

Susan Strome

List of Publications by Year in descending order

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56
papers

7,028
citations

87723

38
h-index

155451

55
g-index

60
all docs

60
docs citations

60
times ranked

6707
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative Analysis of the <i>Caenorhabditis elegans</i> Genome by the modENCODE Project. <i>Science</i> , 2010, 330, 1775-1787.	6.0	912
2	Generation of asymmetry and segregation of germ-line granules in early <i>C. elegans</i> embryos. <i>Cell</i> , 1983, 35, 15-25.	13.5	533
3	An assessment of histone-modification antibody quality. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 91-93.	3.6	369
4	Comparative analysis of metazoan chromatin organization. <i>Nature</i> , 2014, 512, 449-452.	13.7	363
5	PGL-1, a Predicted RNA-Binding Component of Germ Granules, Is Essential for Fertility in <i>C. elegans</i> . <i>Cell</i> , 1998, 94, 635-645.	13.5	340
6	Broad chromosomal domains of histone modification patterns in <i>C. elegans</i> . <i>Genome Research</i> , 2011, 21, 227-236.	2.4	256
7	H3K27me and PRC2 transmit a memory of repression across generations and during development. <i>Science</i> , 2014, 345, 1515-1518.	6.0	243
8	A spatial and temporal map of <i>C. elegans</i> gene expression. <i>Genome Research</i> , 2011, 21, 325-341.	2.4	241
9	Spindle Dynamics and the Role of β -Tubulin in Early <i>Caenorhabditis elegans</i> Embryos. <i>Molecular Biology of the Cell</i> , 2001, 12, 1751-1764.	0.9	224
10	P granules extend the nuclear pore complex environment in the <i>C. elegans</i> germ line. <i>Journal of Cell Biology</i> , 2011, 192, 939-948.	2.3	212
11	P Granule Assembly and Function in <i>Caenorhabditis elegans</i> Germ Cells. <i>Journal of Andrology</i> , 2010, 31, 53-60.	2.0	196
12	The Histone H3K36 Methyltransferase MES-4 Acts Epigenetically to Transmit the Memory of Germline Gene Expression to Progeny. <i>PLoS Genetics</i> , 2010, 6, e1001091.	1.5	178
13	Subunit Contributions to Histone Methyltransferase Activities of Fly and Worm Polycomb Group Complexes. <i>Molecular and Cellular Biology</i> , 2005, 25, 6857-6868.	1.1	174
14	Germ Versus Soma Decisions: Lessons from Flies and Worms. <i>Science</i> , 2007, 316, 392-393.	6.0	174
15	The MES-2/MES-3/MES-6 Complex and Regulation of Histone H3 Methylation in <i>C. elegans</i> . <i>Current Biology</i> , 2004, 14, 1639-1643.	1.8	169
16	<i>Caenorhabditis elegans</i> chromosome arms are anchored to the nuclear membrane via discontinuous association with LEM-2. <i>Genome Biology</i> , 2010, 11, R120.	13.9	169
17	Specifying and protecting germ cell fate. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 406-416.	16.1	156
18	An inverse relationship to germline transcription defines centromeric chromatin in <i>C. elegans</i> . <i>Nature</i> , 2012, 484, 534-537.	13.7	147

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19	Antagonism between MES-4 and Polycomb Repressive Complex 2 Promotes Appropriate Gene Expression in <i>C.Ælegans</i> Germ Cells. <i>Cell Reports</i> , 2012, 2, 1169-1177.	2.9	134
20	Germ-Granule Components Prevent Somatic Development in the <i>C.Ælegans</i> Germline. <i>Current Biology</i> , 2014, 24, 970-975.	1.8	129
21	The PGL Family Proteins Associate With Germ Granules and Function Redundantly in <i>Caenorhabditis elegans</i> Germline DevelopmentSequence data from this article have been deposited with the DDBJ/EMBL/GenBank Data Libraries under accession nos. AB120729 and AB120730.. <i>Genetics</i> , 2004, 167, 645-661.	1.2	127
22	Regulation of the Different Chromatin States of Autosomes and X Chromosomes in the Germ Line of <i>C. elegans</i> . <i>Science</i> , 2002, 296, 2235-2238.	6.0	113
23	MES-4: an autosome-associated histone methyltransferase that participates in silencing the X chromosomes in the <i>C. elegans</i> germ line. <i>Development (Cambridge)</i> , 2006, 133, 3907-3917.	1.2	111
24	<i>Caenorhabditis elegans</i> chromatin-associated proteins SET-2 and ASH-2 are differentially required for histone H3 Lys 4 methylation in embryos and adult germ cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8305-8310.	3.3	108
25	Trans-generational epigenetic regulation of <i>C. elegans</i> primordial germ cells. <i>Epigenetics and Chromatin</i> , 2010, 3, 15.	1.8	97
26	Specification of the germ line. <i>WormBook</i> , 2005, , 1-10.	5.3	94
27	A Genomewide RNAi Screen for Genes That Affect the Stability, Distribution and Function of P Granules in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2009, 183, 1397-1419.	1.2	93
28	Genetic Analysis of the <i>Caenorhabditis elegans</i> GLH Family of P-Granule Proteins. <i>Genetics</i> , 2008, 178, 1973-1987.	1.2	87
29	synMuv B proteins antagonize germline fate in the intestine and ensure <i>C. elegans</i> survival. <i>Development (Cambridge)</i> , 2011, 138, 1069-1079.	1.2	85
30	The Phenotype of <i>mes-2</i> , <i>mes-3</i> , <i>mes-4</i> and <i>mes-6</i> , Maternal-Effect Genes Required for Survival of the Germline in <i>Caenorhabditis elegans</i> , Is Sensitive to Chromosome Dosage. <i>Genetics</i> , 1998, 148, 167-185.	1.2	78
31	Defining heterochromatin in <i>C. elegans</i> through genome-wide analysis of the heterochromatin protein 1 homolog HPL-2. <i>Genome Research</i> , 2015, 25, 76-88.	2.4	68
32	Germ Granules Prevent Accumulation of Somatic Transcripts in the Adult <i>Caenorhabditis elegans</i> Germline. <i>Genetics</i> , 2017, 206, 163-178.	1.2	64
33	<i>Caenorhabditis elegans</i> sperm carry a histone-based epigenetic memory of both spermatogenesis and oogenesis. <i>Nature Communications</i> , 2018, 9, 4310.	5.8	63
34	Regulation of the X Chromosomes in <i>Caenorhabditis elegans</i> . <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a018366-a018366.	2.3	53
35	The DREAM complex promotes gene body H2A.Z for target repression. <i>Genes and Development</i> , 2015, 29, 495-500.	2.7	53
36	Structural basis for LIN54 recognition of CHR elements in cell cycle-regulated promoters. <i>Nature Communications</i> , 2016, 7, 12301.	5.8	52

