

Judith Kimble

List of Publications by Year in Descending Order

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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.

118 papers	10,792 citations	56 h-index	103 g-index
133 ext. papers	12,013 ext. citations	12.7 avg, IF	6.34 L-index

#	Paper	IF	Citations
118	The great small organisms of developmental genetics: <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , 2022 ,	3.1	2
117	Image-Based Single-Molecule Analysis of Notch-Dependent Transcription in Its Natural Context. <i>Methods in Molecular Biology</i> , 2022 , 131-149	1.4	0
116	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	5.8	
115	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	10.6	3
114	<i>C. elegans</i> germ granules require both assembly and localized regulators for mRNA repression. <i>Nature Communications</i> , 2021 , 12, 996	17.4	9
113	A toolkit of tagged alleles reveals strong expression in the germline, embryo, and spermatheca. <i>MicroPublication Biology</i> , 2020 , 2020,	0.8	2
112	A PUF Hub Drives Self-Renewal in Germline Stem Cells. <i>Genetics</i> , 2020 , 214, 147-161	4	5
111	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	11.5	0
110	The molecular basis of LST-1 self-renewal activity and its control of stem cell pool size. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	7
109	Sexual dimorphism of niche architecture and regulation of the germline stem cell pool. <i>Molecular Biology of the Cell</i> , 2019 , 30, 1757-1769	3.5	12
108	Unbiased screen of RNA tailing activities reveals a poly(UG) polymerase. <i>Nature Methods</i> , 2019 , 16, 437-445	4.56	25
107	Toward Identifying Subnetworks from FBF Binding Landscapes in Spermatogenic or Oogenic Germlines. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 153-165	3.2	8
106	Dynamics of Notch-Dependent Transcriptional Bursting in Its Native Context. <i>Developmental Cell</i> , 2019 , 50, 426-435.e4	10.2	41
105	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	0.9	
104	John Sulston (1942-2018). <i>Science</i> , 2018 , 360, 157	33.3	1
103	<i>C. elegans</i> germ cells divide and differentiate in a folded tissue. <i>Developmental Biology</i> , 2018 , 442, 173-187	3.7	9
102	An in vivo method to study post-transcriptional regulation in germ stem cells. <i>FASEB Journal</i> , 2018 , 32, 790.12	0.9	

101	An RNA-Binding Multimer Specifies Nematode Sperm Fate. <i>Cell Reports</i> , 2018 , 23, 3769-3775	10.6	7
100	Analysis of the <i>C. elegans</i> Germline Stem Cell Pool. <i>Methods in Molecular Biology</i> , 2017 , 1463, 1-33	1.4	18
99	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	6	30
98	Single-molecule RNA Fluorescence Hybridization (smFISH) in. <i>Bio-protocol</i> , 2017 , 7, e2357	0.9	10
97	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, 1279-84	11.5	14
96	GLP-1/Notch activates transcription in a probability gradient across the germline stem cell pool. <i>ELife</i> , 2016 , 5,	8.9	49
95	Genomic Analyses of Sperm Fate Regulator Targets Reveal a Common Set of Oogenic mRNAs in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2016 , 202, 221-34	4	11
94	The PUF binding landscape in metazoan germ cells. <i>Rna</i> , 2016 , 22, 1026-43	5.8	36
93	NeuCode Labeling in Nematodes: Proteomic and Phosphoproteomic Impact of Ascaroside Treatment in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 2922-35	7.6	17
92	Embryonic Stem Cell Growth Factors Regulate eIF2 γ Phosphorylation. <i>PLoS ONE</i> , 2015 , 10, e0139076	3.7	13
91	Strategies from UW-Madison for rescuing biomedical research in the US. <i>ELife</i> , 2015 , 4, e09305	8.9	23
90	Cell-cycle quiescence maintains <i>Caenorhabditis elegans</i> germline stem cells independent of GLP-1/Notch. <i>ELife</i> , 2015 , 4,	8.9	48
89	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, 3739-44	11.5	56
88	A new dataset of spermatogenic vs. oogenic transcriptomes in the nematode <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014 , 4, 1765-72	3.2	96
87	Competence for chemical reprogramming of sexual fate correlates with an intersexual molecular signature in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2014 , 198, 561-75	4	3
86	A DTC niche plexus surrounds the germline stem cell pool in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2014 , 9, e88372	3.7	47
85	<i>C. elegans</i> germline stem cells and their niche. <i>Stembook</i> , 2014 ,		14
84	Mitosis-meiosis and sperm-oocyte fate decisions are separable regulatory events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 3411-6	11.5	19

