Pedro Matos Pereira

List of Publications by Year
in descending order

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30 papers	2,981 citations	279798 23 h-index	454955 30 g-index
46 all docs	46 docs citations	46 times ranked	4004 citing authors

#	Article	IF	Citations
1	Fast live-cell conventional fluorophore nanoscopy with ImageJ through super-resolution radial fluctuations. Nature Communications, 2016, 7, 12471.	12.8	468
2	Quantitative mapping and minimization of super-resolution optical imaging artifacts. Nature Methods, 2018, 15, 263-266.	19.0	266
3	Nuclear pores as versatile reference standards for quantitative superresolution microscopy. Nature Methods, 2019, 16, 1045-1053.	19.0	236
4	Teichoic acids are temporal and spatial regulators of peptidoglycan cross-linking in Staphylococcus aureus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18991-18996.	7.1	225
5	Cell shape dynamics during the staphylococcal cell cycle. Nature Communications, 2015, 6, 8055.	12.8	208
6	Restoring Methicillin-Resistant Staphylococcus aureus Susceptibility to Î²-Lactam Antibiotics. Science Translational Medicine, 2012, 4, 126ra35.	12.4	205
7	Inhibition of WTA Synthesis Blocks the Cooperative Action of PBPs and Sensitizes MRSA to Î²-Lactams. ACS Chemical Biology, 2013, 8, 226-233.	3.4	184
8	SRRF: Universal live-cell super-resolution microscopy. International Journal of Biochemistry and Cell Biology, 2018, 101, 74-79.	2.8	130
9	NanoJ: a high-performance open-source super-resolution microscopy toolbox. Journal Physics D: Applied Physics, 2019, 52, 163001.	2.8	120
10	K63-Linked Ubiquitination Targets Toxoplasma gondii for Endo-lysosomal Destruction in IFNÎ³-Stimulated Human Cells. PLoS Pathogens, 2016, 12, e1006027.	4.7	92
11	Automating multimodal microscopy with NanoJ-Fluidics. Nature Communications, 2019, 10, 1223.	12.8	84
12	Reduction of the Peptidoglycan Crosslinking Causes a Decrease in Stiffness of the Staphylococcus aureus Cell Envelope. Biophysical Journal, 2014, 107, 1082-1089.	0.5	83
13	Staphylococcus aureus Survives with a Minimal Peptidoglycan Synthesis Machine but Sacrifices Virulence and Antibiotic Resistance. PLoS Pathogens, 2015, 11, e1004891.	4.7	82
14	Murgocil is a Highly Bioactive Staphylococcal-Specific Inhibitor of the Peptidoglycan Glycosyltransferase Enzyme MurG. ACS Chemical Biology, 2013, 8, 2442-2451.	3.4	75
15	Fluorescence Ratio Imaging Microscopy Shows Decreased Access of Vancomycin to Cell Wall Synthetic Sites in Vancomycin-ResistantStaphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2007, 51, 3627-3633.	3.2	74
16	Septins Recognize and Entrap Dividing Bacterial Cells for Delivery to Lysosomes. Cell Host and Microbe, 2018, 24, 866-874.e4.	11.0	62
17	Fix Your Membrane Receptor Imaging: Actin Cytoskeleton and CD4 Membrane Organization Disruption by Chemical Fixation. Frontiers in Immunology, 2019, 10, 675.	4.8	57
18	Between life and death: strategies to reduce phototoxicity in super-resolution microscopy. Journal Physics D: Applied Physics, 2020, 53, 163001.	2.8	49

#	Article	IF	Citations
19	VirusMapper: open-source nanoscale mapping of viral architecture through super-resolution microscopy. Scientific Reports, 2016, 6, 29132.	3.3	43
20	Fluorescent Reporters for Studies of Cellular Localization of Proteins in Staphylococcus aureus. Applied and Environmental Microbiology, 2010, 76, 4346-4353.	3.1	40
21	TMEM16F activation by Ca2+ triggers plasma membrane expansion and directs PD-1 trafficking. Scientific Reports, 2019, 9, 619.	3.3	35
22	Bacterial autolysins trim cell surface peptidoglycan to prevent detection by the Drosophila innate immune system. ELife, 2014, 3, e02277.	6.0	32
23	High-content 3D multicolor super-resolution localization microscopy. Methods in Cell Biology, 2015, 125, 95-117.	1.1	31
24	DeepBacs for multi-task bacterial image analysis using open-source deep learning approaches. Communications Biology, 2022, 5, .	4.4	30
25	Single-Molecule Super-Resolution Imaging of T-Cell Plasma Membrane CD4 Redistribution upon HIV-1 Binding. Viruses, 2021, 13, 142.	3.3	10
26	Superâ€beacons: Openâ€source probes with spontaneous tuneable blinking compatible with liveâ€cell superâ€resolution microscopy. Traffic, 2020, 21, 375-385.	2.7	9
27	Effect of SDS micelles on the reactivity of 4â€²-methoxyflavylium ion: A stopped-flow and photochemical study. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 383-390.	3.9	7
28	Selective Coordination of Cu2+ and Subsequent Anion Detection Based on a Naphthalimide-Triazine-(DPA)2 Chemosensor. Biosensors, 2020, 10, 129.	4.7	7
29	An Introduction to Live-Cell Super-Resolution Imaging. , 2020, , 35-58.		2
30	Investigating Hepatitis C Virus Infection Using Super-Resolution Microscopy. Methods in Molecular Biology, 2019, 1911, 247-261.	0.9	1