

Sander JI Van Den Heuvel

List of Publications by Year in descending order

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64
papers

7,283
citations

117453

34
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118652

62
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83
all docs

83
docs citations

83
times ranked

9566
citing authors

#	ARTICLE	IF	CITATIONS
1	Caenorhabditis elegans LET-413 Scribble is essential in the epidermis for growth, viability, and directional outgrowth of epithelial seam cells. PLoS Genetics, 2021, 17, e1009856.	1.5	7
2	Tissue polarity and PCP protein function: C.Âelegans as an emerging model. Current Opinion in Cell Biology, 2020, 62, 159-167.	2.6	6
3	Dose-dependent functions of SWI/SNF BAF in permitting and inhibiting cell proliferation in vivo. Science Advances, 2020, 6, eaay3823.	4.7	22
4	Cell Polarity: Getting the PARty Started. Current Biology, 2019, 29, R637-R639.	1.8	4
5	Developmental Control of the Cell Cycle: Insights from <i>Caenorhabditis elegans</i>. Genetics, 2019, 211, 797-829.	1.2	33
6	<i>C. elegans</i> Runx/CBFÎ ² suppresses POP-1 TCF to convert asymmetric to proliferative division of stem cell-like seam cells. Development (Cambridge), 2019, 146, .	1.2	12
7	Tumor suppressor APC is an attenuator of spindle-pulling forces during <i>C. elegans</i> asymmetric cell division. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E954-E963.	3.3	24
8	Local microtubule organization promotes cargo transport in <i>C. elegans</i> dendrites. Journal of Cell Science, 2018, 131, .	1.2	51
9	Optogenetic dissection of mitotic spindle positioning in vivo. ELife, 2018, 7, .	2.8	69
10	Two populations of cytoplasmic dynein contribute to spindle positioning in <i>C. elegans</i> embryos. Journal of Cell Biology, 2017, 216, 2777-2793.	2.3	39
11	A dual transcriptional reporter and CDK-activity sensor marks cell cycle entry and progression in C. elegans. PLoS ONE, 2017, 12, e0171600.	1.1	19
12	Switching on regeneration. Stem Cell Investigation, 2016, 3, 41-41.	1.3	1
13	A tissue-specific protein purification approach in Caenorhabditis elegans identifies novel interaction partners of DLG-1/Discs large. BMC Biology, 2016, 14, 66.	1.7	40
14	Tipping the spindle into the right position. Journal of Cell Biology, 2016, 213, 293-295.	2.3	4
15	A combined binary interaction and phenotypic map of C.Âelegans cell polarity proteins. Nature Cell Biology, 2016, 18, 337-346.	4.6	25
16	Coordinating cell proliferation and differentiation: Antagonism between cell cycle regulators and cell type-specific gene expression. Cell Cycle, 2016, 15, 196-212.	1.3	417
17	Light-controlled intracellular transport in Caenorhabditis elegans. Current Biology, 2016, 26, R153-R154.	1.8	44
18	Multisite Phosphorylation of NuMA-Related LIN-5 Controls Mitotic Spindle Positioning in C. elegans. PLoS Genetics, 2016, 12, e1006291.	1.5	16

