28	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.	1.6	6
29	A conserved domain of Drosophila RNA-binding protein Pumilio interacts with multiple CCR4-NOT deadenylase complex subunits to repress target mRNAs. <i>Journal of Biological Chemistry</i> , 2022, 298, 102270.	1.6	3
30	Preparation of cooperative RNA recognition complexes for crystallographic structural studies. <i>Methods in Enzymology</i> , 2019, 623, 1-22.	0.4	0
31	Biochemical and Next Generation Sequencing Approaches to Study RNA Regulation. <i>Methods</i> , 2019, 155, 1-2.	1.9	0
32	Identification of regulatory mechanisms and RNA targets of human Pumilio proteins. <i>FASEB Journal</i> , 2013, 27, lb154.	0.2	0