

# Hitoshi Sawa

## List of Publications by Year in descending order

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44  
papers

2,282  
citations

257450

24  
h-index

254184

43  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1911  
citing authors

#	ARTICLE	IF	CITATIONS
1	WRM-1 Activates the LIT-1 Protein Kinase to Transduce Anterior/Posterior Polarity Signals in <i>C. elegans</i> . <i>Cell</i> , 1999, 97, 717-726.	28.9	250
2	Evidence for a base-pairing interaction between U6 small nuclear RNA and 5' splice site during the splicing reaction in yeast.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 11269-11273.	7.1	158
3	Wnt Signals Can Function as Positional Cues in Establishing Cell Polarity. <i>Developmental Cell</i> , 2006, 10, 391-396.	7.0	155
4	A $\beta$ -Catenin Identified by Functional Rather Than Sequence Criteria and Its Role in Wnt/MAPK Signaling. <i>Cell</i> , 2005, 121, 761-772.	28.9	134
5	Two $\beta$ s or not two $\beta$ s: regulation of asymmetric division by $\beta$ -catenin. <i>Trends in Cell Biology</i> , 2007, 17, 465-473.	7.9	131
6	Cortical $\beta$ -Catenin and APC Regulate Asymmetric Nuclear $\beta$ -Catenin Localization during Asymmetric Cell Division in <i>C. elegans</i> . <i>Developmental Cell</i> , 2007, 12, 287-299.	7.0	113
7	The Human Musashi Homolog 1 (MSI1) Gene Encoding the Homologue of Musashi/Nrp-1, a Neural RNA-Binding Protein Putatively Expressed in CNS Stem Cells and Neural Progenitor Cells. <i>Genomics</i> , 1998, 52, 382-384.	2.9	103
8	Wnt signaling in <i>C. elegans</i> . <i>WormBook</i> , 2013, , 1-30.	5.3	98
9	Wnt Regulates Spindle Asymmetry to Generate Asymmetric Nuclear $\beta$ -Catenin in <i>C. elegans</i> . <i>Cell</i> , 2011, 146, 942-954.	28.9	92
10	Components of the SWI/SNF Complex Are Required for Asymmetric Cell Division in <i>C. elegans</i> . <i>Molecular Cell</i> , 2000, 6, 617-624.	9.7	85
11	Asymmetric cortical and nuclear localizations of WRM-1/ $\beta$ -catenin during asymmetric cell division in <i>C. elegans</i> . <i>Genes and Development</i> , 2005, 19, 1743-1748.	5.9	80
12	Complex Network of Wnt Signaling Regulates Neuronal Migrations During <i>Caenorhabditis elegans</i> Development. <i>Genetics</i> , 2008, 179, 1357-1371.	2.9	79
13	Components of the transcriptional Mediator complex are required for asymmetric cell division in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2005, 132, 1885-1893.	2.5	77
14	Wnt Signaling and a Hox Protein Cooperatively Regulate PSA-3/Meis to Determine Daughter Cell Fate after Asymmetric Cell Division in <i>C. elegans</i> . <i>Developmental Cell</i> , 2006, 11, 105-115.	7.0	57
15	Control of Cell Polarity and Asymmetric Division in <i>C. elegans</i> . <i>Current Topics in Developmental Biology</i> , 2012, 101, 55-76.	2.2	49
16	MSI-1, a neural RNA-binding protein, is involved in male mating behaviour in <i>Caenorhabditis elegans</i> . <i>Genes To Cells</i> , 2000, 5, 885-895.	1.2	43
17	$\beta$ -Catenin asymmetry is regulated by PLA1 and retrograde traffic in <i>C. elegans</i> stem cell divisions. <i>EMBO Journal</i> , 2008, 27, 1647-1657.	7.8	43
18	Multiple Wnts Redundantly Control Polarity Orientation in <i>Caenorhabditis elegans</i> Epithelial Stem Cells. <i>PLoS Genetics</i> , 2011, 7, e1002308.	3.5	43

