Julie Ahringer

List of Publications by Year
in descending order

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83	22,421	44444	75989
papers	citations	50 h-index	78 g-index

96	96	96	20736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Systematic functional analysis of the Caenorhabditis elegans genome using RNAi. Nature, 2003, 421, 231-237.	13.7	3,343
2	Genes that act downstream of DAF-16 to influence the lifespan of Caenorhabditis elegans. Nature, 2003, 424, 277-283.	13.7	1,998
3	Functional genomic analysis of C.Âelegans chromosome I by systematic RNA interference. Nature, 2000, 408, 325-330.	13.7	1,655
4	Genome-wide RNAi screening in Caenorhabditis elegans. Methods, 2003, 30, 313-321.	1.9	1,244
5	Rates of Behavior and Aging Specified by Mitochondrial Function During Development. Science, 2002, 298, 2398-2401.	6.0	974
6	Genome-wide RNAi analysis of Caenorhabditis elegans fat regulatory genes. Nature, 2003, 421, 268-272.	13.7	940
7	Effectiveness of specific RNA-mediated interference through ingested double-stranded RNA in Caenorhabditis elegans. Genome Biology, 2000, 2, research0002.1.	13.9	918
8	Integrative Analysis of the Caenorhabditis elegans Genome by the modENCODE Project. Science, 2010, 330, 1775-1787.	6.0	912
9	A systematic RNAi screen identifies a critical role for mitochondria in C. elegans longevity. Nature Genetics, 2003, 33, 40-48.	9.4	900
10	Genetic Analysis of Tissue Aging in Caenorhabditis elegans: A Role for Heat-Shock Factor and Bacterial Proliferation. Genetics, 2002, 161, 1101-1112.	1.2	718
11	Differential chromatin marking of introns and expressed exons by H3K36me3. Nature Genetics, 2009, 41, 376-381.	9.4	592
12	Genome-Wide RNAi of C. elegans Using the Hypersensitive rrf-3 Strain Reveals Novel Gene Functions. PLoS Biology, 2003, 1, e12.	2.6	545
13	Loss of the Putative RNA-Directed RNA Polymerase RRF-3 Makes C. elegans Hypersensitive to RNAi. Current Biology, 2002, 12, 1317-1319.	1.8	529
14	Cell Polarity in Eggs and Epithelia: Parallels and Diversity. Cell, 2010, 141, 757-774.	13.5	430
15	The art and design of genetic screens: RNA interference. Nature Reviews Genetics, 2008, 9, 554-566.	7.7	413
16	The C. elegans Hook Protein, ZYG-12, Mediates the Essential Attachment between the Centrosome and Nucleus. Cell, 2003, 115, 825-836.	13.5	380
17	An assessment of histone-modification antibody quality. Nature Structural and Molecular Biology, 2011, 18, 91-93.	3.6	369
18	Comparative analysis of metazoan chromatin organization. Nature, 2014, 512, 449-452.	13.7	363

