Khuloud Jaqaman

List of Publications by Year
in descending order

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34 papers	4,142 citations	331538 21 h-index	434063 31 g-index
44 all docs	44 docs citations	44 times ranked	6108 citing authors

#	Article	IF	Citations
1	Robust single-particle tracking in live-cell time-lapse sequences. Nature Methods, 2008, 5, 695-702.	9.0	1,658
2	Cargo and Dynamin Regulate Clathrin-Coated Pit Maturation. PLoS Biology, 2009, 7, e1000057.	2.6	357
3	plusTipTracker: Quantitative image analysis software for the measurement of microtubule dynamics. Journal of Structural Biology, 2011, 176, 168-184.	1.3	227
4	Cytoskeletal Control of CD36 Diffusion Promotes Its Receptor and Signaling Function. Cell, 2011, 146, 593-606.	13.5	217
5	Structural organization of nuclear lamins A, C, B1, and B2 revealed by superresolution microscopy. Molecular Biology of the Cell, 2015, 26, 4075-4086.	0.9	207
6	Linking data to models: data regression. Nature Reviews Molecular Cell Biology, 2006, 7, 813-819.	16.1	197
7	Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. Cell, 2018, 172, 305-317.e10.	13.5	170
8	Kinetochore alignment within the metaphase plate is regulated by centromere stiffness and microtubule depolymerases. Journal of Cell Biology, 2010, 188, 665-679.	2.3	126
9	Dynamic macrophage â€œprobingâ€•is required for the efficient capture of phagocytic targets. Journal of Cell Biology, 2010, 191, 1205-1218.	2.3	124
10	Single-molecule FRET imaging of GPCR dimers in living cells. Nature Methods, 2021, 18, 397-405.	9.0	104
11	Actin Cytoskeleton Reorganization by Syk Regulates FcÎ³ Receptor Responsiveness by Increasing Its Lateral Mobility and Clustering. Developmental Cell, 2014, 29, 534-546.	3.1	103
12	Regulation from within: the cytoskeleton in transmembrane signaling. Trends in Cell Biology, 2012, 22, 515-526.	3.6	93
13	A composition-dependent molecular clutch between T cell signaling condensates and actin. ELife, 2019, 8, .	2.8	86
14	Multistep Track Segmentation and Motion Classification for Transient Mobility Analysis. Biophysical Journal, 2018, 114, 1018-1025.	0.2	59
15	Yeast Kinetochore Microtubule Dynamics Analyzed by High-Resolution Three-Dimensional Microscopy. Biophysical Journal, 2005, 89, 2835-2854.	0.2	57
16	Computational analyses reveal spatial relationships between nuclear pore complexes and specific lamins. Journal of Cell Biology, 2021, 220, .	2.3	37
17	S.Âcerevisiae Chromosomes Biorient via Gradual Resolution of Syntely between S Phase and Anaphase. Cell, 2013, 154, 1127-1139.	13.5	34
18	Biomolecular condensates in membrane receptor signaling. Current Opinion in Cell Biology, 2021, 69, 48-54.	2.6	33

#	Article	IF	Citations
19	Piecewise-Stationary Motion Modeling and Iterative Smoothing to Track Heterogeneous Particle Motions in Dense Environments. IEEE Transactions on Image Processing, 2017, 26, 5395-5410.	6.0	31
20	New space warping method for the simulation of large-scale macromolecular conformational changes. Journal of Computational Chemistry, 2002, 23, 484-491.	1.5	29
21	Computational Image Analysis of Cellular Dynamics: A Case Study Based on Particle Tracking. Cold Spring Harbor Protocols, 2009, 2009, pdb.top65.	0.2	27
22	Ligand-induced growth and compaction of CD36 nanoclusters enriched in Fyn induces Fyn signaling. Journal of Cell Science, 2016, 129, 4175-4189.	1.2	27
23	Kinesinâ€dependent transport of keratin filaments: a unified mechanism for intermediate filament transport. FASEB Journal, 2019, 33, 388-399.	0.2	22
24	Heterogeneity in VEGF Receptor-2 Mobility and Organization on the Endothelial Cell Surface Leads to Diverse Models of Activation by VEGF. Cell Reports, 2020, 32, 108187.	2.9	21
25	Changes in single-molecule integrin dynamics linked to local cellular behavior. Molecular Biology of the Cell, 2016, 27, 1561-1569.	0.9	19
26	Stabilization of Endothelial Receptor Arrays by a Polarized Spectrin Cytoskeleton Facilitates Rolling and Adhesion of Leukocytes. Cell Reports, 2020, 31, 107798.	2.9	19
27	Classical density functional theory of orientational order at interfaces: Application to water. Journal of Chemical Physics, 2004, 120, 926-938.	1.2	18
28	Comparative Autoregressive Moving Average Analysis of Kinetochore Microtubule Dynamics in Yeast. Biophysical Journal, 2006, 91, 2312-2325.	0.2	16
29	Adaptive multiorientation resolution analysis of complex filamentous network images. Bioinformatics, 2020, 36, 5093-5103.	1.8	7
30	FISIK: Framework for the Inference of In Situ Interaction Kinetics from Single-Molecule ImagingÂData. Biophysical Journal, 2019, 117, 1012-1028.	0.2	5
31	From particle tracking to molecular interactions. , 2008, , .		2
32	Analysis of conditional colocalization relationships and hierarchies in three-color microscopy images. Journal of Cell Biology, 2022, 221, .	2.3	1
33	Dynamic macrophage â€œprobingâ€•is required for the efficient capture of phagocytic targets. Journal of Experimental Medicine, 2010, 207, i37-i37.	4.2	0
34	Transmembrane Pickets Connect Cyto- and Exo-skeletons Forming Barriers to Receptor Engagement. SSRN Electronic Journal, 0, , .	0.4	0