

Julie C Canman

List of Publications by Year in descending order

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51
papers

3,935
citations

172457

29
h-index

182427

51
g-index

59
all docs

59
docs citations

59
times ranked

3634
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional midbody assembly in the absence of a central spindle. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	7
2	Circadian autophagy drives iTRF-mediated longevity. <i>Nature</i> , 2021, 598, 353-358.	27.8	105
3	Circadian regulation of mitochondrial uncoupling and lifespan. <i>Nature Communications</i> , 2020, 11, 1927.	12.8	53
4	Dissection of central clock function in <i>Drosophila</i> through cell-specific CRISPR-mediated clock gene disruption. <i>ELife</i> , 2019, 8, .	6.0	45
5	Mechanics of cell division and cytokinesis. <i>Molecular Biology of the Cell</i> , 2018, 29, 685-686.	2.1	5
6	Polyploid Superficial Cells that Maintain the Urothelial Barrier Are Produced via Incomplete Cytokinesis and Endoreplication. <i>Cell Reports</i> , 2018, 25, 464-477.e4.	6.4	49
7	FLIRT: fast local infrared thermogenetics for subcellular control of protein function. <i>Nature Methods</i> , 2018, 15, 921-923.	19.0	22
8	Microtubule Dynamics Scale with Cell Size to Set Spindle Length and Assembly Timing. <i>Developmental Cell</i> , 2018, 45, 496-511.e6.	7.0	76
9	Live imaging of <i>C. elegans</i> oocytes and early embryos. <i>Methods in Cell Biology</i> , 2018, 145, 217-236.	1.1	27
10	A bidirectional relationship between sleep and oxidative stress in <i>Drosophila</i> . <i>PLoS Biology</i> , 2018, 16, e2005206.	5.6	116
11	Cell-intrinsic and -extrinsic mechanisms promote cell-type-specific cytokinetic diversity. <i>ELife</i> , 2018, 7, .	6.0	27
12	BUB-1 promotes amphitelic chromosome biorientation via multiple activities at the kinetochore. <i>ELife</i> , 2018, 7, .	6.0	21
13	Low Efficiency Upconversion Nanoparticles for High-Resolution Coalignment of Near-Infrared and Visible Light Paths on a Light Microscope. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7929-7940.	8.0	6
14	A <i>Drosophila</i> model of Fragile X syndrome exhibits defects in phagocytosis by innate immune cells. <i>Journal of Cell Biology</i> , 2017, 216, 595-605.	5.2	28
15	Inhibition of ectopic microtubule assembly by the kinesin-13 KLP-7MCAK prevents chromosome segregation and cytokinesis defects in oocytes. <i>Development (Cambridge)</i> , 2017, 144, 1674-1686.	2.5	41
16	CYK-4 regulates Rac, but not Rho, during cytokinesis. <i>Molecular Biology of the Cell</i> , 2017, 28, 1258-1270.	2.1	43
17	Chromosome segregation occurs by microtubule pushing in oocytes. <i>Nature Communications</i> , 2017, 8, 1499.	12.8	79
18	Using fast-acting temperature-sensitive mutants to study cell division in <i>Caenorhabditis elegans</i> . <i>Methods in Cell Biology</i> , 2017, 137, 283-306.	1.1	12