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19	NuRD and SIN3. Trends in Genetics, 2000, 16, 351-356.	2.9	356
20	Broad chromosomal domains of histone modification patterns in C. elegans. Genome Research, 2011, 21, 227-236.	2.4	256
21	Distinct roles for GÎ± and GÎ²Î³ in regulating spindle position and orientation in Caenorhabditis elegans embryos. Nature Cell Biology, 2001, 3, 297-300.	4.6	252
22	Control of the spermâ€“oocyte switch in Caenorhabditis elegans hermaphrodites by the fem-3 3â€² untranslated region. Nature, 1991, 349, 346-348.	13.7	237
23	Asymmetrically Distributed C. elegans Homologs of AGS3/PINS Control Spindle Position in the Early Embryo. Current Biology, 2003, 13, 1029-1037.	1.8	229
24	CDC-42 controls early cell polarity and spindle orientation in C. elegans. Current Biology, 2001, 11, 482-488.	1.8	205
25	Identification of genes that protect the C. elegans genome against mutations by genome-wide RNAi. Genes and Development, 2003, 17, 443-448.	2.7	196
26	A Genome-Wide Screen Identifies 27 Genes Involved in Transposon Silencing in C. elegans. Current Biology, 2003, 13, 1311-1316.	1.8	180
27	Reverse genetics. WormBook, 2006, , .	5.3	173
28	aPKC Cycles between Functionally Distinct PAR Protein Assemblies to Drive Cell Polarity. Developmental Cell, 2017, 42, 400-415.e9.	3.1	162
29	G Proteins Are Required for Spatial Orientation of Early Cell Cleavages in C. elegans Embryos. Cell, 1996, 86, 619-629.	13.5	153
30	NURD-complex genes antagonise Ras-induced vulval development in Caenorhabditis elegans. Current Biology, 2000, 10, 223-226.	1.8	146
31	Systematic bias in high-throughput sequencing data and its correction by BEADS. Nucleic Acids Research, 2011, 39, e103-e103.	6.5	137
32	Control of cell polarity and mitotic spindle positioning in animal cells. Current Opinion in Cell Biology, 2003, 15, 73-81.	2.6	132
33	SeqPlots - Interactive software for exploratory data analyses, pattern discovery and visualization in genomics. Wellcome Open Research, 2016, 1, 14.	0.9	132
34	Chromatin regulation and sumoylation in the inhibition of Ras-induced vulval development in Caenorhabditis elegans. EMBO Journal, 2005, 24, 2613-2623.	3.5	119
35	TAC-1, a Regulator of Microtubule Length in the C. elegans Embryo. Current Biology, 2003, 13, 1499-1505.	1.8	111
36	Comparative assessment of fluorescent proteins for in vivo imaging in an animal model system. Molecular Biology of the Cell, 2016, 27, 3385-3394.	0.9	108

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37	MosSCI and Gateway Compatible Plasmid Toolkit for Constitutive and Inducible Expression of Transgenes in the C. elegans Germline. PLoS ONE, 2011, 6, e20082.	1.1	94
38	The landscape of RNA polymerase II transcription initiation in C. elegans reveals promoter and enhancer architectures. Genome Research, 2013, 23, 1339-1347.	2.4	89
39	A team of heterochromatin factors collaborates with small RNA pathways to combat repetitive elements and germline stress. ELife, 2017, 6, .	2.8	87
40	PAR proteins direct asymmetry of the cell cycle regulators Polo-like kinase and Cdc25. Journal of Cell Biology, 2008, 180, 877-885.	2.3	84
41	Systematic genetic interaction screens uncover cell polarity regulators and functional redundancy. Nature Cell Biology, 2013, 15, 103-112.	4.6	84
42	Repressive Chromatin in Caenorhabditis elegans: Establishment, Composition, and Function. Genetics, 2018, 208, 491-511.	1.2	82
43	Microtubules are involved in anterior-posterior axis formation in C. elegans embryos. Journal of Cell Biology, 2007, 179, 397-402.	2.3	76
44	A Casein Kinase 1 and PAR Proteins Regulate Asymmetry of a PIP2 Synthesis Enzyme for Asymmetric Spindle Positioning. Developmental Cell, 2008, 15, 198-208.	3.1	76
45	Chromatin accessibility dynamics across C. elegans development and ageing. ELife, 2018, 7, .	2.8	76
46	Stable Caenorhabditis elegans chromatin domains separate broadly expressed and developmentally regulated genes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7020-E7029.	3.3	73
47	PRDE-1 is a nuclear factor essential for the biogenesis of Ruby motif-dependent piRNAs in C. elegans. Genes and Development, 2014, 28, 783-796.	2.7	72
48	H4K20me1 Contributes to Downregulation of X-Linked Genes for C. elegans Dosage Compensation. PLoS Genetics, 2012, 8, e1002933.	1.5	70
49	Involvement of fatty acid pathways and cortical interaction of the pronuclear complex in Caenorhabditis elegans embryonic polarity. BMC Developmental Biology, 2003, 3, 8.	2.1	68
50	Similar requirements for CDC-42 and the PAR-3/PAR-6/PKC-3 complex in diverse cell types. Developmental Biology, 2007, 305, 347-357.	0.9	61
51	Extreme HOT regions are CpG-dense promoters in C. elegans and humans. Genome Research, 2014, 24, 1138-1146.	2.4	57
52	Genome-wide RNAi screens in Caenorhabditis elegans: impact on cancer research. Oncogene, 2004, 23, 8340-8345.	2.6	56
53	Physical and functional interaction between SET1/COMPASS complex component CFP-1 and a Sin3S HDAC complex in C. elegans. Nucleic Acids Research, 2019, 47, 11164-11180.	6.5	54
54	Repression by the 3â€² UTR offem-3, asex-determining gene, relies on a ubiquitousmog-dependent control inCaenorhabditis elegans. EMBO Journal, 1998, 17, 6337-6347.	3.5	53

