Julien Dumont

List of Publications by Year in descending order

34 papers	1,822 citations	394421 19 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	1476 citing authors

#	Article	IF	Citations
1	Functional midbody assembly in the absence of a central spindle. Journal of Cell Biology, 2022, 221, .	5.2	7
2	Spatial and Temporal Scaling of Microtubules and Mitotic Spindles. Cells, 2022, 11, 248.	4.1	5
3	Disentangling the molecular determinants for Cenpâ€F localization to nuclear pores and kinetochores. EMBO Reports, 2018, 19, .	4.5	26
4	FLIRT: fast local infrared thermogenetics for subcellular control of protein function. Nature Methods, 2018, 15, 921-923.	19.0	22
5	Microtubule Dynamics Scale with Cell Size to Set Spindle Length and Assembly Timing. Developmental Cell, 2018, 45, 496-511.e6.	7.0	76
6	Live imaging of C. elegans oocytes and early embryos. Methods in Cell Biology, 2018, 145, 217-236.	1.1	27
7	Cell-intrinsic and -extrinsic mechanisms promote cell-type-specific cytokinetic diversity. ELife, 2018, 7, .	6.0	27
8	BUB-1 promotes amphitelic chromosome biorientation via multiple activities at the kinetochore. ELife, 2018, 7, .	6.0	21
9	Low Efficiency Upconversion Nanoparticles for High-Resolution Coalignment of Near-Infrared and Visible Light Paths on a Light Microscope. ACS Applied Materials & Interfaces, 2017, 9, 7929-7940.	8.0	6
10	Inhibition of ectopic microtubule assembly by the kinesin-13 KLP-7MCAK prevents chromosome segregation and cytokinesis defects in oocytes. Development (Cambridge), 2017, 144, 1674-1686.	2.5	41
11	CYK-4 regulates Rac, but not Rho, during cytokinesis. Molecular Biology of the Cell, 2017, 28, 1258-1270.	2.1	43
12	Channel Nucleoporins Recruit PLK-1 to Nuclear Pore Complexes to Direct Nuclear Envelope Breakdown in C.Âelegans. Developmental Cell, 2017, 43, 157-171.e7.	7.0	75
13	Chromosome segregation occurs by microtubule pushing in oocytes. Nature Communications, 2017, 8, 1499.	12.8	79
14	Inhibition of ectopic microtubule assembly by the kinesin-13 KLP-7 prevents chromosome segregation and cytokinesis defects in oocytes. Journal of Cell Science, 2017, 130, e1.1-e1.1.	2.0	1
15	Identification of microtubule growth deceleration and its regulation by conserved and novel proteins. Molecular Biology of the Cell, 2016, 27, 1479-1487.	2.1	15
16	A Nucleoporin Docks Protein Phosphatase 1 to Direct Meiotic Chromosome Segregation and Nuclear Assembly. Developmental Cell, 2016, 38, 463-477.	7.0	77
17	Microtubule-severing activity of AAA-ATPase Katanin is essential for female meiotic spindle assembly. Development (Cambridge), 2016, 143, 3604-3614.	2.5	23
18	Cortical PAR polarity proteins promote robust cytokinesis during asymmetric cell division. Journal of Cell Biology, 2016, 212, 39-49.	5.2	54

#	Article	IF	Citations
19	Versatile kinetochore components control central spindle assembly. Cell Cycle, 2015, 14, 2545-2546.	2.6	3
20	Aurora B/C in Meiosis: Correct Me If Iâ€™m Right. Developmental Cell, 2015, 33, 499-501.	7.0	1
21	Kinetochore components are required for central spindle assembly. Nature Cell Biology, 2015, 17, 697-705.	10.3	47
22	High-Resolution Temporal Analysis Reveals a Functional Timeline for the Molecular Regulation of Cytokinesis. Developmental Cell, 2014, 30, 209-223.	7.0	90
23	Using FRET to Study RanGTP Gradients in Live Mouse Oocytes. Methods in Molecular Biology, 2013, 957, 107-120.	0.9	4
24	Microtubule severing by the katanin complex is activated by PPFR-1â€“dependent MEI-1 dephosphorylation. Journal of Cell Biology, 2013, 202, 431-439.	5.2	20
25	Bipolar disorder: Kinesin-12 to the rescue. Cell Cycle, 2012, 11, 212-212.	2.6	3
26	Polar body cytokinesis. Cytoskeleton, 2012, 69, 855-868.	2.0	63
27	Acentrosomal spindle assembly and chromosome segregation during oocyte meiosis. Trends in Cell Biology, 2012, 22, 241-249.	7.9	157
28	A kinetochore-independent mechanism drives anaphase chromosome separation during acentrosomal meiosis. Nature Cell Biology, 2010, 12, 894-901.	10.3	189
29	Analyzing the Effects of Delaying Aster Separation on Furrow Formation during Cytokinesis in the Caenorhabditis elegans Embryo. Molecular Biology of the Cell, 2010, 21, 50-62.	2.1	47
30	Actin filaments: key players in the control of asymmetric divisions in mouse oocytes. Biology of the Cell, 2009, 101, 69-76.	2.0	60
31	Interactions between chromosomes, microfilaments and microtubules revealed by the study of small GTPases in a big cell, the vertebrate oocyte. Molecular and Cellular Endocrinology, 2008, 282, 12-17.	3.2	19
32	Meiotic Regulation of TPX2 Protein Levels Governs Cell Cycle Progression in Mouse Oocytes. PLoS ONE, 2008, 3, e3338.	2.5	93
33	A centriole- and RanGTP-independent spindle assembly pathway in meiosis I of vertebrate oocytes. Journal of Cell Biology, 2007, 176, 295-305.	5.2	219
34	Formin-2 is required for spindle migration and for the late steps of cytokinesis in mouse oocytes. Developmental Biology, 2007, 301, 254-265.	2.0	167