

Julien Dumont

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/149640/publications.pdf>

Version: 2024-02-01

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 | A centriole- and RanGTP-independent spindle assembly pathway in meiosis I of vertebrate oocytes. <i>Journal of Cell Biology</i> , 2007, 176, 295-305. | 5.2 | 219 |
| 2 | A kinetochore-independent mechanism drives anaphase chromosome separation during acentrosomal meiosis. <i>Nature Cell Biology</i> , 2010, 12, 894-901. | 10.3 | 189 |
| 3 | Formin-2 is required for spindle migration and for the late steps of cytokinesis in mouse oocytes. <i>Developmental Biology</i> , 2007, 301, 254-265. | 2.0 | 167 |
| 4 | Acentrosomal spindle assembly and chromosome segregation during oocyte meiosis. <i>Trends in Cell Biology</i> , 2012, 22, 241-249. | 7.9 | 157 |
| 5 | Meiotic Regulation of TPX2 Protein Levels Governs Cell Cycle Progression in Mouse Oocytes. <i>PLoS ONE</i> , 2008, 3, e3338. | 2.5 | 93 |
| 6 | 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 |
| 7 | Chromosome segregation occurs by microtubule pushing in oocytes. <i>Nature Communications</i> , 2017, 8, 1499. | 12.8 | 79 |
| 8 | A Nucleoporin Docks Protein Phosphatase 1 to Direct Meiotic Chromosome Segregation and Nuclear Assembly. <i>Developmental Cell</i> , 2016, 38, 463-477. | 7.0 | 77 |
| 9 | 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 |
| 10 | Channel Nucleoporins Recruit PLK-1 to Nuclear Pore Complexes to Direct Nuclear Envelope Breakdown in <i>C.Ælegans</i> . <i>Developmental Cell</i> , 2017, 43, 157-171.e7. | 7.0 | 75 |
| 11 | Polar body cytokinesis. <i>Cytoskeleton</i> , 2012, 69, 855-868. | 2.0 | 63 |
| 12 | Actin filaments: key players in the control of asymmetric divisions in mouse oocytes. <i>Biology of the Cell</i> , 2009, 101, 69-76. | 2.0 | 60 |
| 13 | Cortical PAR polarity proteins promote robust cytokinesis during asymmetric cell division. <i>Journal of Cell Biology</i> , 2016, 212, 39-49. | 5.2 | 54 |
| 14 | Analyzing the Effects of Delaying Aster Separation on Furrow Formation during Cytokinesis in the <i>Caenorhabditis elegans</i> Embryo. <i>Molecular Biology of the Cell</i> , 2010, 21, 50-62. | 2.1 | 47 |
| 15 | Kinetochore components are required for central spindle assembly. <i>Nature Cell Biology</i> , 2015, 17, 697-705. | 10.3 | 47 |
| 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 | 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 |
| 18 | Live imaging of <i>C. elegans</i> oocytes and early embryos. <i>Methods in Cell Biology</i> , 2018, 145, 217-236. | 1.1 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Cell-intrinsic and -extrinsic mechanisms promote cell-type-specific cytokinetic diversity. <i>ELife</i> , 2018, 7, . | 6.0 | 27 |
| 20 | Disentangling the molecular determinants for Cenpâ€F localization to nuclear pores and kinetochores. <i>EMBO Reports</i> , 2018, 19, . | 4.5 | 26 |
| 21 | Microtubule-severing activity of AAA-ATPase Katanin is essential for female meiotic spindle assembly. <i>Development (Cambridge)</i> , 2016, 143, 3604-3614. | 2.5 | 23 |
| 22 | FLIRT: fast local infrared thermogenetics for subcellular control of protein function. <i>Nature Methods</i> , 2018, 15, 921-923. | 19.0 | 22 |
| 23 | BUB-1 promotes amphitelic chromosome biorientation via multiple activities at the kinetochore. <i>ELife</i> , 2018, 7, . | 6.0 | 21 |
| 24 | Microtubule severing by the katanin complex is activated by PPFR-1â€™dependent MEI-1 dephosphorylation. <i>Journal of Cell Biology</i> , 2013, 202, 431-439. | 5.2 | 20 |
| 25 | Interactions between chromosomes, microfilaments and microtubules revealed by the study of small GTPases in a big cell, the vertebrate oocyte. <i>Molecular and Cellular Endocrinology</i> , 2008, 282, 12-17. | 3.2 | 19 |
| 26 | Identification of microtubule growth deceleration and its regulation by conserved and novel proteins. <i>Molecular Biology of the Cell</i> , 2016, 27, 1479-1487. | 2.1 | 15 |
| 27 | Functional midbody assembly in the absence of a central spindle. <i>Journal of Cell Biology</i> , 2022, 221, . | 5.2 | 7 |
| 28 | 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 |
| 29 | Spatial and Temporal Scaling of Microtubules and Mitotic Spindles. <i>Cells</i> , 2022, 11, 248. | 4.1 | 5 |
| 30 | Using FRET to Study RanGTP Gradients in Live Mouse Oocytes. <i>Methods in Molecular Biology</i> , 2013, 957, 107-120. | 0.9 | 4 |
| 31 | Bipolar disorder: Kinesin-12 to the rescue. <i>Cell Cycle</i> , 2012, 11, 212-212. | 2.6 | 3 |
| 32 | Versatile kinetochore components control central spindle assembly. <i>Cell Cycle</i> , 2015, 14, 2545-2546. | 2.6 | 3 |
| 33 | Aurora B/C in Meiosis: Correct Me If Iâ€™m Right. <i>Developmental Cell</i> , 2015, 33, 499-501. | 7.0 | 1 |
| 34 | 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 |