Amy E Pasquinelli

List of Publications by Citations

57 papers	15,755 citations	30 h-index	103 g-index
103 ext. papers	17,342 ext. citations	14.6 avg, IF	6.67 L-index

#	Paper	IF	Citations
57	The 21-nucleotide let-7 RNA regulates developmental timing in Caenorhabditis elegans. *Nature*, **2000**, 403, 901-6	50.4	3689
56	A cellular function for the RNA-interference enzyme Dicer in the maturation of the let-7 small temporal RNA. *Science*, **2001**, 293, 834-8	33.3	2200
55	Conservation of the sequence and temporal expression of let-7 heterochronic regulatory RNA. *Nature*, **2000**, 408, 86-9	50.4	1850
54	Genes and mechanisms related to RNA interference regulate expression of the small temporal RNAs that control C. elegans developmental timing. *Cell*, **2001**, 106, 23-34	56.2	1530
53	MicroRNAs and their targets: recognition, regulation and an emerging reciprocal relationship. *Nature Reviews Genetics*, **2012**, 13, 271-82	30.1	1191
52	Regulation by let-7 and lin-4 miRNAs results in target mRNA degradation. *Cell*, **2005**, 122, 553-63	56.2	1116
51	MicroRNA silencing through RISC recruitment of eIF6. *Nature*, **2007**, 447, 823-8	50.4	393
50	MicroRNA-responsive 'sensor' transgenes uncover Hox-like and other developmentally regulated patterns of vertebrate microRNA expression. *Nature Genetics*, **2004**, 36, 1079-83	36.3	378
49	The C elegans hunchback homolog, hbl-1, controls temporal patterning and is a probable microRNA target. *Developmental Cell*, **2003**, 4, 639-50	10.2	283
48	Control of developmental timing by micrornas and their targets. *Annual Review of Cell and Developmental Biology*, **2002**, 18, 495-513	12.6	278
47	MicroRNAs: a developing story. *Current Opinion in Genetics and Development*, **2005**, 15, 200-5	4.9	262
46	Comprehensive discovery of endogenous Argonaute binding sites in Caenorhabditis elegans. *Nature Structural and Molecular Biology*, **2010**, 17, 173-9	17.6	252
45	Functional genomic analysis of RNA interference in C. elegans. *Science*, **2005**, 308, 1164-7	33.3	244
44	MicroRNA biogenesis: regulating the regulators. *Critical Reviews in Biochemistry and Molecular Biology*, **2013**, 48, 51-68	8.7	206
43	MicroRNA assassins: factors that regulate the disappearance of miRNAs. *Nature Structural and Molecular Biology*, **2010**, 17, 5-10	17.6	205
42	Pairing beyond the Seed Supports MicroRNA Targeting Specificity. *Molecular Cell*, **2016**, 64, 320-333	17.6	199
41	Autoregulation of microRNA biogenesis by let-7 and Argonaute. *Nature*, **2012**, 486, 541-4	50.4	180

40	Trans-splicing and polyadenylation of let-7 microRNA primary transcripts. *Rna*, **2004**, 10, 1586-94	5.8	129
39	LIN-28 co-transcriptionally binds primary let-7 to regulate miRNA maturation in Caenorhabditis elegans. *Nature Structural and Molecular Biology*, **2011**, 18, 302-8	17.6	108
38	Short poly(A) tails are a conserved feature of highly expressed genes. *Nature Structural and Molecular Biology*, **2017**, 24, 1057-1063	17.6	106
37	Coordinate regulation of small temporal RNAs at the onset of Drosophila metamorphosis. *Developmental Biology*, **2003**, 259, 1-8	3.1	102
36	Expression of the 22 nucleotide let-7 heterochronic RNA throughout the Metazoa: a role in life history evolution?. *Evolution & Development*, **2003**, 5, 372-8	2.6	99
35	miRNA Targeting: Growing beyond the Seed. *Trends in Genetics*, **2019**, 35, 215-222	8.5	95
34	Small non-coding RNAs mount a silent revolution in gene expression. *Current Opinion in Cell Biology* , **2012**, 24, 333-40	9	89
33	MicroRNAs: deviants no longer. *Trends in Genetics*, **2002**, 18, 171-3	8.5	67
32	Tales of Detailed Poly(A) Tails. *Trends in Cell Biology*, **2019**, 29, 191-200	18.3	63
31	Analysis of microRNA expression and function. *Methods in Cell Biology*, **2011**, 106, 219-252	1.8	60
30	Lets make it happen: the role of let-7 microRNA in development. *Current Topics in Developmental Biology*, **2012**, 99, 1-30	5.3	49
29	The evolving role of microRNAs in animal gene expression. *BioEssays*, **2006**, 28, 449-52	4.1	36
28	Functional genomic analysis of the let-7 regulatory network in Caenorhabditis elegans. *PLoS Genetics*, **2013**, 9, e1003353	6	31
27	The miR-35-41 family of microRNAs regulates RNAi sensitivity in Caenorhabditis elegans. *PLoS Genetics*, **2012**, 8, e1002536	6	27
26	Identifying Argonaute binding sites in Caenorhabditis elegans using iCLIP. *Methods*, **2013**, 63, 119-25	4.6	26
25	Multiple cis-elements and trans-acting factors regulate dynamic spatio-temporal transcription of let-7 in Caenorhabditis elegans. *Developmental Biology*, **2013**, 374, 223-33	3.1	20
24	Regulation of lin-4 miRNA expression, organismal growth and development by a conserved RNA binding protein in C. elegans. *Developmental Biology*, **2010**, 348, 210-21	3.1	18
23	Opposing roles of microRNA Argonautes during Caenorhabditis elegans aging. *PLoS Genetics*, **2018**, 14, e1007379	6	18

