# AmyÂ E Pasquinelli

List of Publications by Year
in descending order



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|---|---|---|---|
| 62 papers | 18,476 citations | 147566 31 h-index | 128067 60 g-index |

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|---|---|---|---|
| 103 all docs | 103 docs citations | 103 times ranked | 17249 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The 21-nucleotide let-7 RNA regulates developmental timing in Caenorhabditis elegans. Nature, 2000, 403, 901-906. | 13.7 | 4,315 |
| 2 | A Cellular Function for the RNA-Interference Enzyme Dicer in the Maturation of the let-7 Small Temporal RNA. Science, 2001, 293, 834-838. | 6.0 | 2,450 |
| 3 | Conservation of the sequence and temporal expression of let-7 heterochronic regulatory RNA. Nature, 2000, 408, 86-89. | 13.7 | 2,167 |
| 4 | 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. | 13.5 | 1,731 |
| 5 | MicroRNAs and their targets: recognition, regulation and an emerging reciprocal relationship. Nature Reviews Genetics, 2012, 13, 271-282. | 7.7 | 1,406 |
| 6 | Regulation by let-7 and lin-4 miRNAs Results in Target mRNA Degradation. Cell, 2005, 122, 553-563. | 13.5 | 1,219 |
| 7 | MicroRNA silencing through RISC recruitment of eIF6. Nature, 2007, 447, 823-828. | 13.7 | 433 |
| 8 | MicroRNA-responsive 'sensor' transgenes uncover Hox-like and other developmentally regulated patterns of vertebrate microRNA expression. Nature Genetics, 2004, 36, 1079-1083. | 9.4 | 411 |
| 9 | Pairing beyond the Seed Supports MicroRNA Targeting Specificity. Molecular Cell, 2016, 64, 320-333. | 4.5 | 344 |
| 10 | The C. elegans hunchback Homolog, hbl-1, Controls Temporal Patterning and Is a Probable MicroRNA Target. Developmental Cell, 2003, 4, 639-650. | 3.1 | 326 |
| 11 | Control of Developmental Timing by MicroRNAs and Their Targets. Annual Review of Cell and Developmental Biology, 2002, 18, 495-513. | 4.0 | 304 |
| 12 | MicroRNAs: a developing story. Current Opinion in Genetics and Development, 2005, 15, 200-205. | 1.5 | 296 |
| 13 | Comprehensive discovery of endogenous Argonaute binding sites in Caenorhabditis elegans. Nature Structural and Molecular Biology, 2010, 17, 173-179. | 3.6 | 279 |
| 14 | Functional Genomic Analysis of RNA Interference in C. elegans. Science, 2005, 308, 1164-1167. | 6.0 | 266 |
| 15 | MicroRNA biogenesis: regulating the regulators. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 51-68. | 2.3 | 261 |
| 16 | MicroRNA assassins: factors that regulate the disappearance of miRNAs. Nature Structural and Molecular Biology, 2010, 17, 5-10. | 3.6 | 233 |
| 17 | Autoregulation of microRNA biogenesis by let-7 and Argonaute. Nature, 2012, 486, 541-544. | 13.7 | 203 |
| 18 | Short poly(A) tails are a conserved feature of highly expressed genes. Nature Structural and Molecular Biology, 2017, 24, 1057-1063. | 3.6 | 200 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | miRNA Targeting: Growing beyond the Seed. Trends in Genetics, 2019, 35, 215-222. | 2.9 | 179 |
| 20 | Trans-splicing and polyadenylation of let-7 microRNA primary transcripts. Rna, 2004, 10, 1586-1594. | 1.6 | 145 |
| 21 | Tales of Detailed Poly(A) Tails. Trends in Cell Biology, 2019, 29, 191-200. | 3.6 | 138 |
| 22 | Expression of the 22 nucleotide let-7 heterochronic RNA throughout the Metazoa: a role in life history evolution?. Evolution & Development, 2003, 5, 372-378. | 1.1 | 130 |
| 23 | LIN-28 co-transcriptionally binds primary let-7 to regulate miRNA maturation in Caenorhabditis elegans. Nature Structural and Molecular Biology, 2011, 18, 302-308. | 3.6 | 129 |
| 24 | Small non-coding RNAs mount a silent revolution in gene expression. Current Opinion in Cell Biology, 2012, 24, 333-340. | 2.6 | 113 |
| 25 | Coordinate regulation of small temporal RNAs at the onset of Drosophila metamorphosis. Developmental Biology, 2003, 259, 1-8. | 0.9 | 110 |
| 26 | MicroRNAs: deviants no longer. Trends in Genetics, 2002, 18, 171-173. | 2.9 | 76 |
| 27 | Analysis of microRNA Expression and Function. Methods in Cell Biology, 2011, 106, 219-252. | 0.5 | 66 |
| 28 | Let's Make It Happen. Current Topics in Developmental Biology, 2012, 99, 1-30. | 1.0 | 53 |
| 29 | Functional Genomic Analysis of the let-7 Regulatory Network in Caenorhabditis elegans. PLoS Genetics, 2013, 9, e1003353. | 1.5 | 43 |
| 30 | Opposing roles of microRNA Argonautes during Caenorhabditis elegans aging. PLoS Genetics, 2018, 14, e1007379. | 1.5 | 42 |
| 31 | The evolving role of microRNAs in animal gene expression. BioEssays, 2006, 28, 449-452. | 1.2 | 38 |
| 32 | The miR-35-41 Family of MicroRNAs Regulates RNAi Sensitivity in Caenorhabditis elegans. PLoS Genetics, 2012, 8, e1002536. | 1.5 | 37 |
| 33 | Identifying Argonaute binding sites in Caenorhabditis elegans using iCLIP. Methods, 2013, 63, 119-125. | 1.9 | 32 |
| 34 | Regulation of lin-4 miRNA expression, organismal growth and development by a conserved RNA binding protein in C. elegans. Developmental Biology, 2010, 348, 210-221. | 0.9 | 24 |
| 35 | The Period protein homolog LIN-42 negatively regulates microRNA biogenesis in C. elegans. Developmental Biology, 2014, 390, 126-135. | 0.9 | 24 |
| 36 | Remodeling of the Caenorhabditis elegans non-coding RNA transcriptome by heat shock. Nucleic Acids Research, 2019, 47, 9829-9841. | 6.5 | 22 |

