

Martin L Jones

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,722
citations

623734

14
h-index

454955

30
g-index

45
all docs

45
docs citations

45
times ranked

2666
citing authors

#	ARTICLE	IF	CITATIONS
1	Democratising deep learning for microscopy with ZeroCostDL4Mic. Nature Communications, 2021, 12, 2276.	12.8	295
2	Deep learning for automatic segmentation of the nuclear envelope in electron microscopy data, trained with volunteer segmentations. Traffic, 2021, 22, 240-253.	2.7	34
3	Volumetric Semantic Instance Segmentation of the Plasma Membrane of HeLa Cells. Journal of Imaging, 2021, 7, 93.	3.0	4
4	Semantic segmentation of HeLa cells: An objective comparison between one traditional algorithm and four deep-learning architectures. PLoS ONE, 2020, 15, e0230605.	2.5	15
5	Harnessing the Power of the Crowd for Bioimage Analysis. Microscopy and Microanalysis, 2019, 25, 1372-1373.	0.4	2
6	Segmentation and Modelling of the Nuclear Envelope of HeLa Cells Imaged with Serial Block Face Scanning Electron Microscopy. Journal of Imaging, 2019, 5, 75.	3.0	17
7	Segmentation And Modelling of Helanuclear Envelope. , 2019, , .		2
8	Automated detection of fluorescent cells in inâ€resin fluorescence sections for integrated light and electron microscopy. Journal of Microscopy, 2018, 271, 109-119.	1.8	14
9	The crowd storms the ivory tower. Nature Methods, 2018, 15, 579-580.	19.0	4
10	PolNet: A Tool to Quantify Network-Level Cell Polarity and Blood Flow in Vascular Remodeling. Biophysical Journal, 2018, 114, 2052-2058.	0.5	29
11	Automated Segmentation of HeLa Nuclear Envelope from Electron Microscopy Images. Communications in Computer and Information Science, 2018, , 241-250.	0.5	3
12	3D correlative light and electron microscopy of cultured cells using serial blockface scanning electron microscopy. Journal of Cell Science, 2017, 130, 278-291.	2.0	84
13	<i>Mycobacterium tuberculosis</i> replicates within necrotic human macrophages. Journal of Cell Biology, 2017, 216, 583-594.	5.2	105
14	Computational fluid dynamics assisted characterization of parafoveal hemodynamics in normal and diabetic eyes using adaptive optics scanning laser ophthalmoscopy. Biomedical Optics Express, 2016, 7, 4958.	2.9	24
15	ultraLM and miniLM: Locator tools for smart tracking of fluorescent cells in correlative light and electron microscopy. Wellcome Open Research, 2016, 1, 26.	1.8	22
16	Non-canonical Wnt signalling modulates the endothelial shear stress flow sensor in vascular remodelling. ELife, 2016, 5, e07727.	6.0	125
17	Synchronization of endothelial Dll4-Notch dynamics switch blood vessels from branching to expansion. ELife, 2016, 5, .	6.0	115
18	Standard fluorescent proteins as dual-modality probes for correlative experiments in an integrated light and electron microscope. Journal of Chemical Biology, 2015, 8, 179-188.	2.2	15

#	ARTICLE	IF	CITATIONS
19	Dynamic Endothelial Cell Rearrangements Drive Developmental Vessel Regression. PLoS Biology, 2015, 13, e1002125.	5.6	231
20	The role of differential VE-cadherin dynamics in cell rearrangement during angiogenesis. Nature Cell Biology, 2014, 16, 309-321.	10.3	328
21	Computer simulations reveal complex distribution of haemodynamic forces in a mouse retina model of angiogenesis. Journal of the Royal Society Interface, 2014, 11, 20140543.	3.4	87
22	Predicting the future: Towards symbiotic computational and experimental angiogenesis research. Experimental Cell Research, 2013, 319, 1240-1246.	2.6	27
23	Dephasing of entangled atoms as an improved test of quantized space time. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 224003.	1.5	4
24	Evolutionary optimization of state selective field ionization for quantum computing. Applied Soft Computing Journal, 2011, 11, 2079-2082.	7.2	5
25	Creating and observing N-partite entanglement with atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 035504.	1.5	4
26	Quantum measurements of atoms using cavity QED. Physical Review A, 2011, 83, .	2.5	9
27	Universal Continuous Variable Quantum Computation in the Micromaser. Lecture Notes in Computer Science, 2010, , 152-163.	1.3	2
28	Single microwave photon detection in the micromaser. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 145501.	1.5	7
29	Precision measurements of quantum defects in the $nP_{3/2}$ Rydberg states of ^{85}Rb . Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 165004.	1.5	26
30	Emerging technologies and outlook. , 0, , .		1