SiÃ¢n Culley

List of Publications by Year
in descending order

18 papers	2,371 citations	566801 15 h-index	839053 18 g-index
27 all docs	27 docs citations	27 times ranked	3274 citing authors

#	Article	IF	Citations
1	Physical mechanisms of ESCRT-IIIâ€“driven cell division. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	25
2	Rapid and complete paraffin removal from human tissue sections delivers enhanced Raman spectroscopic and histopathological analysis. Analyst, The, 2020, 145, 1499-1510.	1.7	9
3	The proteasome controls ESCRT-IIIâ€“mediated cell division in an archaeon. Science, 2020, 369, .	6.0	63
4	Closed mitosis requires local disassembly of the nuclear envelope. Nature, 2020, 585, 119-123.	13.7	49
5	Live Imaging of a Hyperthermophilic Archaeon Reveals Distinct Roles for Two ESCRT-III Homologs in Ensuring a Robust and Symmetric Division. Current Biology, 2020, 30, 2852-2859.e4.	1.8	45
6	Between life and death: strategies to reduce phototoxicity in super-resolution microscopy. Journal Physics D: Applied Physics, 2020, 53, 163001.	1.3	49
7	NanoJ: a high-performance open-source super-resolution microscopy toolbox. Journal Physics D: Applied Physics, 2019, 52, 163001.	1.3	120
8	Automating multimodal microscopy with NanoJ-Fluidics. Nature Communications, 2019, 10, 1223.	5.8	84
9	Fix Your Membrane Receptor Imaging: Actin Cytoskeleton and CD4 Membrane Organization Disruption by Chemical Fixation. Frontiers in Immunology, 2019, 10, 675.	2.2	57
10	Heterogeneous localisation of membrane proteins in Staphylococcus aureus. Scientific Reports, 2018, 8, 3657.	1.6	18
11	Quantitative mapping and minimization of super-resolution optical imaging artifacts. Nature Methods, 2018, 15, 263-266.	9.0	266
12	Content-aware image restoration: pushing the limits of fluorescence microscopy. Nature Methods, 2018, 15, 1090-1097.	9.0	758
13	SRRF: Universal live-cell super-resolution microscopy. International Journal of Biochemistry and Cell Biology, 2018, 101, 74-79.	1.2	130
14	Infection Counter: Automated Quantification of in Vitro Virus Replication by Fluorescence Microscopy. Viruses, 2016, 8, 201.	1.5	20
15	Mitochondria mediate septin cage assembly to promote autophagy of Shigella. EMBO Reports, 2016, 17, 1029-1043.	2.0	91
16	Fast live-cell conventional fluorophore nanoscopy with ImageJ through super-resolution radial fluctuations. Nature Communications, 2016, 7, 12471.	5.8	468
17	PALM and STORM: Into large fields and high-throughput microscopy with sCMOS detectors. Methods, 2015, 88, 109-121.	1.9	49
18	Low power super resolution fluorescence microscopy by lifetime modification and image reconstruction. Optics Express, 2014, 22, 12327.	1.7	9