22	Uncoupling of lin-14 mRNA and protein repression by nutrient deprivation in Caenorhabditis elegans. *Rna*, **2009**, 15, 400-5	5.8	17
21	The Period protein homolog LIN-42 negatively regulates microRNA biogenesis in C. elegans. *Developmental Biology*, **2014**, 390, 126-35	3.1	15
20	A tale of two sequences: microRNA-target chimeric reads. *Genetics Selection Evolution*, **2016**, 48, 31	4.9	14
19	Remodeling of the Caenorhabditis elegans non-coding RNA transcriptome by heat shock. *Nucleic Acids Research*, **2019**, 47, 9829-9841	20.1	12
18	MicroRNAs: heralds of the noncoding RNA revolution. *Rna*, **2015**, 21, 709-10	5.8	11
17	RNA interference may result in unexpected phenotypes in Caenorhabditis elegans. *Nucleic Acids Research*, **2019**, 47, 3957-3969	20.1	10
16	Period homolog LIN-42 regulates miRNA transcription to impact developmental timing. *Worm*, **2014**, 3, e974453		9
15	Molecular biology. Paring miRNAs through pairing. *Science*, **2010**, 328, 1494-5	33.3	8
14	Diversification of the heat shock response by Helitron transposable elements. *ELife*, **2019**, 8,	8.9	8
13	Comprehensive identification of miRNA target sites in live animals. *Methods in Molecular Biology*, **2011**, 732, 169-85	1.4	7
12	Identification of miRNAs and their targets in C. elegans. *Advances in Experimental Medicine and Biology*, **2014**, 825, 431-50	3.6	7
11	The primary target of let-7 microRNA. *Biochemical Society Transactions*, **2013**, 41, 821-4	5.1	6
10	Splicing remodels the let-7 primary microRNA to facilitate Drosha processing in Caenorhabditis elegans. *Rna*, **2015**, 21, 1396-403	5.8	4
9	MicroRNAs that interfere with RNAi. *Worm*, **2013**, 2, e21835		3
8	Auxin-independent depletion of degron-tagged proteins by TIR1. *MicroPublication Biology*, **2020**, 2020,	0.8	3
7	A rADAR defense against RNAi. *Genes and Development*, **2018**, 32, 199-201	12.6	2
6	Birthing histone mRNAs by CSR-1 section. *EMBO Journal*, **2012**, 31, 3790-1	13	1
5	A sense-able microRNA. *Genes and Development*, **2016**, 30, 2019-2020	12.6	1

List of Publications

4	Detection of microRNA-Target Interactions by Chimera PCR (ChimP). *Methods in Molecular Biology*, **2018**, 1823, 153-165	1.4	1
3	Recovery from heat shock requires the microRNA pathway in Caenorhabditis elegans. *PLoS Genetics* , **2021**, 17, e1009734	6	1
2	Making and Maintaining microRNAs in Animals **2017**, 1-17		
1	MicroRNAs: A small contribution from worms **2005**, 69-83		