

# Judith Kimble

## List of Publications by Year in descending order

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118  
papers

13,090  
citations

26630

56  
h-index

24982

109  
g-index

133  
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133  
docs citations

133  
times ranked

7292  
citing authors

#	ARTICLE	IF	CITATIONS
1	Notch-dependent DNA cis-regulatory elements and their dose-dependent control of <i>C. elegans</i> stem cell self-renewal. <i>Development</i> (Cambridge), 2022, 149, .	2.5	4
2	The great small organisms of developmental genetics: <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , 2022, 485, 93-122.	2.0	12
3	A sensitized genetic screen to identify regulators of <i>Caenorhabditis elegans</i> germline stem cells. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	1
4	Image-Based Single-Molecule Analysis of Notch-Dependent Transcription in Its Natural Context. <i>Methods in Molecular Biology</i> , 2022, , 131-149.	0.9	4
5	<i>C. elegans</i> germ granules require both assembly and localized regulators for mRNA repression. <i>Nature Communications</i> , 2021, 12, 996.	12.8	26
6	An improved in vivo tethering assay with single molecule FISH reveals that a nematode Nanos enhances reporter expression and mRNA stability. <i>Rna</i> , 2021, 27, 643-652.	3.5	0
7	Non-autonomous regulation of germline stem cell proliferation by somatic MPK-1/MAPK activity in <i>C. elegans</i> . <i>Cell Reports</i> , 2021, 35, 109162.	6.4	10
8	long first intron enhances MPK-1B protein expression. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	0
9	A PLIF Hub Drives Self-Renewal in <i>Caenorhabditis elegans</i> Germline Stem Cells. <i>Genetics</i> , 2020, 214, 147-161.	2.9	26
10	Two classes of active transcription sites and their roles in developmental regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26812-26821.	7.1	2
11	A toolkit of tagged alleles reveals strong expression in the germline, embryo, and spermatheca. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	9
12	Dynamics of Notch-Dependent Transcriptional Bursting in Its Native Context. <i>Developmental Cell</i> , 2019, 50, 426-435.e4.	7.0	82
13	The molecular basis of LST-1 self-renewal activity and its control of stem cell pool size. <i>Development</i> (Cambridge), 2019, 146, .	2.5	24
14	Sexual dimorphism of niche architecture and regulation of the <i>Caenorhabditis elegans</i> germline stem cell pool. <i>Molecular Biology of the Cell</i> , 2019, 30, 1757-1769.	2.1	22
15	Unbiased screen of RNA tailing activities reveals a poly(UG) polymerase. <i>Nature Methods</i> , 2019, 16, 437-445.	19.0	52
16	Toward Identifying Subnetworks from FBF Binding Landscapes in <i>Caenorhabditis</i> Spermatogenic or Oogenic Germlines. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 153-165.	1.8	16
17	Investigation of the ERK/MAP kinase long first intron and its possible role in gene regulation and germ cell development. <i>FASEB Journal</i> , 2019, 33, 459.9.	0.5	0
18	John Sulston (1942–2018). <i>Science</i> , 2018, 360, 157-157.	12.6	1

