B Christoffer Lagerholm

List of Publications by Year
in descending order

53	4,212	186265 28	182427 51
papers	citations	h-index	g-index

58	58	58	6858
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coordination of two kinesin superfamily motor proteins, KIF3A and KIF13A, is essential for pericellular matrix degradation by membrane-type 1 matrix metalloproteinase (MT1-MMP) in cancer cells. Matrix Biology, 2022, 107, 1-23.	3.6	7
2	Dendritic cell entry to lymphatic capillaries is orchestrated by CD44 and the hyaluronan glycocalyx. Life Science Alliance, 2021, 4, e202000908.	2.8	15
3	Using kICS to Reveal Changed Membrane Diffusion of AQP-9 Treated with Drugs. Membranes, 2021, 11, 568.	3.0	2
4	BET inhibition disrupts transcription but retains enhancer-promoter contact. Nature Communications, 2021, 12, 223.	12.8	84
5	FOXN1 forms higher-order nuclear condensates displaced by mutations causing immunodeficiency. Science Advances, 2021, 7, eabj9247.	10.3	10
6	Disruption of hypoxia-inducible fatty acid binding protein 7 induces beige fat-like differentiation and thermogenesis in breast cancer cells. Cancer & Metabolism, 2020, 8, 13.	5.0	11
7	Defining the Diffusion in Model Membranes Using Line Fluorescence Recovery after Photobleaching. Membranes, 2020, 10, 434.	3.0	7
8	High photon count rates improve the quality of super-resolution fluorescence fluctuation spectroscopy. Journal Physics D: Applied Physics, 2020, 53, 164003.	2.8	15
9	An essential role for the Zn2+ transporter ZIP7 in B cell development. Nature Immunology, 2019, 20, 350-361.	14.5	92
10	A cell topography-based mechanism for ligand discrimination by the T cell receptor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14002-14010.	7.1	60
11	The Lateral Organization and Mobility of Plasma Membrane Components. Cell, 2019, 177, 806-819.	28.9	183
12	Measuring nanoscale diffusion dynamics in cellular membranes with super-resolution STEDâ€“FCS. Nature Protocols, 2019, 14, 1054-1083.	12.0	76
13	Colonic epithelial cell diversity in health and inflammatory bowel disease. Nature, 2019, 567, 49-55.	27.8	486
14	Invasive Salmonella exploits divergent immune evasion strategies in infected and bystander dendritic cell subsets. Nature Communications, 2018, 9, 4883.	12.8	19
15	A tissue-specific self-interacting chromatin domain forms independently of enhancer-promoter interactions. Nature Communications, 2018, 9, 3849.	12.8	62
16	Complementary studies of lipid membrane dynamics using iSCAT and super-resolved fluorescence correlation spectroscopy. Journal Physics D: Applied Physics, 2018, 51, 235401.	2.8	23
17	FRET-enhanced photostability allows improved single-molecule tracking of proteins and protein complexes in live mammalian cells. Nature Communications, 2018, 9, 2520.	12.8	31
18	Statistical Analysis of Scanning Fluorescence Correlation Spectroscopy Data Differentiates Free from Hindered Diffusion. ACS Nano, 2018, 12, 8540-8546.	14.6	27

