Asako Sugimoto

List of Publications by Year
in descending order

50	3,222	279798	206112
papers	citations	23 h-index	48 g-index

55	55	55	3313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large-scale analysis of gene function in Caenorhabditis elegans by high-throughput RNAi. Current Biology, 2001, 11, 171-176.	3.9	677
2	Schizosaccharomyces pombe ste11+ encodes a transcription factor with an HMG motif that is a critical regulator of sexual development.. Genes and Development, 1991, 5, 1990-1999.	5.9	342
3	Type II Myosin Heavy Chain Encoded by the myo2 Gene Composes the Contractile Ring during Cytokinesis in Schizosaccharomyces pombe. Journal of Cell Biology, 1997, 137, 1309-1319.	5.2	205
4	end-1 encodes an apparent GATA factor that specifies the endoderm precursor in Caenorhabditis elegansâ€‰embryos. Genes and Development, 1997, 11, 2883-2896.	5.9	203
5	Sequential functioning of the ECT-2 RhoGEF, RHO-1 and CDC-42 establishes cell polarity in Caenorhabditis elegans embryos. Nature Cell Biology, 2006, 8, 978-985.	10.3	162
6	A new mechanism controlling kinetochoreâ€“microtubule interactions revealed by comparison of two dynein-targeting components: SPDL-1 and the Rod/Zwilch/Zw10 complex. Genes and Development, 2008, 22, 2385-2399.	5.9	156
7	Essential role of theC. elegansArp2/3 complex in cell migration during ventral enclosure. Journal of Cell Science, 2003, 116, 1505-1518.	2.0	112
8	PGL proteins self associate and bind RNPs to mediate germ granule assembly in C. elegans. Journal of Cell Biology, 2011, 192, 929-937.	5.2	105
9	Biology and genome of a newly discovered sibling species of Caenorhabditis elegans. Nature Communications, 2018, 9, 3216.	12.8	102
10	Protein phosphatase 4 is required for centrosome maturation in mitosis and sperm meiosis inC. elegans. Journal of Cell Science, 2002, 115, 1403-1410.	2.0	86
11	High-throughput RNAi in Caenorhabditis elegans: genome-wide screens and functional genomics. Differentiation, 2004, 72, 81-91.	1.9	85
12	Two Phases of Astral Microtubule Activity during Cytokinesis in C. elegans Embryos. Developmental Cell, 2006, 10, 509-520.	7.0	84
13	Protein phosphatase 4 is required for centrosome maturation in mitosis and sperm meiosis in C. elegans. Journal of Cell Science, 2002, 115, 1403-10.	2.0	78
14	EGG-3 Regulates Cell-Surface and Cortex Rearrangements during Egg Activation in Caenorhabditis elegans. Current Biology, 2007, 17, 1555-1560.	3.9	76
15	A kinase-independent role for Aurora A in the assembly of mitotic spindle microtubules in Caenorhabditis elegans embryos. Nature Cell Biology, 2011, 13, 708-714.	10.3	76
16	Schizosaccharomyces pombe pac2 + controls the onset of sexual development via a pathway independent of the cAMP cascade. Current Genetics, 1995, 28, 32-38.	1.7	60
17	Tubulin isotype substitution revealed that isotype composition modulates microtubule dynamics inC. elegansembryos. Journal of Cell Science, 2017, 130, 1652-1661.	2.0	39
18	Distinct Developmental Function of TwoCaenorhabditis elegansHomologs of the Cohesin Subunit Scc1/Rad21. Molecular Biology of the Cell, 2003, 14, 2399-2409.	2.1	37

