Iva Susan Greenwald

List of Publications by Year
in descending order

62	7,465	117625	123424
papers	citations	34 h-index	61 g-index

64	64	64	7019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Floxed exon (Flexon): A flexibly positioned stop cassette for recombinase-mediated conditional gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
2	Influences of HLH-2 stability on anchor cell fate specification during Caenorhabditis elegans gonadogenesis. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	7
3	Evolutionary plasticity in the requirement for force exerted by ligand endocytosis to activate C.Âelegans Notch proteins. Current Biology, 2022, 32, 2263-2271.e6.	3.9	4
4	SALSA, a genetically encoded biosensor for spatiotemporal quantification of Notch signal transduction inÂvivo. Developmental Cell, 2022, 57, 930-944.e6.	7.0	6
5	Genetic analysis of DAF-18/PTEN missense mutants for the ability to maintain quiescence of the somatic gonad and germ line in Caenorhabditis elegans dauer larvae. G3: Genes, Genomes, Genetics, 2022, , .	1.8	0
6	hlh-12, a gene that is necessary and sufficient to promote migration of gonadal regulatory cells in Caenorhabditis elegans, evolved within the Caenorhabditis clade. Genetics, 2021, 219, .	2.9	1
7	Negative feedback by conserved kinases patterns degradation ofC. elegansRaf in vulval fate patterning. Development (Cambridge), 2020, 147, .	2.5	6
8	Positive autoregulation oflag-1in response to LIN-12 activation in cell fate decisions duringC. elegansreproductive system development. Development (Cambridge), 2020, 147, .	2.5	8
9	Cell Non-autonomous Function of daf-18/PTEN in the Somatic Gonad Coordinates Somatic Gonad and Germline Development in C.Âelegans Dauer Larvae. Current Biology, 2019, 29, 1064-1072.e8.	3.9	21
10	A Screen of the Conserved Kinome for Negative Regulators of LIN-12 Negative Regulatory Region (â€œNRRâ€)-Missense Activity inCaenorhabditis elegans. G3: Genes, Genomes, Genetics, 2019, 9, 3567-3574.	1.8	7
11	HLH-2/E2A Expression Links Stochastic and Deterministic Elements of a Cell Fate Decision during C.Âelegans Gonadogenesis. Current Biology, 2019, 29, 3094-3100.e4.	3.9	20
12	OrthoList 2: A New Comparative Genomic Analysis of Human and Caenorhabditis elegans Genes. Genetics, 2018, 210, 445-461.	2.9	233
13	A bHLH Code for Sexually Dimorphic Form and Function of the C.Âelegans Somatic Gonad. Current Biology, 2017, 27, 1853-1860.e5.	3.9	24
14	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 Caenorhabditis elegans. Genetics, 2017, 207, 1473-1488.	2.9	18
15	A Real-Time Biosensor for ERK Activity Reveals Signaling Dynamics during C.Âelegans Cell Fate Specification. Developmental Cell, 2017, 42, 542-553.e4.	7.0	140
16	Determinants in the LIN-12/Notch Intracellular Domain That Govern Its Activity and Stability During Caenorhabditis elegans Vulval Development. G3: Genes, Genomes, Genetics, 2016, 6, 3663-3670.	1.8	8
17	A network of conserved formins, regulated by the guanine exchange factor EXC-5/FGD and the GTPase Cdc42, modulates tubulogenesis in vivo. Development (Cambridge), 2016, 143, 4173-4181.	2.5	19
18	Influences of LIN-12/Notch and POP-1/TCF on the Robustness of Ventral Uterine Cell Fate Specification inCaenorhabditis elegansGonadogenesis. G3: Genes, Genomes, Genetics, 2015, 5, 2775-2782.	1.8	10

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19	hecd-1ModulatesNotchActivity inCaenorhabditis elegans. G3: Genes, Genomes, Genetics, 2015, 5, 353-359.	1.8	8
20	Dimerization-driven degradation of C. elegans and human E proteins. Genes and Development, 2015, 29, 1356-1361.	5.9	30
21	The Disease-Associated Formin INF2/EXC-6 Organizes Lumen and Cell Outgrowth during Tubulogenesis by Regulating F-Actin and Microtubule Cytoskeletons. Developmental Cell, 2015, 32, 743-755.	7.0	47
22	Control of cell-fate plasticity and maintenance of multipotency by DAF-16/FoxO in quiescent Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2181-2186.	7.1	29
23	Notch signaling: genetics and structure. WormBook, 2013, , 1-28.	5.3	84
24	SEL-10/Fbw7-dependent negative feedback regulation of LIN-45/Braf signaling in C. elegans via a conserved phosphodegron. Genes and Development, 2012, 26, 2524-2535.	5.9	39
25	Notchand the Awesome Power of Genetics. Genetics, 2012, 191, 655-669.	2.9	55
26	Spatial Regulation of lag-2 Transcription During Vulval Precursor Cell Fate Patterning in Caenorhabditis Âelegans lag-2. Genetics, 2011, 188, 847-858.	2.9	37
27	OrthoList: A Compendium of C. elegans Genes with Human Orthologs. PLoS ONE, 2011, 6, e20085.	2.5	378
28	LIN-14 Inhibition of LIN-12 Contributes to Precision and Timing of C. elegans Vulval Fate Patterning. Current Biology, 2010, 20, 1875-1879.	3.9	31
29	A conserved tetraspanin subfamily promotes Notch signaling in Caenorhabditis elegans and in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5907-5912.	7.1	60
30	sel-11 and cdc-42, Two Negative Modulators of LIN-12/Notch Activity in C. elegans. PLoS ONE, 2010, 5, e11885.	2.5	12
31	Wnt signal from multiple tissues and lin-3 /EGF signal from the gonad maintain vulval precursor cell competence in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20368-20373.	7.1	46
32	SEL-2, the C. elegans neurobeachin/LRBA homolog, is a negative regulator of lin-12/Notch activity and affects endosomal traffic in polarized epithelial cells. Development (Cambridge), 2007, 134, 691-702.	2.5	55
33	New Positive Regulators of lin-12 Activity in Caenorhabditis elegans Include the BRE-5/Brainiac Glycosphingolipid Biosynthesis Enzyme. Genetics, 2005, 171, 1605-1615.	2.9	24
34	LIN-12/Notch Activation Leads to MicroRNA-Mediated Down-Regulation of Vav in C. elegans. Science, 2005, 310, 1330-1333.	12.6	135
35	LIN-12/Notch trafficking and regulation of DSL ligand activity during vulval induction in Caenorhabditis elegans. Development (Cambridge), 2005, 132, 5081-5092.	2.5	63
36	LIN-12/Notch signaling in C. elegans. WormBook, 2005, , 1-16.	5.3	72

