

Peter Lenart

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

841
citations

15
h-index

27
g-index

27
ext. papers

1,006
ext. citations

7.8
avg. IF

3.92
L-index

#	Paper	IF	Citations
22	Centriole foci persist in starfish oocytes despite Polo-like kinase 1 inactivation or loss of microtubule nucleation activity. <i>Molecular Biology of the Cell</i> , 2020 , 31, 873-880	3.5	1
21	Actin assembly ruptures the nuclear envelope by prying the lamina away from nuclear pores and nuclear membranes in starfish oocytes. <i>ELife</i> , 2020 , 9,	8.9	17
20	Nanoscopy reveals the layered organization of the sarcomeric H-zone and I-band complexes. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	17
19	Correlated light and electron microscopy of cell division in large marine oocytes, eggs, and embryos. <i>Methods in Cell Biology</i> , 2018 , 145, 293-313	1.8	2
18	F-Actin nucleated on chromosomes coordinates their capture by microtubules in oocyte meiosis. <i>Journal of Cell Biology</i> , 2018 , 217, 2661-2674	7.3	17
17	Cytoplasmic flows in starfish oocytes are fully determined by cortical contractions. <i>PLoS Computational Biology</i> , 2018 , 14, e1006588	5	19
16	A disassembly-driven mechanism explains F-actin-mediated chromosome transport in starfish oocytes. <i>ELife</i> , 2018 , 7,	8.9	15
15	A cdk1 gradient guides surface contraction waves in oocytes. <i>Nature Communications</i> , 2017 , 8, 849	17.4	37
14	Chromosome Segregation: Is the Spindle All About Microtubules?. <i>Current Biology</i> , 2017 , 27, R1168-R1170	3	5
13	Live Imaging of Centriole Dynamics by Fluorescently Tagged Proteins in Starfish Oocyte Meiosis. <i>Methods in Molecular Biology</i> , 2016 , 1457, 145-66	1.4	10
12	Old knowledge and new technologies allow rapid development of model organisms. <i>Molecular Biology of the Cell</i> , 2016 , 27, 882-7	3.5	11
11	Distinct mechanisms eliminate mother and daughter centrioles in meiosis of starfish oocytes. <i>Journal of Cell Biology</i> , 2016 , 212, 815-27	7.3	34
10	Nuclear roles for actin. <i>Chromosoma</i> , 2015 , 124, 481-9	2.8	18
9	An Arp2/3 nucleated F-actin shell fragments nuclear membranes at nuclear envelope breakdown in starfish oocytes. <i>Current Biology</i> , 2014 , 24, 1421-1428	6.3	38
8	Bayesian approach to MSD-based analysis of particle motion in live cells. <i>Biophysical Journal</i> , 2012 , 103, 616-626	2.9	90
7	Intracellular transport by an anchored homogeneously contracting F-actin meshwork. <i>Current Biology</i> , 2011 , 21, 606-11	6.3	55
6	Bulk cytoplasmic actin and its functions in meiosis and mitosis. <i>Current Biology</i> , 2011 , 21, R825-30	6.3	66

5	A contractile nuclear actin network drives chromosome congression in oocytes. <i>Nature</i> , 2005 , 436, 812-850.4	186
4	Light microscopy of echinoderm embryos. <i>Methods in Cell Biology</i> , 2004 , 74, 371-409	1.8 37
3	Nuclear envelope dynamics in oocytes: from germinal vesicle breakdown to mitosis. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 88-95	9 39
2	Nuclear envelope breakdown in starfish oocytes proceeds by partial NPC disassembly followed by a rapidly spreading fenestration of nuclear membranes. <i>Journal of Cell Biology</i> , 2003 , 160, 1055-68	7.3 126
1	Rupture of nuclear envelope in starfish oocytes proceeds by F-actin-driven segregation of pore-dense and pore-free membranes	1