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19	An RNA-Binding Multimer Specifies Nematode Sperm Fate. <i>Cell Reports</i> , 2018, 23, 3769-3775.	6.4	14
20	<i>C. elegans</i> germ cells divide and differentiate in a folded tissue. <i>Developmental Biology</i> , 2018, 442, 173-187.	2.0	20
21	An in vivo method to study post-transcriptional regulation in germ stem cells. <i>FASEB Journal</i> , 2018, 32, 790.12.	0.5	0
22	Analysis of the <i>C. elegans</i> Germline Stem Cell Pool. <i>Methods in Molecular Biology</i> , 2017, 1463, 1-33.	0.9	42
23	SYGL-1 and LST-1 link niche signaling to PUF RNA repression for stem cell maintenance in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2017, 13, e1007121.	3.5	64
24	Single-molecule RNA Fluorescence in situ Hybridization (smFISH) in <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2017, 7, e2357.	0.4	34
25	Genomic Analyses of Sperm Fate Regulator Targets Reveal a Common Set of Oogenic mRNAs in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2016, 202, 221-234.	2.9	23
26	The PUF binding landscape in metazoan germ cells. <i>Rna</i> , 2016, 22, 1026-1043.	3.5	53
27	PGL germ granule assembly protein is a base-specific, single-stranded RNase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1279-1284.	7.1	21
28	<i>C. elegans</i> GLP-1/Notch activates transcription in a probability gradient across the germline stem cell pool. <i>ELife</i> , 2016, 5, .	6.0	73
29	Embryonic Stem Cell Growth Factors Regulate eIF2 $\gamma$ Phosphorylation. <i>PLoS ONE</i> , 2015, 10, e0139076.	2.5	26
30	NeuCode Labeling in Nematodes: Proteomic and Phosphoproteomic Impact of Ascarioside Treatment in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2922-2935.	3.8	20
31	Strategies from UW-Madison for rescuing biomedical research in the US. <i>ELife</i> , 2015, 4, e09305.	6.0	30
32	Cell-cycle quiescence maintains <i>Caenorhabditis elegans</i> germline stem cells independent of GLP-1/Notch. <i>ELife</i> , 2015, 4, .	6.0	73
33	Discovery of two GLP-1/Notch target genes that account for the role of GLP-1/Notch signaling in stem cell maintenance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3739-3744.	7.1	98
34	A New Dataset of Spermatogenic vs. Oogenic Transcriptomes in the Nematode <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1765-1772.	1.8	141
35	Competence for Chemical Reprogramming of Sexual Fate Correlates with an Intersexual Molecular Signature in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2014, 198, 561-575.	2.9	5
36	A DTC Niche Plexus Surrounds the Germline Stem Cell Pool in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2014, 9, e88372.	2.5	59

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37	C. elegans germline stem cells and their niche. Stembook, 2014, , .	0.3	20
38	Mitosis and meiosis and sperm and oocyte fate decisions are separable regulatory events. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3411-3416.	7.1	26
39	Germline Stem Cells and Their Regulation in the Nematode Caenorhabditis elegans. Advances in Experimental Medicine and Biology, 2013, 786, 29-46.	1.6	44
40	Identification of a Conserved Interface between PUF and CPEB Proteins. Journal of Biological Chemistry, 2012, 287, 18854-18862.	3.4	40
41	Divergence of Pumilio/fem-3 mRNA Binding Factor (PUF) Protein Specificity through Variations in an RNA-binding Pocket. Journal of Biological Chemistry, 2012, 287, 6949-6957.	3.4	37
42	A conserved PUF-Ago-eEF1A complex attenuates translation elongation. Nature Structural and Molecular Biology, 2012, 19, 176-183.	8.2	128
43	The Ras-ERK MAPK regulatory network controls dedifferentiation in Caenorhabditis elegans germline. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1847-1855.	4.1	26
44	A nuclear Argonaute promotes multigenerational epigenetic inheritance and germline immortality. Nature, 2012, 489, 447-451.	27.8	450
45	What does the concept of the stem cell niche really mean today?. BMC Biology, 2012, 10, 19.	3.8	155
46	Cyclin E and Cdk2 Control GLD-1, the Mitosis/Meiosis Decision, and Germline Stem Cells in Caenorhabditis elegans. PLoS Genetics, 2011, 7, e1001348.	3.5	54
47	Molecular Regulation of the Mitosis/Meiosis Decision in Multicellular Organisms. Cold Spring Harbor Perspectives in Biology, 2011, 3, a002683-a002683.	5.5	82
48	Phosphorylation state of a Tob/BTG protein, FOG-3, regulates initiation and maintenance of the Caenorhabditis elegans sperm fate program. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9125-9130.	7.1	21
49	The Oogenic Germline Starvation Response in C. elegans. PLoS ONE, 2011, 6, e28074.	2.5	94
50	Chemical reprogramming of Caenorhabditis elegans germ cell fate. Nature Chemical Biology, 2010, 6, 102-104.	8.0	34
51	GLD-2/RNP-8 cytoplasmic poly(A) polymerase is a broad-spectrum regulator of the oogenesis program. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17445-17450.	7.1	65
52	Progression from a stem cell-like state to early differentiation in the C. elegans germ line. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2048-2053.	7.1	100
53	The C. elegans adult male germline: Stem cells and sexual dimorphism. Developmental Biology, 2010, 346, 204-214.	2.0	54
54	Genome-wide analysis of mRNA targets for Caenorhabditis elegans FBF, a conserved stem cell regulator. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3936-3941.	7.1	108

