

Iva Susan Greenwald

List of Publications by Year in descending order

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7,465
citations

117625

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all docs

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docs citations

64
times ranked

7019
citing authors

#	ARTICLE	IF	CITATIONS
1	Presenilin is required for activity and nuclear access of Notch in <i>Drosophila</i> . <i>Nature</i> , 1999, 398, 522-525.	27.8	777
2	Facilitation of lin-12-mediated signalling by sel-12, a <i>Caenorhabditis elegans</i> S182 Alzheimer's disease gene. <i>Nature</i> , 1995, 377, 351-354.	27.8	728
3	Intrinsic activity of the lin-12 and Notch intracellular domains in vivo. <i>Cell</i> , 1993, 74, 331-345.	28.9	466
4	Making a difference: The role of cell-cell interactions in establishing separate identities for equivalent cells. <i>Cell</i> , 1992, 68, 271-281.	28.9	454
5	lin-12, a nematode homeotic gene, is homologous to a set of mammalian proteins that includes epidermal growth factor. <i>Cell</i> , 1985, 43, 583-590.	28.9	393
6	OrthoList: A Compendium of <i>C. elegans</i> Genes with Human Orthologs. <i>PLoS ONE</i> , 2011, 6, e20085.	2.5	378
7	glp-1 and lin-12, genes implicated in distinct cell-cell interactions in <i>C. elegans</i> , encode similar transmembrane proteins. <i>Cell</i> , 1989, 58, 553-563.	28.9	366
8	The <i>Caenorhabditis elegans</i> lin-12 gene encodes a transmembrane protein with overall similarity to <i>Drosophila</i> Notch. <i>Nature</i> , 1988, 335, 547-550.	27.8	288
9	Reciprocal changes in expression of the receptor lin-12 and its ligand lag-2 prior to commitment in a <i>C. elegans</i> cell fate decision. <i>Cell</i> , 1994, 79, 1187-1198.	28.9	247
10	Genetic Analysis of Endocytosis in <i>Caenorhabditis elegans</i> : Coelomocyte Uptake Defective Mutants. <i>Genetics</i> , 2001, 159, 133-145.	2.9	244
11	Crosstalk Between the EGFR and LIN-12/Notch Pathways in <i>C. elegans</i> Vulval Development. <i>Science</i> , 2004, 303, 663-666.	12.6	239
12	Cell autonomy of lin-12 function in a cell fate decision in <i>C. elegans</i> . <i>Cell</i> , 1989, 57, 1237-1245.	28.9	235
13	OrthoList 2: A New Comparative Genomic Analysis of Human and <i>Caenorhabditis elegans</i> Genes. <i>Genetics</i> , 2018, 210, 445-461.	2.9	233
14	Regulation of endocytosis by CUP-5, the <i>Caenorhabditis elegans</i> mucolipin-1 homolog. <i>Nature Genetics</i> , 2001, 28, 64-68.	21.4	201
15	The Lateral Signal for LIN-12/Notch in <i>C. elegans</i> Vulval Development Comprises Redundant Secreted and Transmembrane DSL Proteins. <i>Developmental Cell</i> , 2004, 6, 183-192.	7.0	185
16	Analysis of gain-of-function mutations of the lin-12 gene of <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1990, 346, 197-199.	27.8	163
17	A Real-Time Biosensor for ERK Activity Reveals Signaling Dynamics during <i>C. elegans</i> Cell Fate Specification. <i>Developmental Cell</i> , 2017, 42, 542-553.e4.	7.0	140
18	Endocytosis-mediated downregulation of LIN-12/Notch upon Ras activation in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2002, 420, 686-690.	27.8	137