83	Germline stem cells and their regulation in the nematode <i>Caenorhabditis elegans</i> . <i>Advances in Experimental Medicine and Biology</i> , 2013 , 786, 29-46	3.6	33
82	What does the concept of the stem cell niche really mean today?. <i>BMC Biology</i> , 2012 , 10, 19	7.3	131
81	A conserved PUF-Ago-eEF1A complex attenuates translation elongation. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 176-83	17.6	107
80	The Ras-ERK MAPK regulatory network controls dedifferentiation in <i>Caenorhabditis elegans</i> germline. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1847-55	4.9	19
79	A nuclear Argonaute promotes multigenerational epigenetic inheritance and germline immortality. <i>Nature</i> , 2012 , 489, 447-51	50.4	338
78	Identification of a conserved interface between PUF and CPEB proteins. <i>Journal of Biological Chemistry</i> , 2012 , 287, 18854-62	5.4	33
77	Divergence of Pumilio/fem-3 mRNA binding factor (PUF) protein specificity through variations in an RNA-binding pocket. <i>Journal of Biological Chemistry</i> , 2012 , 287, 6949-57	5.4	33
76	Cyclin E and Cdk2 control GLD-1, the mitosis/meiosis decision, and germline stem cells in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2011 , 7, e1001348	6	45
75	Molecular regulation of the mitosis/meiosis decision in multicellular organisms. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a002683	10.2	72
74	Phosphorylation state of a Tob/BTG protein, FOG-3, regulates initiation and maintenance of the <i>Caenorhabditis elegans</i> sperm fate program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9125-30	11.5	20
73	The oogenic germline starvation response in <i>C. elegans</i> . <i>PLoS ONE</i> , 2011 , 6, e28074	3.7	76
72	Chemical reprogramming of <i>Caenorhabditis elegans</i> germ cell fate. <i>Nature Chemical Biology</i> , 2010 , 6, 102-4	11.7	31
71	GLD-2/RNP-8 cytoplasmic poly(A) polymerase is a broad-spectrum regulator of the oogenesis program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17445-50	11.5	56
70	Progression from a stem cell-like state to early differentiation in the <i>C. elegans</i> germ line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2048-53	11.5	79
69	The <i>C. elegans</i> adult male germline: stem cells and sexual dimorphism. <i>Developmental Biology</i> , 2010 , 346, 204-14	3.1	41
68	Genome-wide analysis of mRNA targets for <i>Caenorhabditis elegans</i> FBF, a conserved stem cell regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3936-41	11.5	95
67	FBF and its dual control of <i>gld-1</i> expression in the <i>Caenorhabditis elegans</i> germline. <i>Genetics</i> , 2009 , 181, 1249-60	4	99
66	Antagonism between GLD-2 binding partners controls gamete sex. <i>Developmental Cell</i> , 2009 , 16, 723-33	10.2	47