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55	FBF and Its Dual Control of <i>gld-1</i> Expression in the <i>Caenorhabditis elegans</i> Germline. <i>Genetics</i> , 2009, 181, 1249-1260.	2.9	119
56	Antagonism between GLD-2 Binding Partners Controls Gamete Sex. <i>Developmental Cell</i> , 2009, 16, 723-733.	7.0	56
57	A New Look at TCF and $\beta$ -Catenin through the Lens of a Divergent <i>C. elegans</i> Wnt Pathway. <i>Developmental Cell</i> , 2009, 17, 27-34.	7.0	100
58	Scratching the niche that controls <i>Caenorhabditis elegans</i> germline stem cells. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 1107-1113.	5.0	72
59	<i>C. elegans</i> HLH-2/E/Daughterless controls key regulatory cells during gonadogenesis. <i>Developmental Biology</i> , 2009, 331, 14-25.	2.0	26
60	<i>C. elegans</i> La-related protein, LARP-1, localizes to germline P bodies and attenuates Ras-MAPK signaling during oogenesis. <i>Rna</i> , 2008, 14, 1378-1389.	3.5	71
61	A <i>Caenorhabditis elegans</i> PUF protein family with distinct RNA binding specificity. <i>Rna</i> , 2008, 14, 1550-1557.	3.5	47
62	Analysis of the <i>C. elegans</i> Germline Stem Cell Region. <i>Methods in Molecular Biology</i> , 2008, 450, 27-44.	0.9	23
63	Reciprocal asymmetry of SYS-1/ $\beta$ -catenin and POP-1/TCF controls asymmetric divisions in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3231-3236.	7.1	114
64	Controls of Germline Stem Cells, Entry into Meiosis, and the Sperm/Oocyte Decision in <i>Caenorhabditis elegans</i> . <i>Annual Review of Cell and Developmental Biology</i> , 2007, 23, 405-433.	9.4	348
65	Conserved Regulation of MAP Kinase Expression by PUF RNA-Binding Proteins. <i>PLoS Genetics</i> , 2007, 3, e233.	3.5	114
66	The Mysteries of Sexual Identity: The Germ Cell's Perspective. <i>Science</i> , 2007, 316, 400-401.	12.6	55
67	Developmental expression of FOG-1/CPEB protein and its control in the <i>Caenorhabditis elegans</i> hermaphrodite germ line. <i>Developmental Dynamics</i> , 2007, 236, 871-879.	1.8	25
68	Asymmetric and symmetric stem-cell divisions in development and cancer. <i>Nature</i> , 2006, 441, 1068-1074.	27.8	1,220
69	LIP-1 phosphatase controls the extent of germline proliferation in <i>Caenorhabditis elegans</i> . <i>EMBO Journal</i> , 2006, 25, 88-96.	7.8	68
70	Wnt Signaling and CEH-22/tinman/Nkx2.5 Specify a Stem Cell Niche in <i>C. elegans</i> . <i>Current Biology</i> , 2006, 16, 287-295.	3.9	79
71	Cellular Analyses of the Mitotic Region in the <i>Caenorhabditis elegans</i> Adult Germ Line. <i>Molecular Biology of the Cell</i> , 2006, 17, 3051-3061.	2.1	251
72	The GLD-2 poly(A) polymerase activates <i>gld-1</i> mRNA in the <i>Caenorhabditis elegans</i> germ line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15108-15112.	7.1	85

