

Dominic Waithe

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,037
citations

279487

23
h-index

288905

40
g-index

56
all docs

56
docs citations

56
times ranked

3334
citing authors

#	ARTICLE	IF	CITATIONS
1	Proof-of-concept clinical trial of etokimab shows a key role for IL-33 in atopic dermatitis pathogenesis. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	172
2	Cytoskeletal actin dynamics shape a ramifying actin network underpinning immunological synapse formation. <i>Science Advances</i> , 2017, 3, e1603032.	4.7	143
3	Diffusion of lipids and GPI-anchored proteins in actin-free plasma membrane vesicles measured by STED-FCS. <i>Molecular Biology of the Cell</i> , 2017, 28, 1507-1518.	0.9	110
4	Î²-Subunits Promote the Expression of CaV2.2 Channels by Reducing Their Proteasomal Degradation. <i>Journal of Biological Chemistry</i> , 2011, 286, 9598-9611.	1.6	104
5	Spectral Imaging to Measure Heterogeneity in Membrane Lipid Packing. <i>ChemPhysChem</i> , 2015, 16, 1387-1394.	1.0	98
6	Predicting the three-dimensional folding of cis-regulatory regions in mammalian genomes using bioinformatic data and polymer models. <i>Genome Biology</i> , 2016, 17, 59.	3.8	97
7	Super-Resolved Traction Force Microscopy (STFM). <i>Nano Letters</i> , 2016, 16, 2633-2638.	4.5	86
8	Active and inactive Î²1 integrins segregate into distinct nanoclusters in focal adhesions. <i>Journal of Cell Biology</i> , 2018, 217, 1929-1940.	2.3	83
9	Envelope glycoprotein mobility on HIV-1 particles depends on the virus maturation state. <i>Nature Communications</i> , 2017, 8, 545.	5.8	81
10	A comparative study on fluorescent cholesterol analogs as versatile cellular reporters. <i>Journal of Lipid Research</i> , 2016, 57, 299-309.	2.0	78
11	Measuring nanoscale diffusion dynamics in cellular membranes with super-resolution STED-FCS. <i>Nature Protocols</i> , 2019, 14, 1054-1083.	5.5	76
12	STED-FLCS: An Advanced Tool to Reveal Spatiotemporal Heterogeneity of Molecular Membrane Dynamics. <i>Nano Letters</i> , 2015, 15, 5912-5918.	4.5	71
13	Super-resolution Microscopy Reveals Compartmentalization of Peroxisomal Membrane Proteins. <i>Journal of Biological Chemistry</i> , 2016, 291, 16948-16962.	1.6	66
14	Polarity-Sensitive Probes for Superresolution Stimulated Emission Depletion Microscopy. <i>Biophysical Journal</i> , 2017, 113, 1321-1330.	0.2	63
15	A tissue-specific self-interacting chromatin domain forms independently of enhancer-promoter interactions. <i>Nature Communications</i> , 2018, 9, 3849.	5.8	62
16	FoCuS-point: software for STED fluorescence correlation and time-gated single photon counting. <i>Bioinformatics</i> , 2016, 32, 958-960.	1.8	57
17	Platelet Activating Factor Contributes to Vascular Leak in Acute Dengue Infection. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003459.	1.3	55
18	A straightforward approach for gated STED-FCS to investigate lipid membrane dynamics. <i>Methods</i> , 2015, 88, 67-75.	1.9	50