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19	Formation and functions of asymmetric microtubule organization in polarized cells. <i>Current Opinion in Cell Biology</i> , 2012, 24, 517-525.	5.4	39
20	Power law relationship between cell cycle duration and cell volume in the early embryonic development of <i>Caenorhabditis elegans</i> . <i>Frontiers in Physiology</i> , 2014, 5, 529.	2.8	39
21	Critical Role of <i>Caenorhabditis elegans</i> Homologs of Cds1 (Chk2)-Related Kinases in Meiotic Recombination. <i>Molecular and Cellular Biology</i> , 2001, 21, 1329-1335.	2.3	32
22	The <i>C. elegans</i> RUNX transcription factor RNT-1/MAB-2 is required for asymmetrical cell division of the T blast cell. <i>Developmental Biology</i> , 2005, 287, 262-273.	2.0	31
23	The SWI/SNF Chromatin Remodeling Complex Selectively Affects Multiple Aspects of Serotonergic Neuron Differentiation. <i>Genetics</i> , 2013, 194, 189-198.	2.9	30
24	Extracellular control of PAR protein localization during asymmetric cell division in the <i>C. elegans</i> embryo. <i>Development (Cambridge)</i> , 2010, 137, 3337-3345.	2.5	29
25	Double bromodomain protein BET-1 and MYST HATs establish and maintain stable cell fates in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2010, 137, 1045-1053.	2.5	25
26	Cortical Polarity of the RING Protein PAR-2 Is Maintained by Exchange Rate Kinetics at the Cortical-Cytoplasmic Boundary. <i>Cell Reports</i> , 2016, 16, 2156-2168.	6.4	25
27	Tumor suppressor APC is an attenuator of spindle-pulling forces during <i>C. elegans</i> asymmetric cell division. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E954-E963.	7.1	24
28	RMD-1, a novel microtubule-associated protein, functions in chromosome segregation in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2007, 179, 1149-1162.	5.2	23
29	The auxin-inducible degron 2 (AID2) system enables controlled protein knockdown during embryogenesis and development in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2022, 220, .	2.9	22
30	Distinct and mutually inhibitory binding by two divergent $\beta$ -catenins coordinates TCF levels and activity in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2011, 138, 4255-4265.	2.5	21
31	Multiple functions of PBRM-1/Polybromo- and LET-526/Osa-containing chromatin remodeling complexes in <i>C. elegans</i> development. <i>Developmental Biology</i> , 2012, 361, 349-357.	2.0	21
32	The Mediator Kinase Module Restrains Epidermal Growth Factor Receptor Signaling and Represses Vulval Cell Fate Specification in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2016, 202, 583-599.	2.9	19
33	Cyclin E and CDK2 Repress the Terminal Differentiation of Quiescent Cells after Asymmetric Division in <i>C. elegans</i> . <i>PLoS ONE</i> , 2007, 2, e407.	2.5	19
34	Alterations of RNase H sensitivity of the 3' splice site region during their vitrospllicing reaction. <i>Nucleic Acids Research</i> , 1991, 19, 3953-3958.	14.5	18
35	Specification of neurons through asymmetric cell divisions. <i>Current Opinion in Neurobiology</i> , 2010, 20, 44-49.	4.2	14
36	HTZ-1/H2A.z and MYS-1/MYST HAT act redundantly to maintain cell fates in somatic gonadal cells through repression of <i>ceh-22</i> in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2014, 141, 209-218.	2.5	13

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37	PIGN prevents protein aggregation in the endoplasmic reticulum independently of its function in the GPI synthesis. <i>Journal of Cell Science</i> , 2016, 130, 602-613.	2.0	13
38	Regulation of asymmetric positioning of nuclei by Wnt and Src signaling and its roles in POP-1/TCF nuclear asymmetry in <i>Caenorhabditis elegans</i> . <i>Genes To Cells</i> , 2010, 15, 397-407.	1.2	11
39	Tcl-2 encodes a novel protein that acts synergistically with Wnt signaling pathways in <i>C. elegans</i> . <i>Developmental Biology</i> , 2003, 256, 276-289.	2.0	7
40	Requirement of protein factors and ATP for the disassembly of the spliceosome after mRNA splicing reaction. <i>Nucleic Acids Research</i> , 1991, 19, 6819-6821.	14.5	6
41	Nucleotide sequence of a fission yeast gene encoding the DEAH-box RNA helicase. <i>Nucleic Acids Research</i> , 1992, 20, 5841-5841.	14.5	4
42	RMD-1, a novel microtubule-associated protein, functions in chromosome segregation in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 2009, 186, 629-629.	5.2	3
43	Modified auxin improves the auxin-inducible degradation (AID) system for laid embryos. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	3
44	2P151 1C1435 Directional control PAR-dependent cell polarization in <i>C. elegans</i> embryo(The 48th Annual) Tj ETQq0000 rgBT0/Overlock	0.1	0