

Victor Ambros

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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.

63

papers

27,638

citations

33

h-index

74

g-index

74

ext. papers

30,370

ext. citations

16.5

avg, IF

7.74

L-index

#	Paper	IF	Citations
63	The <i>C. elegans</i> heterochronic gene <i>lin-4</i> encodes small RNAs with antisense complementarity to <i>lin-14</i> . <i>Cell</i> , 1993 , 75, 843-54	56.2	9299
62	The functions of animal microRNAs. <i>Nature</i> , 2004 , 431, 350-5	50.4	8644
61	An extensive class of small RNAs in <i>Caenorhabditis elegans</i> . <i>Science</i> , 2001 , 294, 862-4	33.3	2325
60	MicroRNA pathways in flies and worms: growth, death, fat, stress, and timing. <i>Cell</i> , 2003 , 113, 673-6	56.2	1059
59	The <i>lin-4</i> regulatory RNA controls developmental timing in <i>Caenorhabditis elegans</i> by blocking LIN-14 protein synthesis after the initiation of translation. <i>Developmental Biology</i> , 1999 , 216, 671-80	3.1	968
58	The cold shock domain protein LIN-28 controls developmental timing in <i>C. elegans</i> and is regulated by the <i>lin-4</i> RNA. <i>Cell</i> , 1997 , 88, 637-46	56.2	678
57	The <i>lin-41</i> RBCC gene acts in the <i>C. elegans</i> heterochronic pathway between the <i>let-7</i> regulatory RNA and the LIN-29 transcription factor. <i>Molecular Cell</i> , 2000 , 5, 659-69	17.6	606
56	MicroRNAs and other tiny endogenous RNAs in <i>C. elegans</i> . <i>Current Biology</i> , 2003 , 13, 807-18	6.3	596
55	The <i>let-7</i> MicroRNA family members <i>mir-48</i> , <i>mir-84</i> , and <i>mir-241</i> function together to regulate developmental timing in <i>Caenorhabditis elegans</i> . <i>Developmental Cell</i> , 2005 , 9, 403-14	10.2	379
54	A hierarchy of regulatory genes controls a larva-to-adult developmental switch in <i>C. elegans</i> . <i>Cell</i> , 1989 , 57, 49-57	56.2	292
53	Temporal regulation of microRNA expression in <i>Drosophila melanogaster</i> mediated by hormonal signals and broad-Complex gene activity. <i>Developmental Biology</i> , 2003 , 259, 9-18	3.1	255
52	MicroRNAs and developmental timing. <i>Current Opinion in Genetics and Development</i> , 2011 , 21, 511-7	4.9	231
51	mirWIP: microRNA target prediction based on microRNA-containing ribonucleoprotein-enriched transcripts. <i>Nature Methods</i> , 2008 , 5, 813-9	21.6	177
50	<i>Drosophila let-7</i> microRNA is required for remodeling of the neuromusculature during metamorphosis. <i>Genes and Development</i> , 2008 , 22, 1591-6	12.6	177
49	Interacting endogenous and exogenous RNAi pathways in <i>Caenorhabditis elegans</i> . <i>Rna</i> , 2006 , 12, 589-975.8	149	
48	The evolution of our thinking about microRNAs. <i>Nature Medicine</i> , 2008 , 14, 1036-40	50.5	144
47	<i>nhl-2</i> Modulates microRNA activity in <i>Caenorhabditis elegans</i> . <i>Cell</i> , 2009 , 136, 926-38	56.2	136

46	Identification of microRNAs and other tiny noncoding RNAs by cDNA cloning. <i>Methods in Molecular Biology</i> , 2004 , 265, 131-58	1.4	136
45	A short history of a short RNA. <i>Cell</i> , 2004 , 116, S89-92, 1 p following S96	56.2	122
44	A feedback circuit involving let-7-family miRNAs and DAF-12 integrates environmental signals and developmental timing in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18668-73	11.5	118
43	Developmental decline in neuronal regeneration by the progressive change of two intrinsic timers. <i>Science</i> , 2013 , 340, 372-376	33.3	104
42	Biodistribution and function of extracellular miRNA-155 in mice. <i>Scientific Reports</i> , 2015 , 5, 10721	4.9	93
41	Heterochronic genes control cell cycle progress and developmental competence of <i>C. elegans</i> vulva precursor cells. <i>Cell</i> , 1996 , 84, 667-76	56.2	88
40	Effect of life history on microRNA expression during <i>C. elegans</i> development. <i>Rna</i> , 2011 , 17, 639-51	5.8	53
39	Alternative temporal control systems for hypodermal cell differentiation in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1991 , 350, 162-5	50.4	50
38	Circulating Cell and Plasma microRNA Profiles Differ between Non-ST-Segment and ST-Segment-Elevation Myocardial Infarction. <i>Family Medicine & Medical Science Research</i> , 2013 , 2, 108		48
37	The <i>Caenorhabditis elegans</i> heterochronic regulator LIN-14 is a novel transcription factor that controls the developmental timing of transcription from the insulin/insulin-like growth factor gene <i>ins-33</i> by direct DNA binding. <i>Molecular and Cellular Biology</i> , 2005 , 25, 11059-72	4.8	45
36	miR-14 regulates autophagy during developmental cell death by targeting ip3-kinase 2. <i>Molecular Cell</i> , 2014 , 56, 376-388	17.6	43
35	Systematic analysis of dynamic miRNA-target interactions during <i>C. elegans</i> development. <i>Development (Cambridge)</i> , 2009 , 136, 3043-55	6.6	40
34	The embryonic mir-35 family of microRNAs promotes multiple aspects of fecundity in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014 , 4, 1747-54	3.2	39
33	The <i>C. elegans</i> heterochronic gene <i>lin-46</i> affects developmental timing at two larval stages and encodes a relative of the scaffolding protein gephyrin. <i>Development (Cambridge)</i> , 2004 , 131, 2049-59	6.6	35
32	A microRNA family exerts maternal control on sex determination in. <i>Genes and Development</i> , 2017 , 31, 422-437	12.6	33
31	Extracellular microRNAs in human circulation are associated with miRISC complexes that are accessible to anti-AGO2 antibody and can bind target mimic oligonucleotides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24213-24223	11.5	32
30	Dauer larva quiescence alters the circuitry of microRNA pathways regulating cell fate progression in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2012 , 139, 2177-86	6.6	31
29	Recent Molecular Genetic Explorations of MicroRNAs. <i>Genetics</i> , 2018 , 209, 651-673	4	27