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19	Ligand-dependent downregulation of MR1 cell surface expression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10465-10475.	3.3	43
20	The Stargazin-Related Protein Î³7 Interacts with the mRNA-Binding Protein Heterogeneous Nuclear Ribonucleoprotein A2 and Regulates the Stability of Specific mRNAs, Including Ca ^v 2.2. Journal of Neuroscience, 2008, 28, 10604-10617.	1.7	35
21	Optimized processing and analysis of conventional confocal microscopy generated scanning FCS data. Methods, 2018, 140-141, 62-73.	1.9	33
22	Molecular recognition of the native HIV-1 MPER revealed by STED microscopy of single virions. Nature Communications, 2019, 10, 78.	5.8	31
23	SCL/TAL1 cooperates with Polycomb RYBP-PRC1 to suppress alternative lineages in blood-fated cells. Nature Communications, 2018, 9, 5375.	5.8	29
24	Oxidation of Protein Kinase A Regulatory Subunit PKARÎ± Protects Against Myocardial Ischemia-Reperfusion Injury by Inhibiting Lysosomal-Triggered Calcium Release. Circulation, 2021, 143, 449-465.	1.6	29
25	Quantifly: Robust Trainable Software for Automated Drosophila Egg Counting. PLoS ONE, 2015, 10, e0127659.	1.1	28
26	Nanoscale Spatiotemporal Diffusion Modes Measured by Simultaneous Confocal and Stimulated Emission Depletion Nanoscopy Imaging. Nano Letters, 2018, 18, 4233-4240.	4.5	28
27	Statistical Analysis of Scanning Fluorescence Correlation Spectroscopy Data Differentiates Free from Hindered Diffusion. ACS Nano, 2018, 12, 8540-8546.	7.3	27
28	Challenges of Using Expansion Microscopy for Super-Resolved Imaging of Cellular Organelles. ChemBioChem, 2021, 22, 686-693.	1.3	26
29	Object detection networks and augmented reality for cellular detection in fluorescence microscopy. Journal of Cell Biology, 2020, 219, .	2.3	24
30	Striking parallels between carotid body glomus cell and adrenal chromaffin cell development. Developmental Biology, 2018, 444, S308-S324.	0.9	22
31	Bridging the gap between in silico and cell-based analysis of the nuclear factor-Î²B signaling pathway by in vitro studies of IKK2. FEBS Journal, 2007, 274, 1678-1690.	2.2	20
32	Congenital myasthenic syndrome due to mutations in <i>MUSK</i> suggests that the level of MuSK phosphorylation is crucial for governing synaptic structure. Human Mutation, 2020, 41, 619-631.	1.1	18
33	CytoCensus, mapping cell identity and division in tissues and organs using machine learning. ELife, 2020, 9, .	2.8	16
34	The Processed Amino-Terminal Fragment of Human TLR7 Acts as a Chaperone To Direct Human TLR7 into Endosomes. Journal of Immunology, 2015, 194, 5417-5425.	0.4	15
35	Hypoxia Regulates Endogenous Double-Stranded RNA Production via Reduced Mitochondrial DNA Transcription. Frontiers in Oncology, 2021, 11, 779739.	1.3	13
36	Lipid Composition but not Curvature Is the Determinant Factor for the Low Molecular Mobility Observed on the Membrane of Virus-Like Vesicles. Viruses, 2018, 10, 415.	1.5	12

#	ARTICLE	IF	CITATIONS
37	Peroxisomal Import Reduces the Proapoptotic Activity of Deubiquitinating Enzyme USP2. PLoS ONE, 2015, 10, e0140685.	1.1	9
38	Oncogenic Gata1 causes stage-specific megakaryocyte differentiation delay. Haematologica, 2021, 106, 1106-1119.	1.7	8
39	Stargazin-related protein \hat{I}^{37} is associated with signalling endosomes in superior cervical ganglion neurons and modulates neurite outgrowth. Journal of Cell Science, 2011, 124, 2049-2057.	1.2	7
40	Open-source browser-based software simplifies fluorescence correlation spectroscopy data analysis. Nature Photonics, 2021, 15, 790-791.	15.6	3
41	Diffusion and interaction dynamics of the cytosolic peroxisomal import receptor PEX5. Biophysical Journal, 2022, 121, 302a.	0.2	1
42	T-Cells in Suspension Do Not Show Pre-Clustered LCK. Biophysical Journal, 2016, 110, 570a.	0.2	0
43	Measuring Hindered Diffusion Dynamics in Live Cell Plasma Membranes with Confocal and Super-Resolution Imaging. Biophysical Journal, 2019, 116, 327a-328a.	0.2	0
44	Summary of two questionnaires designed to understand the research climate for Bioimage Analysts in the UK between 2016-2019. F1000Research, 2021, 10, 276.	0.8	0
45	3-D Density Kernel Estimation for Counting in Microscopy Image Volumes Using 3-D Image Filters and Random Decision Trees. Lecture Notes in Computer Science, 2016, , 244-255.	1.0	0
46	Abstract 14219: Oxidation of PKA-R \hat{I}^{\pm} Protects Against Ischemia-reperfusion Injury by Inhibiting Lysosomal-triggered Calcium Release. Circulation, 2020, 142, .	1.6	0