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55	The DREAM complex promotes gene body H2A.Z for target repression. Genes and Development, 2015, 29, 495-500.	2.7	53
56	Asymmetry of Early Endosome Distribution in C. elegans Embryos. PLoS ONE, 2007, 2, e493.	1.1	50
57	Duplication and Retention Biases of Essential and Non-Essential Genes Revealed by Systematic Knockdown Analyses. PLoS Genetics, 2013, 9, e1003330.	1.5	48
58	Morphogenetic degeneracies in the actomyosin cortex. ELife, 2018, 7, .	2.8	41
59	A regulatory network of T-box genes and the even-skippedhomologue vab-7 controls patterning and morphogenesis in C. elegans. Development (Cambridge), 2004, 131, 2373-2385.	1.2	40
60	Axis determination in C. elegans: initiating and transducingpolarity. Current Opinion in Genetics and Development, 2001, 11, 367-373.	1.5	39
61	An Alternative STAT Signaling Pathway Acts in Viral Immunity in Caenorhabditis elegans. MBio, 2017, 8, .	1.8	38
62	Comparative Epigenomics Reveals that RNA Polymerase II Pausing and Chromatin Domain Organization Control Nematode piRNA Biogenesis. Developmental Cell, 2019, 48, 793-810.e6.	3.1	37
63	Turn to the worm!. Current Opinion in Genetics and Development, 1997, 7, 410-415.	1.5	36
64	The USTC co-opts an ancient machinery to drive piRNA transcription in C. elegans. Genes and Development, 2019, 33, 90-102.	2.7	34
65	Distinctive regulatory architectures of germline-active and somatic genes in C. elegans. Genome Research, 2020, 30, 1752-1765.	2.4	32
66	Genome organization at different scales: nature, formation and function. Current Opinion in Cell Biology, 2018, 52, 145-153.	2.6	23
67	CDK phosphorylation of SLD-2 is required for replication initiation and germline development in C. elegans. Journal of Cell Biology, 2014, 204, 507-522.	2.3	21
68	The Caenorhabditis elegans homolog of the Evi1 proto-oncogene, egl-43, coordinates G1 cell cycle arrest with pro-invasive gene expression during anchor cell invasion. PLoS Genetics, 2020, 16, e1008470.	1.5	19
69	Broad Chromatin Domains: An Important Facet of Genome Regulation. BioEssays, 2017, 39, 1700124.	1.2	18
70	Identification of the C. elegans anaphase promoting complex subunit Cdc26 by phenotypic profiling and functional rescue in yeast. BMC Developmental Biology, 2007, 7, 19.	2.1	11
71	DREAM represses distinct targets by cooperating with different THAP domain proteins. Cell Reports, 2021, 37, 109835.	2.9	6
72	Accessible Region Conformation Capture (ARC-C) gives high-resolution insights into genome architecture and regulation. Genome Research, 2022, 32, 357-366.	2.4	6

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73	periodicDNA: an R/Bioconductor package to investigate k-mer periodicity in DNA. F1000Research, 2021, 10, 141.	0.8	5
74	Determination of Octadecylamine in Water by Quantitative High Performance thin Layer Chromatography. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 2743-2749.	0.9	3
75	The caenorhabditis elegans CDT-2 ubiquitin ligase is required for attenuation of EGFR signalling in vulva precursor cells. BMC Developmental Biology, 2010, 10, 109.	2.1	3
76	Playing Ping Pong with Pins: Cortical and Microtubule-Induced Polarity. Cell, 2005, 123, 1184-1186.	13.5	2
77	Generating fragment density plots in R/Bioconductor with VplotR. Journal of Open Source Software, 2021, 6, 3009.	2.0	2
78	Title is missing!. , 2020, 16, e1008470.		0
79	Title is missing!. , 2020, 16, e1008470.		0
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