

# Victor Ambros

## List of Publications by Year in descending order

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56  
papers

32,255  
citations

117625

34  
h-index

155660

55  
g-index

75  
all docs

75  
docs citations

75  
times ranked

31706  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 843-854.	28.9	11,149
2	The functions of animal microRNAs. <i>Nature</i> , 2004, 431, 350-355.	27.8	9,846
3	An Extensive Class of Small RNAs in <i>Caenorhabditis elegans</i> . <i>Science</i> , 2001, 294, 862-864.	12.6	2,636
4	MicroRNA Pathways in Flies and Worms. <i>Cell</i> , 2003, 113, 673-676.	28.9	1,172
5	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, 671-680.	2.0	1,051
6	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, 637-646.	28.9	782
7	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, 659-669.	9.7	707
8	MicroRNAs and Other Tiny Endogenous RNAs in <i>C. elegans</i> . <i>Current Biology</i> , 2003, 13, 807-818.	3.9	659
9	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, 403-414.	7.0	456
10	A hierarchy of regulatory genes controls a larva-to-adult developmental switch in <i>C. elegans</i> . <i>Cell</i> , 1989, 57, 49-57.	28.9	340
11	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.	2.0	290
12	MicroRNAs and developmental timing. <i>Current Opinion in Genetics and Development</i> , 2011, 21, 511-517.	3.3	265
13	mirWIP: microRNA target prediction based on microRNA-containing ribonucleoprotein-enriched transcripts. <i>Nature Methods</i> , 2008, 5, 813-819.	19.0	201
14	<i>Drosophila let-7</i> microRNA is required for remodeling of the neuromusculature during metamorphosis. <i>Genes and Development</i> , 2008, 22, 1591-1596.	5.9	194
15	Interacting endogenous and exogenous RNAi pathways in <i>Caenorhabditis elegans</i> . <i>Rna</i> , 2006, 12, 589-597.	3.5	173
16	A short history of a short RNA. <i>Cell</i> , 2004, 116, S89-S92.	28.9	161
17	<i>nhl-2</i> Modulates MicroRNA Activity in <i>Caenorhabditis elegans</i> . <i>Cell</i> , 2009, 136, 926-938.	28.9	159
18	The evolution of our thinking about microRNAs. <i>Nature Medicine</i> , 2008, 14, 1036-1040.	30.7	158

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19	Identification of microRNAs and Other Tiny Noncoding RNAs by cDNA Cloning. , 2004, 265, 131-158.		150
20	Developmental Decline in Neuronal Regeneration by the Progressive Change of Two Intrinsic Timers. Science, 2013, 340, 372-376.	12.6	147
21	A feedback circuit involving let-7-family miRNAs and DAF-12 integrates environmental signals and developmental timing in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18668-18673.	7.1	141
22	Biodistribution and function of extracellular miRNA-155 in mice. Scientific Reports, 2015, 5, 10721.	3.3	115
23	Heterochronic Genes Control Cell Cycle Progress and Developmental Competence of <i>C. elegans</i> Vulva Precursor Cells. Cell, 1996, 84, 667-676.	28.9	99
24	Extracellular microRNAs in human circulation are associated with miRISC complexes that are accessible to anti-AGO2 antibody and can bind target mimic oligonucleotides. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24213-24223.	7.1	83
25	Effect of life history on microRNA expression during <i>C. elegans</i> development. Rna, 2011, 17, 639-651.	3.5	65
26	Alternative temporal control systems for hypodermal cell differentiation in <i>Caenorhabditis elegans</i> . Nature, 1991, 350, 162-165.	27.8	63
27	miR-14 Regulates Autophagy during Developmental Cell Death by Targeting ip3-kinase 2. Molecular Cell, 2014, 56, 376-388.	9.7	62
28	The Embryonic <i>mir-35</i> Family of microRNAs Promotes Multiple Aspects of Fecundity in <i>Caenorhabditis elegans</i> . G3: Genes, Genomes, Genetics, 2014, 4, 1747-1754.	1.8	61
29	Circulating Cell and Plasma microRNA Profiles Differ between Non-STSegment and ST-Segment-Elevation Myocardial Infarction. Family Medicine & Medical Science Research, 2013, 02, 108.	0.1	58
30	A microRNA family exerts maternal control on sex determination in <i>C. elegans</i> . Genes and Development, 2017, 31, 422-437.	5.9	52
31	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. Molecular and Cellular Biology, 2005, 25, 11059-11072.	2.3	51
32	Recent Molecular Genetic Explorations of <i>Caenorhabditis elegans</i> MicroRNAs. Genetics, 2018, 209, 651-673.	2.9	50
33	Dauer larva quiescence alters the circuitry of microRNA pathways regulating cell fate progression in <i>C. elegans</i> . Development (Cambridge), 2012, 139, 2177-2186.	2.5	48
34	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. Development (Cambridge), 2004, 131, 2049-2059.	2.5	41
35	Systematic analysis of dynamic miRNA-target interactions during <i>C. elegans</i> development. Development (Cambridge), 2009, 136, 3043-3055.	2.5	41
36	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. PLoS Genetics, 2014, 10, e1004286.	3.5	34

