

# Ricardo Henriques

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80  
papers

3,104  
citations

27  
h-index

55  
g-index

105  
ext. papers

4,647  
ext. citations

10.5  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
80	The Field Guide to 3D Printing in Optical Microscopy for Life Sciences. <i>Advanced Biology</i> , <b>2021</b> , e2100994		3
79	Avoiding a replication crisis in deep-learning-based bioimage analysis. <i>Nature Methods</i> , <b>2021</b> , 18, 1136-1146	14.6	6
78	FtsZ treadmilling is essential for Z-ring condensation and septal constriction initiation in <i>Bacillus subtilis</i> cell division. <i>Nature Communications</i> , <b>2021</b> , 12, 2448	17.4	10
77	Democratising deep learning for microscopy with ZeroCostDL4Mic. <i>Nature Communications</i> , <b>2021</b> , 12, 2276	17.4	69
76	Single-Molecule Super-Resolution Imaging of T-Cell Plasma Membrane CD4 Redistribution upon HIV-1 Binding. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
75	Application of Super-Resolution and Advanced Quantitative Microscopy to the Spatio-Temporal Analysis of Influenza Virus Replication. <i>Viruses</i> , <b>2021</b> , 13,	6.2	3
74	eHooke: A tool for automated image analysis of spherical bacteria based on cell cycle progression. <b>2021</b> , 1, e3		2
73	The cell biologist's guide to super-resolution microscopy. <i>Journal of Cell Science</i> , <b>2020</b> , 133,	5.3	36
72	Live Imaging of a Hyperthermophilic Archaeon Reveals Distinct Roles for Two ESCRT-III Homologs in Ensuring a Robust and Symmetric Division. <i>Current Biology</i> , <b>2020</b> , 30, 2852-2859.e4	6.3	20
71	Fluctuation-Based Super-Resolution Traction Force Microscopy. <i>Nano Letters</i> , <b>2020</b> , 20, 2230-2245	11.5	28
70	Super-beacons: Open-source probes with spontaneous tuneable blinking compatible with live-cell super-resolution microscopy. <i>Traffic</i> , <b>2020</b> , 21, 375-385	5.7	6
69	Between life and death: strategies to reduce phototoxicity in super-resolution microscopy. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 163001	3	21
68	vLUME: 3D virtual reality for single-molecule localization microscopy. <i>Nature Methods</i> , <b>2020</b> , 17, 1097-1099	11.6	7
67	The proteasome controls ESCRT-III-mediated cell division in an archaeon. <i>Science</i> , <b>2020</b> , 369,	33.3	27
66	Closed mitosis requires local disassembly of the nuclear envelope. <i>Nature</i> , <b>2020</b> , 585, 119-123	50.4	21
65	Nuclear pores as versatile reference standards for quantitative superresolution microscopy. <i>Nature Methods</i> , <b>2019</b> , 16, 1045-1053	21.6	105
64	NanoJ: a high-performance open-source super-resolution microscopy toolbox. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 163001	3	58

63	TMEM16F activation by Ca triggers plasma membrane expansion and directs PD-1 trafficking. <i>Scientific Reports</i> , <b>2019</b> , 9, 619	4.9	19
62	Automating multimodal microscopy with NanoJ-Fluidics. <i>Nature Communications</i> , <b>2019</b> , 10, 1223	17.4	35
61	Super-resolution fight club: assessment of 2D and 3D single-molecule localization microscopy software. <i>Nature Methods</i> , <b>2019</b> , 16, 387-395	21.6	123
60	Fix Your Membrane Receptor Imaging: Actin Cytoskeleton and CD4 Membrane Organization Disruption by Chemical Fixation. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 675	8.4	28
59	Nanoscale polarization of the entry fusion complex of vaccinia virus drives efficient fusion. <i>Nature Microbiology</i> , <b>2019</b> , 4, 1636-1644	26.6	12
58	A HIDDEN MARKOV MODEL APPROACH TO CHARACTERIZING THE PHOTO-SWITCHING BEHAVIOR OF FLUOROPHORES. <i>Annals of Applied Statistics</i> , <b>2019</b> , 13, 1397-1429	2.1	7
57	Artificial intelligence for microscopy: what you should know. <i>Biochemical Society Transactions</i> , <b>2019</b> , 47, 1029-1040	5.1	39
56	Heterogeneous localisation of membrane proteins in <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , <b>2018</b> , 8, 3657	4.9	12
55	The Role of Mitotic Cell-Substrate Adhesion Re-modeling in Animal Cell Division. <i>Developmental Cell</i> , <b>2018</b> , 45, 132-145.e3	10.2	55
54	Quantitative mapping and minimization of super-resolution optical imaging artifacts. <i>Nature Methods</i> , <b>2018</b> , 15, 263-266	21.6	145
53	Content-aware image restoration: pushing the limits of fluorescence microscopy. <i>Nature Methods</i> , <b>2018</b> , 15, 1090-1097	21.6	369
52	Septins Recognize and Entrap Dividing Bacterial Cells for Delivery to Lysosomes. <i>Cell Host and Microbe</i> , <b>2018</b> , 24, 866-874.e4	23.4	37
51	SRRF: Universal live-cell super-resolution microscopy. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2018</b> , 101, 74-79	5.6	71
50	Co-Localisation and Correlation in Fluorescence Microscopy Data <b>2017</b> , 143-171		1
49	Digital Microscopy <b>2017</b> , 1-29		1
48	FRAP and Other Photoperturbation Techniques <b>2017</b> , 99-141		2
47	Open-source Single-particle Analysis for Super-resolution Microscopy with VirusMapper. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	4
46	Presenting and Storing Data for Publication <b>2017</b> , 249-268		