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19	LIN-12/Notch Activation Leads to MicroRNA-Mediated Down-Regulation of Vav in <i>C. elegans</i> . <i>Science</i> , 2005, 310, 1330-1333.	12.6	135
20	Structure/function studies of lin-12/Notch proteins. <i>Current Opinion in Genetics and Development</i> , 1994, 4, 556-562.	3.3	118
21	p24 Proteins and Quality Control of LIN-12 and GLP-1 Trafficking in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 1999, 145, 1165-1175.	5.2	91
22	Cell-cell interactions prevent a potential inductive interaction between soma and germline in <i>C. elegans</i> . <i>Cell</i> , 1990, 61, 939-951.	28.9	84
23	The <i>Caenorhabditis elegans sel-1</i> Gene, a Negative Regulator of <i>lin-12</i> and <i>glp-1</i> , Encodes a Predicted Extracellular Protein. <i>Genetics</i> , 1996, 143, 237-247.	2.9	84
24	Notch signaling: genetics and structure. <i>WormBook</i> , 2013, , 1-28.	5.3	84
25	Post-transcriptional regulation of the E/Daughterless ortholog HLH-2, negative feedback, and birth order bias during the AC/VU decision in <i>C. elegans</i> . <i>Genes and Development</i> , 2003, 17, 3100-3111.	5.9	80
26	LIN-12/Notch signaling in <i>C. elegans</i> . <i>WormBook</i> , 2005, , 1-16.	5.3	72
27	LIN-12/Notch trafficking and regulation of DSL ligand activity during vulval induction in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 2005, 132, 5081-5092.	2.5	63
28	A conserved tetraspanin subfamily promotes Notch signaling in <i>Caenorhabditis elegans</i> and in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5907-5912.	7.1	60
29	SEL-2, the <i>C. elegans</i> neurobeachin/LRBA homolog, is a negative regulator of lin-12/Notch activity and affects endosomal traffic in polarized epithelial cells. <i>Development (Cambridge)</i> , 2007, 134, 691-702.	2.5	55
30	<i>Notch</i> and the Awesome Power of Genetics. <i>Genetics</i> , 2012, 191, 655-669.	2.9	55
31	Multiple roles for the E/Daughterless ortholog HLH-2 during <i>C. elegans</i> gonadogenesis. <i>Developmental Biology</i> , 2004, 272, 460-469.	2.0	49
32	The Disease-Associated Formin INF2/EXC-6 Organizes Lumen and Cell Outgrowth during Tubulogenesis by Regulating F-Actin and Microtubule Cytoskeletons. <i>Developmental Cell</i> , 2015, 32, 743-755.	7.0	47
33	Wnt signal from multiple tissues and <i>lin-3</i> /EGF signal from the gonad maintain vulval precursor cell competence in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20368-20373.	7.1	46
34	SEL-10/Fbw7-dependent negative feedback regulation of LIN-45/Braf signaling in <i>C. elegans</i> via a conserved phosphodegron. <i>Genes and Development</i> , 2012, 26, 2524-2535.	5.9	39
35	Spatial Regulation of <i>lag-2</i> Transcription During Vulval Precursor Cell Fate Patterning in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2011, 188, 847-858.	2.9	37
36	A VISIBLE ALLELE OF THE MUSCLE GENE <i>sup-10 X</i> OF <i>C. ELEGANS</i> . <i>Genetics</i> , 1986, 113, 63-72.	2.9	35