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|---|---|---|---|
| 37 | Uncoupling of lin-14 mRNA and protein repression by nutrient deprivation in Caenorhabditis elegans. Rna, 2009, 15, 400-405. | 1.6 | 21 |
| 38 | Multiple cis-elements and trans-acting factors regulate dynamic spatio-temporal transcription of let-7 in Caenorhabditis elegans. Developmental Biology, 2013, 374, 223-233. | 0.9 | 21 |
| 39 | Diversification of the Caenorhabditis heat shock response by Helitron transposable elements. ELife, 2019, 8, . | 2.8 | 21 |
| 40 | A tale of two sequences: microRNA-target chimeric reads. Genetics Selection Evolution, 2016, 48, 31. | 1.2 | 19 |
| 41 | RNA interference may result in unexpected phenotypes in Caenorhabditis elegans. Nucleic Acids Research, 2019, 47, 3957-3969. | 6.5 | 19 |
| 42 | Period homolog LIN-42 regulates miRNA transcription to impact developmental timing. Worm, 2014, 3, e974453. | 1.0 | 15 |
| 43 | Recovery from heat shock requires the microRNA pathway in Caenorhabditis elegans. PLoS Genetics, 2021, 17, e1009734. | 1.5 | 15 |
| 44 | Paring MiRNAs Through Pairing. Science, 2010, 328, 1494-1495. | 6.0 | 13 |
| 45 | MicroRNAs: heralds of the noncoding RNA revolution. Rna, 2015, 21, 709-710. | 1.6 | 11 |
| 46 | Auxin-independent depletion of degron-tagged proteins by TIR1. MicroPublication Biology, 2020, 2020, . | 0.1 | 11 |
| 47 | Nuclear and cytoplasmic poly(A) binding proteins (PABPs) favor distinct transcripts and isoforms. Nucleic Acids Research, 2022, 50, 4685-4702. | 6.5 | 9 |
| 48 | The primary target of let-7 microRNA. Biochemical Society Transactions, 2013, 41, 821-824. | 1.6 | 8 |
| 49 | Identification of miRNAs and Their Targets in C. elegans. Advances in Experimental Medicine and Biology, 2014, 825, 431-450. | 0.8 | 8 |
| 50 | Comprehensive Identification of miRNA Target Sites in Live Animals. Methods in Molecular Biology, 2011, 732, 169-185. | 0.4 | 7 |
| 51 | Splicing remodels the let-7 primary microRNA to facilitate Drosha processing in Caenorhabditis elegans. Rna, 2015, 21, 1396-1403. | 1.6 | 4 |
| 52 | A team effort blocks the ribosome in its tracks. Nature Structural and Molecular Biology, 2012, 19, 133-134. | 3.6 | 3 |
| 53 | MicroRNAs that interfere with RNAi. Worm, 2013, 2, e21835. | 1.0 | 3 |
| 54 | A rADAR defense against RNAi. Genes and Development, 2018, 32, 199-201. | 2.7 | 3 |

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|---|---|---|---|
| 55 | Detection of microRNA-Target Interactions by Chimera PCR (ChimP). Methods in Molecular Biology, 2018, 1823, 153-165. | 0.4 | 3 |
| 56 | Birthing histone mRNAs by CSR-1 section. EMBO Journal, 2012, 31, 3790-3791. | 3.5 | 1 |
| 57 | A sense-able microRNA. Genes and Development, 2016, 30, 2019-2020. | 2.7 | 1 |
| 58 | New Roles for MicroRNAs in Old Worms. Frontiers in Aging, 2022, 3, . | 1.2 | 1 |
| 59 | MicroRNAs: A small contribution from worms. , 2005, , 69-83. | | 0 |
| 60 | A genome wide view of hunchback-like-1 targets. Cell Cycle, 2010, 9, 227-232. | 1.3 | 0 |
| 61 | Making and Maintaining microRNAs in Animals. , 2017, , 1-17. | | 0 |
| 62 | Caenorhabditis elegans transposable elements harbor diverse transcription factor DNA-binding sites. G3: Genes, Genomes, Genetics, 2022, 12, . | 0.8 | 0 |