Jacques Pecreaux

List of Publications by Year in descending order

20	1,105	840776 11	888059 17
papers	citations	h-index	g-index

23	23	23	1491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neural network fastâ€classifies biological images through features selecting to power automated microscopy. Journal of Microscopy, 2022, 285, 3-19.	1.8	2
2	The coordination of spindleâ€positioning forces during the asymmetric division of the Caenorhabditis elegans zygote. EMBO Reports, 2021, 22, e50770.	4.5	7
3	Automated screening of AURKA activity based on a genetically encoded FRET biosensor using fluorescence lifetime imaging microscopy. Methods and Applications in Fluorescence, 2020, 8, 024006.	2.3	10
4	Microtubule Feedback and LET-99-Dependent Control of Pulling Forces Ensure Robust Spindle Position. Biophysical Journal, 2018, 115, 2189-2205.	0.5	13
5	The polarity-induced force imbalance inCaenorhabditis elegansembryos is caused by asymmetric binding rates of dynein to the cortex. Molecular Biology of the Cell, 2018, 29, 3093-3104.	2.1	20
6	Spindle Micro-Fluctuations of Length Reveal its Dynamics Over Cell Division. Biophysical Journal, 2016, 110, 622a.	0.5	1
7	The Mitotic Spindle in the One-Cell C . elegans Embryo Is Positioned with High Precision and Stability. Biophysical Journal, 2016, 111, 1773-1784.	0.5	27
8	Fission yeast Kinesin-8 controls chromosome congression independently of oscillations. Journal of Cell Science, 2015, 128, 3720-30.	2.0	26
9	Control of E-cadherin apical localisation and morphogenesis by a SOAP-1/AP-1/clathrin pathway in C. elegans epidermal cells. Development (Cambridge), 2015, 142, 1684-94.	2.5	37
10	Control of E-cadherin apical localisation and morphogenesis by a SOAP-1/AP-1/clathrin pathway in C. elegans epidermal cells. Journal of Cell Science, 2015, 128, e1007-e1007.	2.0	3
11	Wnt-regulated dynamics of positional information in zebrafish somitogenesis. Development (Cambridge), 2014, 141, 1381-1391.	2.5	59
12	Evolutionary comparisons reveal a positional switch for spindle pole oscillations in Caenorhabditis embryos. Journal of Cell Biology, 2013, 201, 653-662.	5.2	29
13	The Forces that Center the Mitotic Spindle. Biophysical Journal, 2012, 102, 223a.	0.5	0
14	Membrane Invaginations Reveal Cortical Sites that Pull on Mitotic Spindles in One-Cell C. elegans Embryos. PLoS ONE, 2010, 5, e12301.	2.5	96
15	Role of cortical rigidity in spindle positioning in C. elegans. Biophysical Journal, 2009, 96, 509a.	0.5	0
16	In Vivo Imaging of oskar mRNA Transport Reveals the Mechanism of Posterior Localization. Cell, 2008, 134, 843-853.	28.9	315
17	Spindle Oscillations during Asymmetric Cell Division Require a Threshold Number of Active Cortical Force Generators. Current Biology, 2006, 16, 2111-2122.	3.9	177
18	Negative Tension Induced by Lipid Uptake. Physical Review Letters, 2006, 97, 098103.	7.8	49

#	Article	IF	Citations
19	Biophysical Active Contours for Cell Tracking I: Tension and Bending. , 2006, , .		6
20	A New Method for the Reconstitution of Membrane Proteins into Giant Unilamellar Vesicles. Biophysical Journal, 2004, 87, 419-429.	0.5	227