28	Robust Distal Tip Cell Pathfinding in the Face of Temperature Stress Is Ensured by Two Conserved microRNAs in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2015 , 200, 1201-18	4	20
27	Mutations in conserved residues of the <i>C. elegans</i> microRNA Argonaute ALG-1 identify separable functions in ALG-1 miRISC loading and target repression. <i>PLoS Genetics</i> , 2014 , 10, e1004286	6	20
26	MicroRNAs: genetically sensitized worms reveal new secrets. <i>Current Biology</i> , 2010 , 20, R598-600	6.3	19
25	The <i>Pseudomonas aeruginosa</i> accessory genome elements influence virulence towards <i>Caenorhabditis elegans</i> . <i>Genome Biology</i> , 2019 , 20, 270	18.3	17
24	Pheromones and Nutritional Signals Regulate the Developmental Reliance on let-7 Family MicroRNAs in <i>C. elegans</i> . <i>Current Biology</i> , 2019 , 29, 1735-1745.e4	6.3	16
23	An efficient and sensitive method for preparing cDNA libraries from scarce biological samples. <i>Nucleic Acids Research</i> , 2015 , 43, e1	20.1	15
22	The developmental timing regulator HBL-1 modulates the dauer formation decision in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2011 , 187, 345-53	4	9
21	Staufen Negatively Modulates MicroRNA Activity in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 1227-37	3.2	9
20	Trans-splicing of the primary transcript developmentally regulates microRNA biogenesis and family microRNA activity. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	9
19	Regulation of nuclear-cytoplasmic partitioning by the β -pathway reinforces microRNA repression of HBL-1 to confer robust cell-fate progression in. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	7
18	<i>Pseudomonas aeruginosa</i> cleaves the decoding center of <i>Caenorhabditis elegans</i> ribosomes. <i>PLoS Biology</i> , 2020 , 18, e3000969	9.7	3
17	A cohort of <i>Caenorhabditis</i> species lacking the highly conserved let-7 microRNA. <i>G3: Genes, Genomes, Genetics</i> , 2021 , 11,	3.2	3
16	<i>C. elegans</i> LIN-28 controls temporal cell-fate progression by regulating LIN-46 expression via the 5'UTR of lin-46 mRNA		2
15	Circulating microRNA Profiles in Acetaminophen Toxicity. <i>Journal of Medical Toxicology</i> , 2020 , 16, 177-187		2
14	Critical contribution of 3'non-seed base pairing to the in vivo function of the evolutionarily conserved let-7a microRNA		2
13	The heterochronic gene coordinates the timing of hypodermal and somatic gonadal programs for hermaphrodite reproductive system morphogenesis. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	1
12	RNA-seq with RNase H-based ribosomal RNA depletion specifically designed for. <i>MicroPublication Biology</i> , 2020 , 2020,	0.8	1
11	A microRNA family exerts maternal control on sex determination in <i>C. elegans</i>		1

- 10 Critical contribution of 3' non-seed base pairing to the in vivo function of the evolutionarily conserved let-7a microRNA. *Cell Reports*, **2022**, 39, 110745 10.6 1
- 9 Mathematics of microRNAs: stabilizing gene regulatory networks. *National Science Review*, **2019**, 6, 1189-1190 10.6 0
- 8 Development: Keeping Time with Transcription. *Current Biology*, **2021**, 31, R212-R214 6.3 0
- 7 *C. elegans* LIN-28 controls temporal cell fate progression by regulating LIN-46 expression via the 5' UTR of lin-46 mRNA. *Cell Reports*, **2021**, 36, 109670 10.6 0
- 6 *Pseudomonas aeruginosa* cleaves the decoding center of *Caenorhabditis elegans* ribosomes **2020**, 18, e3000969
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- 2 *Pseudomonas aeruginosa* cleaves the decoding center of *Caenorhabditis elegans* ribosomes **2020**, 18, e3000969
- 1 *Pseudomonas aeruginosa* cleaves the decoding center of *Caenorhabditis elegans* ribosomes **2020**, 18, e3000969