

Peter Lenart

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4275998/publications.pdf>

Version: 2024-02-01

21
papers

1,123
citations

516215

16
h-index

676716

22
g-index

27
all docs

27
docs citations

27
times ranked

1305
citing authors

#	ARTICLE	IF	CITATIONS
1	A contractile nuclear actin network drives chromosome congression in oocytes. <i>Nature</i> , 2005, 436, 812-818.	13.7	220
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, 1055-1068.	2.3	141
3	Bayesian Approach to MSD-Based Analysis of Particle Motion in Live Cells. <i>Biophysical Journal</i> , 2012, 103, 616-626.	0.2	117
4	Bulk Cytoplasmic Actin and Its Functions in Meiosis and Mitosis. <i>Current Biology</i> , 2011, 21, R825-R830.	1.8	78
5	A cdk1 gradient guides surface contraction waves in oocytes. <i>Nature Communications</i> , 2017, 8, 849.	5.8	76
6	Intracellular Transport by an Anchored Homogeneously Contracting F-Actin Meshwork. <i>Current Biology</i> , 2011, 21, 606-611.	1.8	67
7	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.	1.8	56
8	Cytoplasmic flows in starfish oocytes are fully determined by cortical contractions. <i>PLoS Computational Biology</i> , 2018, 14, e1006588.	1.5	51
9	Distinct mechanisms eliminate mother and daughter centrioles in meiosis of starfish oocytes. <i>Journal of Cell Biology</i> , 2016, 212, 815-827.	2.3	48
10	Nuclear envelope dynamics in oocytes: from germinal vesicle breakdown to mitosis. <i>Current Opinion in Cell Biology</i> , 2003, 15, 88-95.	2.6	44
11	Light Microscopy of Echinoderm Embryos. <i>Methods in Cell Biology</i> , 2004, 74, 371-409.	0.5	41
12	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, .	2.8	36
13	F-Actin nucleated on chromosomes coordinates their capture by microtubules in oocyte meiosis. <i>Journal of Cell Biology</i> , 2018, 217, 2661-2674.	2.3	30
14	Nanoscopy reveals the layered organization of the sarcomeric H-zone and I-band complexes. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	28
15	A disassembly-driven mechanism explains F-actin-mediated chromosome transport in starfish oocytes. <i>ELife</i> , 2018, 7, .	2.8	26
16	Nuclear roles for actin. <i>Chromosoma</i> , 2015, 124, 481-489.	1.0	20
17	Live Imaging of Centriole Dynamics by Fluorescently Tagged Proteins in Starfish Oocyte Meiosis. <i>Methods in Molecular Biology</i> , 2016, 1457, 145-166.	0.4	13
18	Old knowledge and new technologies allow rapid development of model organisms. <i>Molecular Biology of the Cell</i> , 2016, 27, 882-887.	0.9	13

#	ARTICLE	IF	CITATIONS
19	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.	0.9	7
20	Chromosome Segregation: Is the Spindle All About Microtubules?. <i>Current Biology</i> , 2017, 27, R1168-R1170.	1.8	6
21	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.	0.5	2