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37	LIN-14 Inhibition of LIN-12 Contributes to Precision and Timing of <i>C. elegans</i> Vulval Fate Patterning. <i>Current Biology</i> , 2010, 20, 1875-1879.	3.9	31
38	Dimerization-driven degradation of <i>C. elegans</i> and human E proteins. <i>Genes and Development</i> , 2015, 29, 1356-1361.	5.9	30
39	Control of cell-fate plasticity and maintenance of multipotency by DAF-16/FoxO in quiescent <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2181-2186.	7.1	29
40	A <i>Caenorhabditis elegans</i> cDNA that encodes a product resembling the rat glutathione S-transferase P subunit. <i>Nucleic Acids Research</i> , 1989, 17, 2138-2138.	14.5	27
41	New Positive Regulators of lin-12 Activity in <i>Caenorhabditis elegans</i> Include the BRE-5/Brainiac Glycosphingolipid Biosynthesis Enzyme. <i>Genetics</i> , 2005, 171, 1605-1615.	2.9	24
42	A bHLH Code for Sexually Dimorphic Form and Function of the <i>C. elegans</i> Somatic Gonad. <i>Current Biology</i> , 2017, 27, 1853-1860.e5.	3.9	24
43	Cell Non-autonomous Function of daf-18/PTEN in the Somatic Gonad Coordinates Somatic Gonad and Germline Development in <i>C. elegans</i> Dauer Larvae. <i>Current Biology</i> , 2019, 29, 1064-1072.e8.	3.9	21
44	HLH-2/E2A Expression Links Stochastic and Deterministic Elements of a Cell Fate Decision during <i>C. elegans</i> Gonadogenesis. <i>Current Biology</i> , 2019, 29, 3094-3100.e4.	3.9	20
45	A network of conserved formins, regulated by the guanine exchange factor EXC-5/FGD and the GTPase Cdc42, modulates tubulogenesis <i>in vivo</i> . <i>Development (Cambridge)</i> , 2016, 143, 4173-4181.	2.5	19
46	Integration of EGFR and LIN-12/Notch Signaling by LIN-1/Elk1, the Cdk8 Kinase Module, and SUR-2/Med23 in Vulval Precursor Cell Fate Patterning in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 207, 1473-1488.	2.9	18
47	SEL-5, A Serine/Threonine Kinase That Facilitates lin-12 Activity in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 1999, 153, 1641-1654.	2.9	16
48	sel-11 and cdc-42, Two Negative Modulators of LIN-12/Notch Activity in <i>C. elegans</i> . <i>PLoS ONE</i> , 2010, 5, e11885.	2.5	12
49	Influences of LIN-12/Notch and POP-1/TCF on the Robustness of Ventral Uterine Cell Fate Specification in <i>Caenorhabditis elegans</i> Gonadogenesis. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2775-2782.	1.8	10
50	The lin-12 locus of <i>Caenorhabditis elegans</i> . <i>BioEssays</i> , 1987, 6, 70-73.	2.5	9
51	Floxed exon (Flexon): A flexibly positioned stop cassette for recombinase-mediated conditional gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
52	<i>hecd-1</i> Modulates Notch Activity in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 353-359.	1.8	8
53	Determinants in the LIN-12/Notch Intracellular Domain That Govern Its Activity and Stability During <i>Caenorhabditis elegans</i> Vulval Development. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3663-3670.	1.8	8
54	Positive autoregulation of <i>lag-1</i> in response to LIN-12 activation in cell fate decisions during <i>C. elegans</i> reproductive system development. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	8

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55	A Screen of the Conserved Kinome for Negative Regulators of LIN-12 Negative Regulatory Region (NRR)-Missense Activity in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 3567-3574.	1.8	7
56	Influences of HLH-2 stability on anchor cell fate specification during <i>Caenorhabditis elegans</i> gonadogenesis. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	7
57	Negative feedback by conserved kinases patterns degradation of <i>C. elegans</i> Raf in vulval fate patterning. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	6
58	SALSA, a genetically encoded biosensor for spatiotemporal quantification of Notch signal transduction in vivo. <i>Developmental Cell</i> , 2022, 57, 930-944.e6.	7.0	6
59	Evolutionary plasticity in the requirement for force exerted by ligand endocytosis to activate <i>C. elegans</i> Notch proteins. <i>Current Biology</i> , 2022, 32, 2263-2271.e6.	3.9	4
60	Genetic and molecular analysis of EGF-related genes in <i>Caenorhabditis elegans</i> . <i>Molecular Reproduction and Development</i> , 1990, 27, 73-79.	2.0	3
61	<i>hlh-12</i> , a gene that is necessary and sufficient to promote migration of gonadal regulatory cells in <i>Caenorhabditis elegans</i> , evolved within the <i>Caenorhabditis</i> clade. <i>Genetics</i> , 2021, 219, .	2.9	1
62	Genetic analysis of DAF-18/PTEN missense mutants for the ability to maintain quiescence of the somatic gonad and germ line in <i>Caenorhabditis elegans</i> dauer larvae. <i>G3: Genes, Genomes, Genetics</i> , 2022, .	1.8	0