65	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	10.2	88
64	Scratching the niche that controls <i>Caenorhabditis elegans</i> germline stem cells. <i>Seminars in Cell and Developmental Biology</i> , 2009 , 20, 1107-13	7.5	61
63	<i>C. elegans</i> HLH-2/E/Daughterless controls key regulatory cells during gonadogenesis. <i>Developmental Biology</i> , 2009 , 331, 14-25	3.1	20
62	<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, 1378-89	5.8	57
61	A <i>Caenorhabditis elegans</i> PUF protein family with distinct RNA binding specificity. <i>Rna</i> , 2008 , 14, 1550-7	5.8	38
60	Analysis of the <i>C. elegans</i> germline stem cell region. <i>Methods in Molecular Biology</i> , 2008 , 450, 27-44	1.4	18
59	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, 871-9	2.9	23
58	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, 3231-6	11.5	94
57	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, 405-33	12.6	289
56	Conserved regulation of MAP kinase expression by PUF RNA-binding proteins. <i>PLoS Genetics</i> , 2007 , 3, e233	6	98
55	The mysteries of sexual identity. The germ cell's perspective. <i>Science</i> , 2007 , 316, 400-1	33.3	45
54	Wnt signaling and CEH-22/tinman/Nkx2.5 specify a stem cell niche in <i>C. elegans</i> . <i>Current Biology</i> , 2006 , 16, 287-95	6.3	71
53	Cellular analyses of the mitotic region in the <i>Caenorhabditis elegans</i> adult germ line. <i>Molecular Biology of the Cell</i> , 2006 , 17, 3051-61	3.5	205
52	The GLD-2 poly(A) polymerase activates gld-1 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, 15108-12	11.5	73
51	Asymmetric and symmetric stem-cell divisions in development and cancer. <i>Nature</i> , 2006 , 441, 1068-74	50.4	1021
50	LIP-1 phosphatase controls the extent of germline proliferation in <i>Caenorhabditis elegans</i> . <i>EMBO Journal</i> , 2006 , 25, 88-96	13	63
49	A beta-catenin identified by functional rather than sequence criteria and its role in Wnt/MAPK signaling. <i>Cell</i> , 2005 , 121, 761-72	56.2	117
48	Dose-dependent control of proliferation and sperm specification by FOG-1/CPEB. <i>Development (Cambridge)</i> , 2005 , 132, 3471-81	6.6	67

47	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, 10893-7	11.5	55
46	Germline proliferation and its control. <i>WormBook</i> , 2005 , 1-14		112
45	TRA-1/GLI controls development of somatic gonadal precursors in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2004 , 131, 4333-43	6.6	28
44	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, 4407-12	11.5	119
43	GLD-3 and control of the mitosis/meiosis decision in the germline of <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2004 , 168, 147-60	4	132
42	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, 171-86	4	75
41	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	10.2	142
40	A PUF family portrait: 3'UTR regulation as a way of life. <i>Trends in Genetics</i> , 2002 , 18, 150-7	8.5	487
39	A regulatory cytoplasmic poly(A) polymerase in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2002 , 419, 312-6	50.4	241
38	A conserved RNA-binding protein controls germline stem cells in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2002 , 417, 660-3	50.4	341
37	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	10.2	114
36	POP-1 controls axis formation during early gonadogenesis in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2002 , 129, 443-453	6.6	97
35	POP-1 controls axis formation during early gonadogenesis in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2002 , 129, 443-53	6.6	57
34	The TRA-1 transcription factor binds TRA-2 to regulate sexual fates in <i>Caenorhabditis elegans</i> . <i>EMBO Journal</i> , 2001 , 20, 1363-72	13	45
33	Regulation of cell fate in <i>Caenorhabditis elegans</i> by a novel cytoplasmic polyadenylation element binding protein. <i>Developmental Biology</i> , 2001 , 229, 537-53	3.1	58
32	The <i>sys-1</i> gene and sexual dimorphism during gonadogenesis in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2001 , 230, 61-73	3.1	48
31	Conservation of <i>glp-1</i> regulation and function in nematodes. <i>Genetics</i> , 2001 , 157, 639-54	4	40
30	LAG-3 is a putative transcriptional activator in the <i>C. elegans</i> Notch pathway. <i>Nature</i> , 2000 , 405, 364-8	50.4	156

