

# Khuloud Jaqaman

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Analysis of conditional colocalization relationships and hierarchies in three-color microscopy images. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	1
2	Computational analyses reveal spatial relationships between nuclear pore complexes and specific lamins. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	37
3	Single-molecule FRET imaging of GPCR dimers in living cells. <i>Nature Methods</i> , 2021, 18, 397-405.	9.0	104
4	Biomolecular condensates in membrane receptor signaling. <i>Current Opinion in Cell Biology</i> , 2021, 69, 48-54.	2.6	33
5	Adaptive multiorientation resolution analysis of complex filamentous network images. <i>Bioinformatics</i> , 2020, 36, 5093-5103.	1.8	7
6	Heterogeneity in VEGF Receptor-2 Mobility and Organization on the Endothelial Cell Surface Leads to Diverse Models of Activation by VEGF. <i>Cell Reports</i> , 2020, 32, 108187.	2.9	21
7	Stabilization of Endothelial Receptor Arrays by a Polarized Spectrin Cytoskeleton Facilitates Rolling and Adhesion of Leukocytes. <i>Cell Reports</i> , 2020, 31, 107798.	2.9	19
8	Kinesin-dependent transport of keratin filaments: a unified mechanism for intermediate filament transport. <i>FASEB Journal</i> , 2019, 33, 388-399.	0.2	22
9	FISIK: Framework for the Inference of In Situ Interaction Kinetics from Single-Molecule Imaging Data. <i>Biophysical Journal</i> , 2019, 117, 1012-1028.	0.2	5
10	A composition-dependent molecular clutch between T cell signaling condensates and actin. <i>ELife</i> , 2019, 8, .	2.8	86
11	Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. <i>Cell</i> , 2018, 172, 305-317.e10.	13.5	170
12	Multistep Track Segmentation and Motion Classification for Transient Mobility Analysis. <i>Biophysical Journal</i> , 2018, 114, 1018-1025.	0.2	59
13	Piecewise-Stationary Motion Modeling and Iterative Smoothing to Track Heterogeneous Particle Motions in Dense Environments. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 5395-5410.	6.0	31
14	Changes in single-molecule integrin dynamics linked to local cellular behavior. <i>Molecular Biology of the Cell</i> , 2016, 27, 1561-1569.	0.9	19
15	Ligand-induced growth and compaction of CD36 nanoclusters enriched in Fyn induces Fyn signaling. <i>Journal of Cell Science</i> , 2016, 129, 4175-4189.	1.2	27
16	Structural organization of nuclear lamins A, C, B1, and B2 revealed by superresolution microscopy. <i>Molecular Biology of the Cell</i> , 2015, 26, 4075-4086.	0.9	207
17	Actin Cytoskeleton Reorganization by Syk Regulates Fc $\gamma$ 3 Receptor Responsiveness by Increasing Its Lateral Mobility and Clustering. <i>Developmental Cell</i> , 2014, 29, 534-546.	3.1	103
18	<i>S. Cerevisiae</i> Chromosomes Biorient via Gradual Resolution of Syntely between S Phase and Anaphase. <i>Cell</i> , 2013, 154, 1127-1139.	13.5	34

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19	Regulation from within: the cytoskeleton in transmembrane signaling. Trends in Cell Biology, 2012, 22, 515-526.	3.6	93
20	Cytoskeletal Control of CD36 Diffusion Promotes Its Receptor and Signaling Function. Cell, 2011, 146, 593-606.	13.5	217
21	plusTipTracker: Quantitative image analysis software for the measurement of microtubule dynamics. Journal of Structural Biology, 2011, 176, 168-184.	1.3	227
22	Kinetochores alignment within the metaphase plate is regulated by centromere stiffness and microtubule depolymerases. Journal of Cell Biology, 2010, 188, 665-679.	2.3	126
23	Dynamic macrophage "probing" is required for the efficient capture of phagocytic targets. Journal of Cell Biology, 2010, 191, 1205-1218.	2.3	124
24	Dynamic macrophage "probing" is required for the efficient capture of phagocytic targets. Journal of Experimental Medicine, 2010, 207, i37-i37.	4.2	0
25	Cargo and Dynamin Regulate Clathrin-Coated Pit Maturation. PLoS Biology, 2009, 7, e1000057.	2.6	357
26	Computational Image Analysis of Cellular Dynamics: A Case Study Based on Particle Tracking. Cold Spring Harbor Protocols, 2009, 2009, pdb.top65.	0.2	27
27	Robust single-particle tracking in live-cell time-lapse sequences. Nature Methods, 2008, 5, 695-702.	9.0	1,658
28	From particle tracking to molecular interactions. , 2008, , .		2
29	Comparative Autoregressive Moving Average Analysis of Kinetochores Microtubule Dynamics in Yeast. Biophysical Journal, 2006, 91, 2312-2325.	0.2	16
30	Linking data to models: data regression. Nature Reviews Molecular Cell Biology, 2006, 7, 813-819.	16.1	197
31	Yeast Kinetochores Microtubule Dynamics Analyzed by High-Resolution Three-Dimensional Microscopy. Biophysical Journal, 2005, 89, 2835-2854.	0.2	57
32	Classical density functional theory of orientational order at interfaces: Application to water. Journal of Chemical Physics, 2004, 120, 926-938.	1.2	18
33	New space warping method for the simulation of large-scale macromolecular conformational changes. Journal of Computational Chemistry, 2002, 23, 484-491.	1.5	29
34	Transmembrane Pickets Connect Cyto- and Exo-skeletons Forming Barriers to Receptor Engagement. SSRN Electronic Journal, 0, , .	0.4	0