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19	Inhibition of ectopic microtubule assembly by the kinesin-13 KLP-7 prevents chromosome segregation and cytokinesis defects in oocytes. <i>Journal of Cell Science</i> , 2017, 130, e1.1-e1.1.	2.0	1
20	Dietary Restriction Extends the Lifespan of Circadian Mutants <i>tim</i> and <i>per</i> . <i>Cell Metabolism</i> , 2016, 24, 763-764.	16.2	21
21	Cell polarity is on PAR with cytokinesis. <i>Cell Cycle</i> , 2016, 15, 1307-1308.	2.6	5
22	period-Regulated Feeding Behavior and TOR Signaling Modulate Survival of Infection. <i>Current Biology</i> , 2016, 26, 184-194.	3.9	26
23	Cortical PAR polarity proteins promote robust cytokinesis during asymmetric cell division. <i>Journal of Cell Biology</i> , 2016, 212, 39-49.	5.2	54
24	Kinetochores are required for central spindle assembly. <i>Nature Cell Biology</i> , 2015, 17, 697-705.	10.3	47
25	High-Resolution Temporal Analysis Reveals a Functional Timeline for the Molecular Regulation of Cytokinesis. <i>Developmental Cell</i> , 2014, 30, 209-223.	7.0	90
26	Stuck in the middle: Rac, adhesion, and cytokinesis. <i>Journal of Cell Biology</i> , 2012, 198, 769-771.	5.2	10
27	Rho GTPases in animal cell cytokinesis: An occupation by the one percent. <i>Cytoskeleton</i> , 2012, 69, 919-930.	2.0	92
28	Cytokinesis: Thinking Outside the Cell. <i>Current Biology</i> , 2011, 21, R119-R121.	3.9	12
29	Cytokinetic astralogy. <i>Journal of Cell Biology</i> , 2009, 187, 757-759.	5.2	7
30	Inhibition of Rac by the GAP Activity of Centralspindlin Is Essential for Cytokinesis. <i>Science</i> , 2008, 322, 1543-1546.	12.6	172
31	Control of nuclear centration in the <i>C. elegans</i> zygote by receptor-independent G β signaling and myosin II. <i>Journal of Cell Biology</i> , 2007, 178, 1177-1191.	5.2	39
32	Kinesin 5-independent poleward flux of kinetochore microtubules in PtK1 cells. <i>Journal of Cell Biology</i> , 2006, 173, 173-179.	5.2	104
33	The Mad1/Mad2 Complex as a Template for Mad2 Activation in the Spindle Assembly Checkpoint. <i>Current Biology</i> , 2005, 15, 214-225.	3.9	376
34	Taxol-stabilized Microtubules Can Position the Cytokinetic Furrow in Mammalian Cells. <i>Molecular Biology of the Cell</i> , 2005, 16, 4423-4436.	2.1	63
35	Proper Alignment and Adjustment of the Light Microscope. , 2005, Chapter 2, Unit 2A.1.		2
36	<i>C. elegans</i> PAR Proteins Function by Mobilizing and Stabilizing Asymmetrically Localized Protein Complexes. <i>Current Biology</i> , 2004, 14, 851-862.	3.9	166

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37	Nuf2 and Hec1 Are Required for Retention of the Checkpoint Proteins Mad1 and Mad2 to Kinetochores. <i>Current Biology</i> , 2003, 13, 2103-2109.	3.9	135
38	Determining the position of the cell division plane. <i>Nature</i> , 2003, 424, 1074-1078.	27.8	220
39	[26] Spinning disk confocal microscope system for rapid high-resolution, multimode, fluorescence speckle microscopy and green fluorescent protein imaging in living cells. <i>Methods in Enzymology</i> , 2003, 360, 597-617.	1.0	69
40	Merotelic kinetochore orientation occurs frequently during early mitosis in mammalian tissue cells and error correction is achieved by two different mechanisms. <i>Journal of Cell Science</i> , 2003, 116, 4213-4225.	2.0	232
41	EB1 Targets to Kinetochores with Attached, Polymerizing Microtubules. <i>Molecular Biology of the Cell</i> , 2002, 13, 4308-4316.	2.1	168
42	Mad2 and BubR1 Function in a Single Checkpoint Pathway that Responds to a Loss of Tension. <i>Molecular Biology of the Cell</i> , 2002, 13, 3706-3719.	2.1	88
43	Anaphase onset does not require the microtubule-dependent depletion of kinetochore and centromere-binding proteins. <i>Journal of Cell Science</i> , 2002, 115, 3787-3795.	2.0	34
44	Proper Alignment and Adjustment of the Light Microscope. <i>Current Protocols in Immunology</i> , 2002, 48, Unit 21.1.	3.6	4
45	Inducing precocious anaphase in cultured mammalian cells. <i>Cytoskeleton</i> , 2002, 52, 61-65.	4.4	39
46	Cyclin E and Its Associated cdk Activity Do Not Cycle during Early Embryogenesis of the Sea Urchin. <i>Developmental Biology</i> , 2001, 234, 425-440.	2.0	23
47	A spinning disk confocal microscope system for rapid high resolution, multimode, fluorescence speckle microscopy and GFP imaging in living cells. <i>Microscopy and Microanalysis</i> , 2001, 7, 8-9.	0.4	2
48	Cytoplasmic dynein/dynactin drives kinetochore protein transport to the spindle poles and has a role in mitotic spindle checkpoint inactivation. <i>Journal of Cell Biology</i> , 2001, 155, 1159-1172.	5.2	475
49	The role of pre- and post-anaphase microtubules in the cytokinesis phase of the cell cycle. <i>Current Biology</i> , 2000, 10, 611-614.	3.9	110
50	The human SWI/SNF-B chromatin-remodeling complex is related to yeast Rsc and localizes at kinetochores of mitotic chromosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 13015-13020.	7.1	246
51	Proper Alignment and Adjustment of the Light Microscope. <i>Current Protocols in Cell Biology</i> , 1998, 00, Unit 4.1.	2.3	10