29	Mastermind is a putative activator for Notch. <i>Current Biology</i> , 2000 , 10, R471-3	6.3	132
28	CPEB proteins control two key steps in spermatogenesis in <i>C. elegans</i> . <i>Genes and Development</i> , 2000 , 14, 2596-609	12.6	121
27	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	3.1	64
26	Regulatory elements required for development of <i>caenorhabditis elegans</i> hermaphrodites are conserved in the tra-2 homologue of <i>C. remanei</i> , a male/female sister species. <i>Genetics</i> , 2000 , 155, 105-116	16	60
25	NANOS-3 and FBF proteins physically interact to control the sperm-oocyte switch in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 1999 , 9, 1009-18	6.3	222
24	Control of organ shape by a secreted metalloprotease in the nematode <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1999 , 399, 586-90	50.4	159
23	The gon-1 gene is required for gonadal morphogenesis in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1999 , 216, 382-93	3.1	132
22	The <i>Caenorhabditis elegans</i> sex determination gene mog-1 encodes a member of the DEAH-Box protein family. <i>Molecular and Cellular Biology</i> , 1999 , 19, 2189-97	4.8	62
21	<i>C. elegans</i> : Sequence to Biology 1998 , 282, 2011-2011		29
20	A conserved RNA-binding protein that regulates sexual fates in the <i>C. elegans</i> hermaphrodite germ line. <i>Nature</i> , 1997 , 390, 477-84	50.4	443
19	glp-3 is required for mitosis and meiosis in the <i>Caenorhabditis elegans</i> germ line. <i>Genetics</i> , 1997 , 145, 111-21	4	19
18	Control of germ cell differentiation in <i>Caenorhabditis elegans</i> . <i>Novartis Foundation Symposium</i> , 1994 , 182, 179-88; discussion 189-92		5
17	More mog genes that influence the switch from spermatogenesis to oogenesis in the hermaphrodite germ line of <i>Caenorhabditis elegans</i> . <i>Genesis</i> , 1993 , 14, 471-84		67
16	Control of cell fate in <i>C. elegans</i> by a GLP-1 peptide consisting primarily of ankyrin repeats. <i>Nature</i> , 1993 , 364, 632-5	50.4	106
15	Control of the sperm-oocyte switch in <i>Caenorhabditis elegans</i> hermaphrodites by the fem-3 3S untranslated region. <i>Nature</i> , 1991 , 349, 346-8	50.4	202
14	Carboxy-terminal truncation activates glp-1 protein to specify vulval fates in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1991 , 352, 811-5	50.4	57
13	Genetic control of cell communication in <i>C. elegans</i> development. <i>BioEssays</i> , 1990 , 12, 265-71	4.1	10
12	Transcript analysis of glp-1 and lin-12, homologous genes required for cell interactions during development of <i>C. elegans</i> . <i>Cell</i> , 1989 , 58, 565-71	56.2	175

11	Genetic control of cellular interactions in <i>Caenorhabditis elegans</i> development. <i>Novartis Foundation Symposium</i> , 1989 , 144, 212-20; discussion 221-6, 290-5		
10	glp-1 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, 589-99	56.2	548
9	Gain-of-function mutations of fem-3, a sex-determination gene in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 1987 , 115, 107-19	4	211
8	Suppression of an amber mutation by microinjection of suppressor tRNA in <i>C. elegans</i> . <i>Nature</i> , 1982 , 299, 456-8	50.4	57
7	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	3.1	426
6	The postembryonic cell lineages of the hermaphrodite and male gonads in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1979 , 70, 396-417	3.1	689
5	<i>C. elegans</i> germ cells divide and differentiate along a folded epithelium		1
4	LST-1 acts in trans with a conserved RNA-binding protein to maintain stem cells		1
3	Non-autonomous regulation of germline stem cell proliferation by somatic MPK-1/MAPK activity in <i>C. elegans</i>		1
2	Liquid droplet germ granules require assembly and localized regulators for mRNA repression		1
1	Unbiased screen of RNA tailing enzymes at single-nucleotide resolution reveals a poly(UG) polymerase required for genome integrity and RNA silencing		1