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73	Dose-dependent control of proliferation and sperm specification by FOG-1/CPEB. <i>Development (Cambridge)</i> , 2005, 132, 3471-3481.	2.5	78
74	Redundant control of the <i>Caenorhabditis elegans</i> sperm/oocyte switch by PUF-8 and FBF-1, two distinct PUF RNA-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10893-10897.	7.1	58
75	A $\beta$ -Catenin Identified by Functional Rather Than Sequence Criteria and Its Role in Wnt/MAPK Signaling. <i>Cell</i> , 2005, 121, 761-772.	28.9	134
76	Germline proliferation and its control. <i>WormBook</i> , 2005, , 1-14.	5.3	148
77	TRA-1/GLI controls development of somatic gonadal precursors in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2004, 131, 4333-4343.	2.5	34
78	Mammalian GLD-2 homologs are poly(A) polymerases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4407-4412.	7.1	128
79	GLD-3 and Control of the Mitosis/Meiosis Decision in the Germline of <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2004, 168, 147-160.	2.9	154
80	The <i>sys-1</i> and <i>sys-3</i> Genes Cooperate With Wnt Signaling to Establish the Proximal-Distal Axis of the <i>Caenorhabditis elegans</i> Gonad. <i>Genetics</i> , 2004, 166, 171-186.	2.9	92
81	FBF-1 and FBF-2 Regulate the Size of the Mitotic Region in the <i>C. elegans</i> Germline. <i>Developmental Cell</i> , 2004, 7, 697-707.	7.0	167
82	GLD-3, a Bicaudal-C Homolog that Inhibits FBF to Control Germline Sex Determination in <i>C. elegans</i> . <i>Developmental Cell</i> , 2002, 3, 697-710.	7.0	133
83	A PUF family portrait: 3'UTR regulation as a way of life. <i>Trends in Genetics</i> , 2002, 18, 150-157.	6.7	565
84	A regulatory cytoplasmic poly(A) polymerase in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2002, 419, 312-316.	27.8	272
85	A conserved RNA-binding protein controls germline stem cells in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2002, 417, 660-663.	27.8	393
86	POP-1 controls axis formation during early gonadogenesis in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2002, 129, 443-453.	2.5	118
87	POP-1 controls axis formation during early gonadogenesis in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2002, 129, 443-53.	2.5	60
88	Regulation of Cell Fate in <i>Caenorhabditis elegans</i> by a Novel Cytoplasmic Polyadenylation Element Binding Protein. <i>Developmental Biology</i> , 2001, 229, 537-553.	2.0	68
89	The <i>sys-1</i> Gene and Sexual Dimorphism during Gonadogenesis in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2001, 230, 61-73.	2.0	50
90	The TRA-1 transcription factor binds TRA-2 to regulate sexual fates in <i>Caenorhabditis elegans</i> . <i>EMBO Journal</i> , 2001, 20, 1363-1372.	7.8	48