#	Article	IF	Citations
19	Caenorhabditis elegans Geminin Homologue Participates in Cell Cycle Regulation and Germ Line Development. Journal of Biological Chemistry, 2005, 280, 19689-19694.	3.4	32
20	The Role of Protein Phosphatase 4 in Regulating Microtubule Severing in theCaenorhabditis elegansEmbryo. Genetics, 2009, 181, 933-943.	2.9	31
21	Schizosaccharomyces pombe zfs1+ encoding a zinc-finger protein functions in the mating pheromone recognition pathway.. Molecular Biology of the Cell, 1995, 6, 1185-1195.	2.1	30
22	Tissue Architecture in the Caenorhabditis elegans Gonad Depends on Interactions Among Fibulin-1, Type IV Collagen and the ADAMTS Extracellular Protease. Genetics, 2012, 190, 1379-1388.	2.9	30
23	Caenorhabditis elegans DAZ-1 is expressed in proliferating germ cells and directs proper nuclear organization and cytoplasmic core formation during oogenesis. Developmental Biology, 2005, 277, 142-154.	2.0	29
24	The Caenorhabditis elegans DDXâ€23, a homolog of yeast splicing factor PRP28, is required for the spermâ€oocyte switch and differentiation of various cell types. Developmental Dynamics, 2008, 237, 2367-2377.	1.8	28
25	Imaging of Mitotic Spindle Dynamics in Caenorhabditis elegans Embryos. Methods in Cell Biology, 2010, 97, 359-372.	1.1	27
26	The nucleoporin Nup205/NPP-3 is lost near centrosomes at mitotic onset and can modulate the timing of this process inCaenorhabditis elegansembryos. Molecular Biology of the Cell, 2012, 23, 3111-3121.	2.1	27
27	The C. elegans eyes absent ortholog EYA-1 is required for tissue differentiation and plays partially redundant roles with PAX-6. Developmental Biology, 2005, 286, 452-463.	2.0	25
28	Protein Phosphatase 4 Promotes Chromosome Pairing and Synapsis, and Contributes to Maintaining Crossover Competence with Increasing Age. PLoS Genetics, 2014, 10, e1004638.	3.5	24
29	The UBXN-2/p37/p47 adaptors of CDC-48/p97 regulate mitosis by limiting the centrosomal recruitment of Aurora A. Journal of Cell Biology, 2013, 201, 559-575.	5.2	23
30	Caenorhabditis elegansAurora A kinase is required for the formation of spindle microtubules in female meiosis. Molecular Biology of the Cell, 2015, 26, 4187-4196.	2.1	23
31	The auxin-inducible degron 2 (AID2) system enables controlled protein knockdown during embryogenesis and development in Caenorhabditis elegans. Genetics, 2022, 220, .	2.9	22
32	Important Role of Junctophilin in Nematode Motor Function. Biochemical and Biophysical Research Communications, 2001, 289, 234-239.	2.1	18
33	Streptothricin acetyl transferase 2 (Sat2): A dominant selection marker for Caenorhabditis elegans genome editing. PLoS ONE, 2018, 13, e0197128.	2.5	18
34	Type II platelet-activating factor-acetylhydrolase is essential for epithelial morphogenesis in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13233-13238.	7.1	17
35	The Î²-catenin HMP-2 functions downstream of Src in parallel with the Wnt pathway in early embryogenesis of C. elegans. Developmental Biology, 2011, 355, 302-312.	2.0	17
36	kel-1 , a novel Kelch -related gene in Caenorhabditis elegans , is expressed in pharyngeal gland cells and is required for the feeding process. Genes To Cells, 1999, 4, 325-337.	1.2	15

#	Article	IF	Citations
37	Efficient production of monoclonal antibodies recognizing specific structures in Caenorhabditis elegans embryos using an antigen subtraction method. Genes To Cells, 2008, 13, 653-665.	1.2	11
38	Caenorhabditis elegans ortholog of the p24/p22 subunit, DNCâ€3, is essential for the formation of the dynactin complex by bridging DNCâ€1/p150^{Glued} and DNCâ€2/dynamitin. Genes To Cells, 2010, 15, 1145-1157.	1.2	11
39	The PAF1 complex is involved in embryonic epidermal morphogenesis in Caenorhabditis elegans. Developmental Biology, 2014, 391, 43-53.	2.0	11
40	Transgenesis by microparticle bombardment for live imaging of fluorescent proteins in Pristionchus pacificus germline and early embryos. Development Genes and Evolution, 2018, 228, 75-82.	0.9	11
41	Expression Patterns and Levels of All Tubulin Isotypes Analyzed in GFP Knock-In <i>C. elegans</i> Strains. Cell Structure and Function, 2021, 46, 51-64.	1.1	10
42	Many Genomic Regions Are Required for Normal Embryonic Programmed Cell Death in Caenorhabditis elegans. Genetics, 2001, 158, 237-252.	2.9	10
43	Centrosome maturation requires phosphorylation-mediated sequential domain interactions of SPD-5. Journal of Cell Science, 2022, 135, .	2.0	10
44	Fluorescence-labeled neopeltolide derivatives for subcellular localization imaging. Organic and Biomolecular Chemistry, 2019, 17, 6771-6776.	2.8	7
45	The Role of Tissue Inhibitors of Metalloproteinases in Organ Development and Regulation of ADAMTS Family Metalloproteinases in Caenorhabditis elegans. Genetics, 2019, 212, 523-535.	2.9	7
46	Cell Polarity: Centrosomes Release Signals for Polarization. Current Biology, 2012, 22, R281-R283.	3.9	4
47	The <scp>PAF1</scp> complex cell autonomously promotes oogenesis in Caenorhabditis elegans. Genes To Cells, 2022, 27, 409-420.	1.2	4
48	High-throughput RNAi by soaking in Caenorhabtis elegans. , 2005, , 419-432.		3
49	Toward the second stage of recovery from the 3.11 Tohoku Earthquake. Genes To Cells, 2011, 16, 745-747.	1.2	2
50	Type II plateletâ€activating factorâ€acetylhydrolase is essential for epithelial morphogenesis in C. elegans. FASEB Journal, 2006, 20, LB43.	0.5	0