

Cecile Leduc

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,444
citations

304743

22
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

3270
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrins $\alpha 1$ and $\alpha 3$ exhibit distinct dynamic nanoscale organizations inside focal adhesions. <i>Nature Cell Biology</i> , 2012, 14, 1057-1067.	10.3	339
2	Kinesin-8 Motors Act Cooperatively to Mediate Length-Dependent Microtubule Depolymerization. <i>Cell</i> , 2009, 138, 1174-1183.	28.9	263
3	Cooperative extraction of membrane nanotubes by molecular motors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17096-17101.	7.1	258
4	Molecular crowding creates traffic jams of kinesin motors on microtubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6100-6105.	7.1	186
5	Detection of fractional steps in cargo movement by the collective operation of kinesin-1 motors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10847-10852.	7.1	132
6	Nanoscale segregation of actin nucleation and elongation factors determines dendritic spine protrusion. <i>EMBO Journal</i> , 2014, 33, 2745-2764.	7.8	128
7	Intermediate filaments control collective migration by restricting traction forces and sustaining cell-cell contacts. <i>Journal of Cell Biology</i> , 2018, 217, 3031-3044.	5.2	126
8	Intermediate filaments in cell migration and invasion: the unusual suspects. <i>Current Opinion in Cell Biology</i> , 2015, 32, 102-112.	5.4	118
9	A Highly Specific Gold Nanoprobe for Live-Cell Single-Molecule Imaging. <i>Nano Letters</i> , 2013, 13, 1489-1494.	9.1	116
10	Regulation of microtubule-associated motors drives intermediate filament network polarization. <i>Journal of Cell Biology</i> , 2017, 216, 1689-1703.	5.2	85
11	Direct Investigation of Intracellular Presence of Gold Nanoparticles <i>via</i> Photothermal Heterodyne Imaging. <i>ACS Nano</i> , 2011, 5, 2587-2592.	14.6	84
12	Advances in live-cell single-particle tracking and dynamic super-resolution imaging. <i>Current Opinion in Chemical Biology</i> , 2014, 20, 78-85.	6.1	81
13	Coordination of Kinesin Motors Pulling on Fluid Membranes. <i>Biophysical Journal</i> , 2008, 94, 5009-5017.	0.5	74
14	Short Gold Nanorod Growth Revisited: The Critical Role of the Bromide Counterion. <i>ChemPhysChem</i> , 2012, 13, 193-202.	2.1	72
15	Mechanism of membrane nanotube formation by molecular motors. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1418-1426.	2.6	51
16	Studying Kinesin Motors by Optical 3D-Nanometry in Gliding Motility Assays. <i>Methods in Cell Biology</i> , 2010, 95, 247-271.	1.1	47
17	Microtubule acetylation but not detyrosination promotes focal adhesion dynamics and astrocyte migration. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	45
18	Cell stretching is amplified by active actin remodelling to deform and recruit proteins in mechanosensitive structures. <i>Nature Cell Biology</i> , 2020, 22, 1011-1023.	10.3	35

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19	Collective Behavior of Antagonistically Acting Kinesin-1 Motors. <i>Physical Review Letters</i> , 2010, 105, 128103.	7.8	34
20	Two-tiered coupling between flowing actin and immobilized <i>N</i> -cadherin/catenin complexes in neuronal growth cones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6997-7002.	7.1	34
21	Long-Range Transport of Giant Vesicles along Microtubule Networks. <i>ChemPhysChem</i> , 2012, 13, 1001-1006.	2.1	28
22	Fluorescence Imaging of Single Kinesin Motors on Immobilized Microtubules. <i>Methods in Molecular Biology</i> , 2011, 783, 121-137.	0.9	27
23	Molecular organization and mechanics of single vimentin filaments revealed by super-resolution imaging. <i>Science Advances</i> , 2022, 8, eabm2696.	10.3	21
24	Stochastic modeling reveals how motor protein and filament properties affect intermediate filament transport. <i>Journal of Theoretical Biology</i> , 2019, 464, 132-148.	1.7	17
25	Studying In Vitro Membrane Curvature Recognition by Proteins and its Role in Vesicular Trafficking. <i>Methods in Cell Biology</i> , 2012, 108, 47-71.	1.1	9
26	Deciphering the transport of elastic filaments by antagonistic motor proteins. <i>Physical Review E</i> , 2019, 99, 042414.	2.1	8
27	Intermediate filaments join the action. <i>Cell Cycle</i> , 2017, 16, 1389-1390.	2.6	7
28	Single-molecule imaging in live cell using gold nanoparticles. <i>Methods in Cell Biology</i> , 2015, 125, 13-27.	1.1	5
29	Imaging Intermediate Filaments and Microtubules with 2-dimensional Direct Stochastic Optical Reconstruction Microscopy. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	5
30	Transport Of Micrometer-Sized Vesicles By Kinesin In Vitro. <i>Biophysical Journal</i> , 2009, 96, 131a.	0.5	0
31	A Slipping Clutch in Neuronal Growth Cones Revealed by Transient Single Molecule Interactions between Flowing Actin and N-Cadherin Adhesions. <i>Biophysical Journal</i> , 2014, 106, 357a.	0.5	0
32	A Highly Specific Gold Nanoprobe for Live-Cell Single-Molecule Imaging in Confined Environments: Intracellular Tracking and Long-Term Single Integrin Tracking in Adhesion Sites. <i>Biophysical Journal</i> , 2014, 106, 193a-194a.	0.5	0