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19	APC16 is a conserved subunit of the anaphase-promoting complex/cyclosome. <i>Journal of Cell Science</i> , 2015, 128, 4025-4025.	1.2	1
20	Genome-wide RNAi screen for synthetic lethal interactions with the <i>C. elegans</i> kinesin-5 homolog BMK-1. <i>Scientific Data</i> , 2015, 2, 150020.	2.4	11
21	Rb and FZR1/Cdh1 determine CDK4/6-cyclin D requirement in <i>C. elegans</i> and human cancer cells. <i>Nature Communications</i> , 2015, 6, 5906.	5.8	62
22	Polymerase $\hat{\Gamma}$ is a key driver of genome evolution and of CRISPR/Cas9-mediated mutagenesis. <i>Nature Communications</i> , 2015, 6, 7394.	5.8	87
23	G1/S Inhibitors and the SWI/SNF Complex Control Cell-Cycle Exit during Muscle Differentiation. <i>Cell</i> , 2015, 162, 300-313.	13.5	93
24	Polarity Control of Spindle Positioning in the <i>C. elegans</i> Embryo. , 2015, , 119-141.		0
25	F-actin asymmetry and the endoplasmic reticulum-associated TCC-1 protein contribute to stereotypic spindle movements in the <i>Caenorhabditis elegans</i> embryo. <i>Molecular Biology of the Cell</i> , 2013, 24, 2201-2215.	0.9	14
26	CRISPR/Cas9-Targeted Mutagenesis in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2013, 195, 1187-1191.	1.2	153
27	<i>C. elegans</i> Cell Cycle Analysis. <i>Methods in Cell Biology</i> , 2012, 107, 265-294.	0.5	18
28	<i>C. elegans</i> MCM-4 is a general DNA replication and checkpoint component with an epidermis-specific requirement for growth and viability. <i>Developmental Biology</i> , 2011, 350, 358-369.	0.9	28
29	aPKC phosphorylates NuMA-related LIN-5 to position the mitotic spindle during asymmetric division. <i>Nature Cell Biology</i> , 2011, 13, 1132-1138.	4.6	66
30	Cell shape and Wnt signaling redundantly control the division axis of <i>C. elegans</i> epithelial stem cells. <i>Development (Cambridge)</i> , 2011, 138, 4375-4385.	1.2	66
31	<i>Caenorhabditis elegans</i> Cyclin D/CDK4 and Cyclin E/CDK2 Induce Distinct Cell Cycle Re-Entry Programs in Differentiated Muscle Cells. <i>PLoS Genetics</i> , 2011, 7, e1002362.	1.5	33
32	APC16 is a conserved subunit of the anaphase-promoting complex/cyclosome. <i>Journal of Cell Science</i> , 2010, 123, 1623-1633.	1.2	27
33	<i>C. elegans</i> mitotic cyclins have distinct as well as overlapping functions in chromosome segregation. <i>Cell Cycle</i> , 2009, 8, 4091-4102.	1.3	47
34	NuMA-related LIN-5, ASPM-1, calmodulin and dynein promote meiotic spindle rotation independently of cortical LIN-5/GPR/Gi±. <i>Nature Cell Biology</i> , 2009, 11, 269-277.	4.6	113
35	Neuron-Specific Regulation of Associative Learning and Memory by MAGI-1 in <i>C. elegans</i> . <i>PLoS ONE</i> , 2009, 4, e6019.	1.1	55
36	Conserved functions of the pRB and E2F families. <i>Nature Reviews Molecular Cell Biology</i> , 2008, 9, 713-724.	16.1	444