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37	The <i>Pseudomonas aeruginosa</i> accessory genome elements influence virulence towards <i>Caenorhabditis elegans</i> . <i>Genome Biology</i> , 2019, 20, 270.	8.8	33
38	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, 1201-1218.	2.9	30
39	MicroRNAs: Genetically Sensitized Worms Reveal New Secrets. <i>Current Biology</i> , 2010, 20, R598-R600.	3.9	21
40	Pheromones and Nutritional Signals Regulate the Developmental Reliance on let-7 Family MicroRNAs in <i>C.Âlegans</i> . <i>Current Biology</i> , 2019, 29, 1735-1745.e4.	3.9	21
41	An efficient and sensitive method for preparing cDNA libraries from scarce biological samples. <i>Nucleic Acids Research</i> , 2015, 43, e1-e1.	14.5	16
42	Critical contribution of 3â€² non-seed base pairing to the inÂvivo function of the evolutionarily conserved let-7a microRNA. <i>Cell Reports</i> , 2022, 39, 110745.	6.4	15
43	Staufen Negatively Modulates MicroRNA Activity in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1227-1237.	1.8	13
44	Regulation of nuclear-cytoplasmic partitioning by the <i>lin-28</i> - <i>lin-46</i> pathway reinforces microRNA repression of HBL-1 to confer robust cell-fate progression in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	12
45	The Developmental Timing Regulator <i>hbl-1</i> Modulates the Dauer Formation Decision in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2011, 187, 345-353.	2.9	10
46	Trans-splicing of the <i>C. elegans let-7</i> primary transcript developmentally regulates <i>let-7</i> microRNA biogenesis and <i>let-7</i> family microRNA activity. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	9
47	<i>Pseudomonas aeruginosa</i> cleaves the decoding center of <i>Caenorhabditis elegans</i> ribosomes. <i>PLoS Biology</i> , 2020, 18, e3000969.	5.6	9
48	Mathematics of microRNAs: stabilizing gene regulatory networks. <i>National Science Review</i> , 2019, 6, 1189-1190.	9.5	7
49	The <i>C. elegans</i> heterochronic gene <i>lin-28</i> coordinates the timing of hypodermal and somatic gonadal programs for hermaphrodite reproductive system morphogenesis. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	5
50	Circulating microRNA Profiles in Acetaminophen Toxicity. <i>Journal of Medical Toxicology</i> , 2020, 16, 177-187.	1.5	4
51	Engineering essential genes with a "jump board" strategy using CRISPR/Cas9. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	4
52	A cohort of <i>Caenorhabditis</i> species lacking the highly conserved <i>let-7</i> microRNA. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	3
53	<i>C.Âlegans</i> LIN-28 controls temporal cell fate progression by regulating LIN-46 expression via the 5â€² UTR of <i>lin-46</i> mRNA. <i>Cell Reports</i> , 2021, 36, 109670.	6.4	3
54	RNA-seq with RNase H-based ribosomal RNA depletion specifically designed for. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	2

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55	Development: Keeping Time with Transcription. <i>Current Biology</i> , 2021, 31, R212-R214.	3.9	1
56	pRB/CKI pathways at the interface of cell cycle and development. <i>Cell Cycle</i> , 2009, 8, 3433-3434.	2.6	0