#	Article	IF	Citations
19	Interferometric scattering (iSCAT) microscopy: studies of biological membrane dynamics. , 2018, , .		0
20	Convergence of lateral dynamic measurements in the plasma membrane of live cells from single particle tracking and STED-FCS. Journal Physics D: Applied Physics, 2017, 50, 063001.	2.8	52
21	Cytoskeletal actin dynamics shape a ramifying actin network underpinning immunological synapse formation. Science Advances, 2017, 3, e1603032.	10.3	143
22	Exploring the Potential of Airyscan Microscopy for Live Cell Imaging. Photonics, 2017, 4, 41.	2.0	74
23	Imaging cellular structures in super-resolution with SIM, STED and Localisation Microscopy: A practical comparison. Scientific Reports, 2016, 6, 27290.	3.3	156
24	CalQuo: automated, simultaneous single-cell and population-level quantification of global intracellular Ca2+ responses. Scientific Reports, 2015, 5, 16487.	3.3	10
25	Cortical actin networks induce spatio-temporal confinement of phospholipids in the plasma membrane â€“ a minimally invasive investigation by STED-FCS. Scientific Reports, 2015, 5, 11454.	3.3	106
26	A straightforward approach for gated STED-FCS to investigate lipid membrane dynamics. Methods, 2015, 88, 67-75.	3.8	50
27	Pathways to optical STED microscopy. NanoBioImaging, 2014, 1, .	1.0	18
28	Simultaneous Multi-Species Tracking in Live Cells with Quantum Dot Conjugates. PLoS ONE, 2014, 9, e97671.	2.5	26
29	Anti-Human CD73 Monoclonal Antibody Inhibits Metastasis Formation in Human Breast Cancer by Inducing Clustering and Internalization of CD73 Expressed on the Surface of Cancer Cells. Journal of Immunology, 2013, 191, 4165-4173.	0.8	114
30	Water fluxes through aquaporin-9 prime epithelial cells for rapid wound healing. Biochemical and Biophysical Research Communications, 2013, 430, 993-998.	2.1	16
31	Visualization of Plasma Membrane Compartmentalization by High-Speed Quantum Dot Tracking. Nano Letters, 2013, 13, 2332-2337.	9.1	65
32	Single Molecule Applications of Quantum Dots. Journal of Modern Physics, 2013, 04, 27-42.	0.6	9
33	Bridging the Gap between Single Molecule and Ensemble Methods for Measuring Lateral Dynamics in the Plasma Membrane. PLoS ONE, 2013, 8, e78096.	2.5	11
34	Multi-Color Single Particle Tracking with Quantum Dots. PLoS ONE, 2012, 7, e48521.	2.5	37
35	A Single Molecule Investigation of the Photostability of Quantum Dots. PLoS ONE, 2012, 7, e44355.	2.5	25
36	The Probe Rules in Single Particle Tracking. Current Protein and Peptide Science, 2011, 12, 699-713.	1.4	61

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37	Imaging Vasculature and Lymphatic Flow in Mice Using Quantum Dots. Methods in Molecular Biology, 2009, 574, 63-74.	0.9	8
38	Long-Term Retention of Fluorescent Quantum Dots In Vivo. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 127-137.	0.3	5
39	Peptide-Mediated Intracellular Delivery of Quantum Dots. , 2007, 374, 105-112.		15
40	Detection and Correction of Blinking Bias in Image Correlation Transport Measurements of Quantum Dot Tagged Macromolecules. Biophysical Journal, 2007, 93, 1338-1346.	0.5	32
41	Analysis Method for Measuring Submicroscopic Distances with Blinking Quantum Dots. Biophysical Journal, 2006, 91, 3050-3060.	0.5	53
42	Methods to measure the lateral diffusion of membrane lipids and proteins. Methods, 2006, 39, 147-153.	3.8	135
43	Bulk and micropatterned conjugation of extracellular matrix proteins to characterized polyacrylamide substrates for cell mechanotransduction assays. BioTechniques, 2005, 39, 847-851.	1.8	127
44	DETECTING MICRODOMAINS IN INTACT CELL MEMBRANES. Annual Review of Physical Chemistry, 2005, 56, 309-336.	10.8	209
45	Noninvasive Imaging of Quantum Dots in Mice. Bioconjugate Chemistry, 2004, 15, 79-86.	3.6	1,045
46	Multicolor Coding of Cells with Cationic Peptide Coated Quantum Dots. Nano Letters, 2004, 4, 2019-2022.	9.1	133
47	Lateral Diffusion from Ligand Dissociation and Rebinding at Surfacesâ€. Langmuir, 2003, 19, 1782-1787.	3.5	14
48	Internet-Based Image Analysis Quantifies Contractile Behavior of Individual Fibroblasts inside Model Tissue. Biophysical Journal, 2003, 84, 2715-2727.	0.5	48
49	[9] Cytomechanics applications of optical sectioning microscopy. Methods in Enzymology, 2003, 361, 175-197.	1.0	4
50	Rebinding of IgE Fabs at Haptenated Planar Membranes:â€‰ Measurement by Total Internal Reflection with Fluorescence Photobleaching Recovery. Biochemistry, 2000, 39, 2042-2051.	2.5	39
51	Temporal Dependence of Ligand Dissociation and Rebinding at Planar Surfaces. Journal of Physical Chemistry B, 2000, 104, 863-868.	2.6	18
52	Theory for Ligand Rebinding at Cell Membrane Surfaces. Biophysical Journal, 1998, 74, 1215-1228.	0.5	87
53	Total internal reflection fluorescence: applications in cellular biophysics. Current Opinion in Biotechnology, 1997, 8, 58-64.	6.6	53