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37	Determination of the Cleavage Plane in Early <i>C. elegans</i> Embryos. Annual Review of Genetics, 2008, 42, 389-411.	3.2	59
38	Transcriptional control of cell-cycle quiescence during <i>C. elegans</i> development. Developmental Biology, 2008, 313, 603-613.	0.9	38
39	A Protein Domain-Based Interactome Network for <i>C. elegans</i> Early Embryogenesis. Cell, 2008, 134, 534-545.	13.5	196
40	Coordination of Cell Proliferation and Differentiation: Finding a GEM in the Root?. Developmental Cell, 2007, 12, 841-842.	3.1	4
41	Large-scale RNAi screens identify novel genes that interact with the <i>C. elegans</i> retinoblastoma pathway as well as splicing-related components with synMuv B activity. BMC Developmental Biology, 2007, 7, 30.	2.1	101
42	Replication Licensing: Oops! I Did It Again. Current Biology, 2007, 17, R630-R632.	1.8	3
43	An ARC/Mediator subunit required for SREBP control of cholesterol and lipid homeostasis. Nature, 2006, 442, 700-704.	13.7	351
44	The Conserved Kinases CDK-1, GSK-3, KIN-19, and MBK-2 Promote OMA-1 Destruction to Regulate the Oocyte-to-Embryo Transition in <i>C. elegans</i> . Current Biology, 2006, 16, 47-55.	1.8	94
45	The <i>C. elegans</i> Cell Cycle: Overview of Molecules and Mechanisms. , 2005, , 051-068.		2
46	Cell-cycle control in <i>Caenorhabditis elegans</i> : how the worm moves from G1 to S. Oncogene, 2005, 24, 2756-2764.	2.6	27
47	Cell-cycle regulation. WormBook, 2005, , 1-16.	5.3	84
48	The <i>C. elegans</i> cell cycle: overview of molecules and mechanisms. Methods in Molecular Biology, 2005, 296, 51-67.	0.4	7
49	Toward Improving <i>Caenorhabditis elegans</i> Phenome Mapping With an ORFeome-Based RNAi Library. Genome Research, 2004, 14, 2162-2168.	2.4	831
50	Identification of Residues of the <i>Caenorhabditis elegans</i> LIN-1 ETS Domain That Are Necessary for DNA Binding and Regulation of Vulval Cell Fates. Genetics, 2004, 167, 1697-1709.	1.2	25
51	The CDC-14 phosphatase controls developmental cell-cycle arrest in <i>C. elegans</i> . Nature Cell Biology, 2004, 6, 777-783.	4.6	84
52	SUMO modification is required for in vivo Hox gene regulation by the <i>Caenorhabditis elegans</i> Polycomb group protein SOP-2. Nature Genetics, 2004, 36, 507-511.	9.4	79
53	Protein Degradation: CUL-3 and BTB Partners in Proteolysis. Current Biology, 2004, 14, R59-R61.	1.8	45
54	A Map of the Interactome Network of the Metazoan <i>C. elegans</i> . Science, 2004, 303, 540-543.	6.0	1,587

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55	The <i>C. elegans</i> Polycomb Gene <i>sop-2</i> Encodes an RNA Binding Protein. <i>Molecular Cell</i> , 2004, 14, 841-847.	4.5	56
56	Protein degradation: CUL-3 and BTB-partners in proteolysis. <i>Current Biology</i> , 2004, 14, R59-61.	1.8	20
57	DOCK4, a GTPase Activator, Is Disrupted during Tumorigenesis. <i>Cell</i> , 2003, 112, 673-684.	13.5	211
58	A complex of LIN-5 and GPR proteins regulates G protein signaling and spindle function in <i>C. elegans</i> . <i>Genes and Development</i> , 2003, 17, 1225-1239.	2.7	215
59	Malignant Worms: What Cancer Research Can Learn from <i>C. elegans</i> . <i>Cancer Investigation</i> , 2002, 20, 264-275.	0.6	14
60	<i>C. elegans</i> Class B Synthetic Multivulva Genes Act in G1 Regulation. <i>Current Biology</i> , 2002, 12, 906-911.	1.8	94
61	S and G2 Phase Roles for Cdk2 Revealed by Inducible Expression of a Dominant-Negative Mutant in Human Cells. <i>Molecular and Cellular Biology</i> , 2001, 21, 2755-2766.	1.1	136
62	<i>lin-35</i> Rb and <i>cki-1</i> Cip/Kip cooperate in developmental regulation of G1 progression in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2001, 128, 4349-4359.	1.2	99
63	LIN-5 Is a Novel Component of the Spindle Apparatus Required for Chromosome Segregation and Cleavage Plane Specification in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2000, 148, 73-86.	2.3	96
64	[34] GATEWAY recombinational cloning: Application to the cloning of large numbers of open reading frames or ORFeomes. <i>Methods in Enzymology</i> , 2000, 328, 575-587.	0.4	570