

Jacques Pecreaux

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,105
citations

840776

11
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

1491
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Imaging of oskar mRNA Transport Reveals the Mechanism of Posterior Localization. <i>Cell</i> , 2008, 134, 843-853.	28.9	315
2	A New Method for the Reconstitution of Membrane Proteins into Giant Unilamellar Vesicles. <i>Biophysical Journal</i> , 2004, 87, 419-429.	0.5	227
3	Spindle Oscillations during Asymmetric Cell Division Require a Threshold Number of Active Cortical Force Generators. <i>Current Biology</i> , 2006, 16, 2111-2122.	3.9	177
4	Membrane Invaginations Reveal Cortical Sites that Pull on Mitotic Spindles in One-Cell <i>C. elegans</i> Embryos. <i>PLoS ONE</i> , 2010, 5, e12301.	2.5	96
5	Wnt-regulated dynamics of positional information in zebrafish somitogenesis. <i>Development (Cambridge)</i> , 2014, 141, 1381-1391.	2.5	59
6	Negative Tension Induced by Lipid Uptake. <i>Physical Review Letters</i> , 2006, 97, 098103.	7.8	49
7	Control of E-cadherin apical localisation and morphogenesis by a SOAP-1/AP-1/clathrin pathway in <i>C. elegans</i> epidermal cells. <i>Development (Cambridge)</i> , 2015, 142, 1684-94.	2.5	37
8	Evolutionary comparisons reveal a positional switch for spindle pole oscillations in <i>Caenorhabditis</i> embryos. <i>Journal of Cell Biology</i> , 2013, 201, 653-662.	5.2	29
9	The Mitotic Spindle in the One-Cell <i>C. elegans</i> Embryo Is Positioned with High Precision and Stability. <i>Biophysical Journal</i> , 2016, 111, 1773-1784.	0.5	27
10	Fission yeast Kinesin-8 controls chromosome congression independently of oscillations. <i>Journal of Cell Science</i> , 2015, 128, 3720-30.	2.0	26
11	The polarity-induced force imbalance in <i>Caenorhabditis elegans</i> embryos is caused by asymmetric binding rates of dynein to the cortex. <i>Molecular Biology of the Cell</i> , 2018, 29, 3093-3104.	2.1	20
12	Microtubule Feedback and LET-99-Dependent Control of Pulling Forces Ensure Robust Spindle Position. <i>Biophysical Journal</i> , 2018, 115, 2189-2205.	0.5	13
13	Automated screening of AURKA activity based on a genetically encoded FRET biosensor using fluorescence lifetime imaging microscopy. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024006.	2.3	10
14	The coordination of spindle positioning forces during the asymmetric division of the <i>Caenorhabditis elegans</i> zygote. <i>EMBO Reports</i> , 2021, 22, e50770.	4.5	7
15	Biophysical Active Contours for Cell Tracking I: Tension and Bending. , 2006, , .		6
16	Control of E-cadherin apical localisation and morphogenesis by a SOAP-1/AP-1/clathrin pathway in <i>C. elegans</i> epidermal cells. <i>Journal of Cell Science</i> , 2015, 128, e1007-e1007.	2.0	3
17	Neural network fast classifies biological images through features selecting to power automated microscopy. <i>Journal of Microscopy</i> , 2022, 285, 3-19.	1.8	2
18	Spindle Micro-Fluctuations of Length Reveal its Dynamics Over Cell Division. <i>Biophysical Journal</i> , 2016, 110, 622a.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Role of cortical rigidity in spindle positioning in <i>C. elegans</i> . <i>Biophysical Journal</i> , 2009, 96, 509a.	0.5	0
20	The Forces that Center the Mitotic Spindle. <i>Biophysical Journal</i> , 2012, 102, 223a.	0.5	0