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37	Crosstalk Between the EGFR and LIN-12/Notch Pathways in C. elegans Vulval Development. Science, 2004, 303, 663-666.	12.6	239
38	Multiple roles for the E/Daughterless ortholog HLH-2 during C. elegans gonadogenesis. Developmental Biology, 2004, 272, 460-469.	2.0	49
39	The Lateral Signal for LIN-12/Notch in C. elegans Vulval Development Comprises Redundant Secreted and Transmembrane DSL Proteins. Developmental Cell, 2004, 6, 183-192.	7.0	185
40	Post-transcriptional regulation of the E/Daughterless ortholog HLH-2, negative feedback, and birth order bias during the AC/VU decision in C. elegans. Genes and Development, 2003, 17, 3100-3111.	5.9	80
41	Endocytosis-mediated downregulation of LIN-12/Notch upon Ras activation in Caenorhabditis elegans. Nature, 2002, 420, 686-690.	27.8	137
42	Regulation of endocytosis by CUP-5, the Caenorhabditis elegans mucolipin-1 homolog. Nature Genetics, 2001, 28, 64-68.	21.4	201
43	Genetic Analysis of Endocytosis in Caenorhabditis elegans: Coelomocyte Uptake Defective Mutants. Genetics, 2001, 159, 133-145.	2.9	244
44	p24 Proteins and Quality Control of LIN-12 and GLP-1 Trafficking in Caenorhabditis elegans. Journal of Cell Biology, 1999, 145, 1165-1175.	5.2	91
45	Presenilin is required for activity and nuclear access of Notch in Drosophila. Nature, 1999, 398, 522-525.	27.8	777
46	SEL-5, A Serine/Threonine Kinase That Facilitates lin-12 Activity in Caenorhabditis elegans. Genetics, 1999, 153, 1641-1654.	2.9	16
47	The Caenorhabditis elegans sel-1 Gene, a Negative Regulator of lin-12 and glp-1, Encodes a Predicted Extracellular Protein. Genetics, 1996, 143, 237-247.	2.9	84
48	Facilitation of lin-12-mediated signalling by sel-12, a Caenorhabditis elegans S182 Alzheimer's disease gene. Nature, 1995, 377, 351-354.	27.8	728
49	Reciprocal changes in expression of the receptor lin-12 and its ligand lag-2 prior to commitment in a C. elegans cell fate decision. Cell, 1994, 79, 1187-1198.	28.9	247
50	Structure/function studies of lin-12/Notch proteins. Current Opinion in Genetics and Development, 1994, 4, 556-562.	3.3	118
51	Intrinsic activity of the lin-12 and Notch intracellular domains in vivo. Cell, 1993, 74, 331-345.	28.9	466
52	Making a difference: The role of cell-cell interactions in establishing separate identities for equivalent cells. Cell, 1992, 68, 271-281.	28.9	454
53	Analysis of gain-of-function mutations of the lin-12 gene of Caenorhabditis elegans. Nature, 1990, 346, 197-199.	27.8	163
54	Genetic and molecular analysis of EGF-related genes inCaenorhabditis elegans. Molecular Reproduction and Development, 1990, 27, 73-79.	2.0	3

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55	Cell-cell interactions prevent a potential inductive interaction between soma and germline in C. elegans. Cell, 1990, 61, 939-951.	28.9	84
56	ACaenorhabditis eleganscDNA that encodes a product resembling the rat glutathione S-transferase P subunit. Nucleic Acids Research, 1989, 17, 2138-2138.	14.5	27
57	glp-1 and lin-12, genes implicated in distinct cell-cell interactions in C. elegans, encode similar transmembrane proteins. Cell, 1989, 58, 553-563.	28.9	366
58	Cell autonomy of lin-12 function in a cell fate decision in C. elegans. Cell, 1989, 57, 1237-1245.	28.9	235
59	The Caenorhabditis elegans lin-12 gene encodes a transmembrane protein with overall similarity to Drosophila Notch. Nature, 1988, 335, 547-550.	27.8	288
60	Thelin-12 locus ofCaenorhabditis elegans. BioEssays, 1987, 6, 70-73.	2.5	9
61	A VISIBLE ALLELE OF THE MUSCLE GENE sup-10 X OF C. ELEGANS. Genetics, 1986, 113, 63-72.	2.9	35
62	lin-12, a nematode homeotic gene, is homologous to a set of mammalian proteins that includes epidermal growth factor. Cell, 1985, 43, 583-590.	28.9	393