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91	Conservation of <i>glp-1</i> Regulation and Function in Nematodes. <i>Genetics</i> , 2001, 157, 639-654.	2.9	51
92	LAG-3 is a putative transcriptional activator in the <i>C. elegans</i> Notch pathway. <i>Nature</i> , 2000, 405, 364-368.	27.8	175
93	Mastermind is a putative activator for Notch. <i>Current Biology</i> , 2000, 10, R471-R473.	3.9	148
94	CPEB proteins control two key steps in spermatogenesis in <i>C. elegans</i> . <i>Genes and Development</i> , 2000, 14, 2596-2609.	5.9	139
95	A Novel Member of the Tob Family of Proteins Controls Sexual Fate in <i>Caenorhabditis elegans</i> Germ Cells. <i>Developmental Biology</i> , 2000, 217, 77-90.	2.0	72
96	Regulatory Elements Required for Development of <i>Caenorhabditis elegans</i> Hermaphrodites Are Conserved in the <i>tra-2</i> Homologue of <i>C. remanei</i> , a Male/Female Sister Species. <i>Genetics</i> , 2000, 155, 105-116.	2.9	70
97	NANOS-3 and FBF proteins physically interact to control the sperm-oocyte switch in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 1999, 9, 1009-1018.	3.9	247
98	Control of organ shape by a secreted metalloprotease in the nematode <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1999, 399, 586-590.	27.8	180
99	The <i>gon-1</i> Gene Is Required for Gonadal Morphogenesis in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1999, 216, 382-393.	2.0	144
100	The <i>Caenorhabditis elegans</i> Sex Determination Gene <i>mog-1</i> Encodes a Member of the DEAH-Box Protein Family. <i>Molecular and Cellular Biology</i> , 1999, 19, 2189-2197.	2.3	75
101	<i>C. elegans</i> : Sequence to Biology. , 1998, 282, 2011-2011.		37
102	A conserved RNA-binding protein that regulates sexual fates in the <i>C. elegans</i> hermaphrodite germ line. <i>Nature</i> , 1997, 390, 477-484.	27.8	493
103	<i>glp-3</i> Is Required for Mitosis and Meiosis in the <i>Caenorhabditis elegans</i> Germ Line. <i>Genetics</i> , 1997, 145, 111-121.	2.9	20
104	Control of Germ Cell Differentiation in <i>Caenorhabditis elegans</i> . Novartis Foundation Symposium, 1994, 182, 179-192.	1.1	8
105	Moremog genes that influence the switch from spermatogenesis to oogenesis in the hermaphrodite germ line of <i>Caenorhabditis elegans</i> . <i>Genesis</i> , 1993, 14, 471-484.	2.1	82
106	Control of cell fate in <i>C. elegans</i> by a GLP-1 peptide consisting primarily of ankyrin repeats. <i>Nature</i> , 1993, 364, 632-635.	27.8	111
107	Control of the sperm-oocyte switch in <i>Caenorhabditis elegans</i> hermaphrodites by the <i>fem-3</i> untranslated region. <i>Nature</i> , 1991, 349, 346-348.	27.8	237
108	Carboxy-terminal truncation activates <i>glp-1</i> protein to specify vulval fates in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1991, 352, 811-815.	27.8	65

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109	Genetic control of cell communication in <i>C. elegans</i> development. <i>BioEssays</i> , 1990, 12, 265-271.	2.5	11
110	Transcript analysis of <i>glp-1</i> and <i>lin-12</i> , homologous genes required for cell interactions during development of <i>C. elegans</i> . <i>Cell</i> , 1989, 58, 565-571.	28.9	209
111	Genetic Control of Cellular Interactions in <i>Caenorhabditis Elegans</i> Development. Novartis Foundation Symposium, 1989, 144, 212-226.	1.1	0
112	<i>glp-1</i> is required in the germ line for regulation of the decision between mitosis and meiosis in <i>C. elegans</i> . <i>Cell</i> , 1987, 51, 589-599.	28.9	671
113	Genetics of development elucidated by nematodes. <i>Nature</i> , 1987, 328, 202-202.	27.8	3
114	Gain-of-Function Mutations of <i>fem-3</i> , a Sex-Determination Gene in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 1987, 115, 107-119.	2.9	251
115	Suppression of an amber mutation by microinjection of suppressor tRNA in <i>C. elegans</i> . <i>Nature</i> , 1982, 299, 456-458.	27.8	66
116	Alterations in cell lineage following laser ablation of cells in the somatic gonad of <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1981, 87, 286-300.	2.0	491
117	The postembryonic cell lineages of the hermaphrodite and male gonads in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1979, 70, 396-417.	2.0	820
118	TRAID-seq: Unbiased analysis of RNA tailing enzyme activity at single-nucleotide resolution. <i>Protocol Exchange</i> , 0, , .	0.3	1