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37	Sperm-inherited H3K27me3 impacts offspring transcription and development in <i>C. elegans</i> . <i>Nature Communications</i> , 2019, 10, 1271.	5.8	52
38	<i>Caenorhabditis elegans</i> polo-like kinase PLK-1 is required for merging parental genomes into a single nucleus. <i>Molecular Biology of the Cell</i> , 2015, 26, 4718-4735.	0.9	43
39	<i>Caenorhabditis elegans</i> MES-3 Is a Target of GLD-1 and Functions Epigenetically in Germline Development. <i>Genetics</i> , 2001, 159, 1007-1017.	1.2	41
40	Distinct Roles of Two Histone Methyltransferases in Transmitting H3K36me3-Based Epigenetic Memory Across Generations in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2018, 210, 969-982.	1.2	38
41	Repression of Germline Genes in <i>Caenorhabditis elegans</i> Somatic Tissues by H3K9 Dimethylation of Their Promoters. <i>Genetics</i> , 2019, 212, 125-140.	1.2	28
42	Loss of the <i>Caenorhabditis elegans</i> pocket protein LIN-35 reveals MuvB's innate function as the repressor of DREAM target genes. <i>PLoS Genetics</i> , 2017, 13, e1007088.	1.5	28
43	Depletion of a Novel SET-Domain Protein Enhances the Sterility of <i>mes-3</i> and <i>mes-4</i> Mutants of <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2001, 159, 1019-1029.	1.2	24
44	Early embryogenesis in <i>Caenorhabditis elegans</i> : The cytoskeleton and spatial organization of the zygote. <i>BioEssays</i> , 1988, 8, 145-149.	1.2	23
45	Reevaluation of whether a somatic germ-line transformation extends lifespan in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3591-3596.	3.3	19
46	<i>Caenorhabditis elegans</i> SET1/COMPASS Maintains Germline Identity by Preventing Transcriptional Deregulation Across Generations. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 561791.	1.8	12
47	The germ of the issue. <i>Nature</i> , 1992, 358, 367-367.	13.7	8
48	Opposing Activities of DRM and MES-4 Tune Gene Expression and X-Chromosome Repression in <i>Caenorhabditis elegans</i> Germ Cells. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 143-153.	0.8	8
49	A long lost key opens an ancient lock: <i>Drosophila</i> Myb causes a synthetic multivulval phenotype in nematodes. <i>Biology Open</i> , 2020, 9, .	0.6	8
50	Specification and Development of the Germline in <i>Caenorhabditis elegans</i> . <i>Novartis Foundation Symposium</i> , 1994, 182, 31-51.	1.2	8
51	A Conserved Nuclear Cyclophilin Is Required for Both RNA Polymerase II Elongation and Co-transcriptional Splicing in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2016, 12, e1006227.	1.5	7
52	A primer for generating and using transcriptome data and gene sets. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	6
53	Chromatin and epigenetics in development: a Special Issue. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	5
54	Inheritance of protection from osmotic stress. <i>Nature Cell Biology</i> , 2017, 19, 151-152.	4.6	3

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55	DREAM interrupted: severing LIN-35-MuvB association in <i>Caenorhabditis elegans</i> impairs DREAM function but not its chromatin localization. <i>Genetics</i> , 2022, 221, .	1.2	1
56	Toward Reprogramming Gonads to Brains. <i>Science</i> , 2011, 331, 292-293.	6.0	0