45	Quantification of Image Data <b>2017</b> , 31-46		
44	Segmentation in Bioimaging <b>2017</b> , 47-81		
43	Measuring Molecular Dynamics and Interactions by Förster Resonance Energy Transfer (FRET) <b>2017</b> , 83-97		0
42	Live Cell Imaging <b>2017</b> , 173-200		2
41	Super-Resolution Data Analysis <b>2017</b> , 201-226		1
40	Big Data and Bio-Image Informatics <b>2017</b> , 227-248		
39	<b>2017</b> ,		6
38	VirusMapper: open-source nanoscale mapping of viral architecture through super-resolution microscopy. <i>Scientific Reports</i> , <b>2016</b> , 6, 29132	4.9	33
37	Fast live-cell conventional fluorophore nanoscopy with ImageJ through super-resolution radial fluctuations. <i>Nature Communications</i> , <b>2016</b> , 7, 12471	17.4	278
36	HIV-1 Nef Impairs the Formation of Calcium Membrane Territories Controlling the Signaling Nanoarchitecture at the Immunological Synapse. <i>Journal of Immunology</i> , <b>2016</b> , 197, 4042-4052	5.3	11
35	Super-resolution microscopy reveals a preformed NEMO lattice structure that is collapsed in incontinentia pigmenti. <i>Nature Communications</i> , <b>2016</b> , 7, 12629	17.4	13
34	K63-Linked Ubiquitination Targets Toxoplasma gondii for Endo-lysosomal Destruction in IFN $\gamma$ -stimulated Human Cells. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1006027	7.6	55
33	Infection Counter: Automated Quantification of in Vitro Virus Replication by Fluorescence Microscopy. <i>Viruses</i> , <b>2016</b> , 8,	6.2	12
32	Mitochondria mediate septin cage assembly to promote autophagy of Shigella. <i>EMBO Reports</i> , <b>2016</b> , 17, 1029-43	6.5	58
31	PALM and STORM: Into large fields and high-throughput microscopy with sCMOS detectors. <i>Methods</i> , <b>2015</b> , 88, 109-21	4.6	35
30	High-content 3D multicolor super-resolution localization microscopy. <i>Methods in Cell Biology</i> , <b>2015</b> , 125, 95-117	1.8	20
29	TNF and IL-1 exhibit distinct ubiquitin requirements for inducing NEMO-IKK supramolecular structures. <i>Journal of Cell Biology</i> , <b>2014</b> , 204, 231-45	7.3	269
28	Regulated vesicle fusion generates signaling nanoterritories that control T cell activation at the immunological synapse. <i>Journal of Experimental Medicine</i> , <b>2013</b> , 210, 2415-33	16.6	101

27	Regulated vesicle fusion generates signaling nanoterritories that control T cell activation at the immunological synapse. <i>Journal of General Physiology</i> , <b>2013</b> , 142, 1425OIA44	3.4	1
26	Regulated vesicle fusion generates signaling nanoterritories that control T-cell activation at the immunological synapse. <i>Journal of Cell Biology</i> , <b>2013</b> , 203, 2031OIA112	7.3	
25	Superresolution imaging of HIV in infected cells with FLAsH-PALM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8564-9	11.5	118
24	Single-molecule localization super-resolution microscopy: deeper and faster. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 1419-29	0.5	38
23	Highly dynamic host actin reorganization around developing Plasmodium inside hepatocytes. <i>PLoS ONE</i> , <b>2012</b> , 7, e29408	3.7	19
22	Enhanced epifluorescence microscopy by uniform and intensity optimized illumination. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2012</b> , 81, 278-80	4.6	1
21	Hierarchies of host factor dynamics at the entry site of Shigella flexneri during host cell invasion. <i>Infection and Immunity</i> , <b>2012</b> , 80, 2548-57	3.7	30
20	PALM and STORM: unlocking live-cell super-resolution. <i>Biopolymers</i> , <b>2011</b> , 95, 322-31	2.2	132
19	QuickPALM: 3D real-time photoactivation nanoscopy image processing in ImageJ. <i>Nature Methods</i> , <b>2010</b> , 7, 339-40	21.6	327
18	Frontiers in fluorescence microscopy. <i>International Journal of Developmental Biology</i> , <b>2009</b> , 53, 1569-79	1.9	17
17	PALM and STORM: what hides beyond the Rayleigh limit?. <i>Biotechnology Journal</i> , <b>2009</b> , 4, 846-57	5.6	35
16	High-throughput SNP genotyping: combining tag SNPs and molecular beacons. <i>Methods in Molecular Biology</i> , <b>2009</b> , 578, 255-76	1.4	23
15	DeepBacs: Bacterial image analysis using open-source deep learning approaches		1
14	Automating multimodal microscopy with NanoJ-Fluidics		1
13	Closed mitosis requires local disassembly of the nuclear envelope		1
12	NanoJ-SQUIRREL: quantitative mapping and minimisation of super-resolution optical imaging artefacts		5
11	vLUME: 3D Virtual Reality for Single-molecule Localization Microscopy		1
10	ZeroCostDL4Mic: an open platform to use Deep-Learning in Microscopy		24

9	FtsZ treadmilling is essential for Z-ring condensation and septal constriction initiation in <i>Bacillus subtilis</i> cell division	5
8	A hidden Markov model approach to characterizing the photo-switching behavior of fluorophores	1
7	Content-Aware Image Restoration: Pushing the Limits of Fluorescence Microscopy	13
6	Nanoscale Polarization of the Vaccinia Virus Entry Fusion Complex Drives Efficient Fusion	2
5	Super-resolution fight club: A broad assessment of 2D & 3D single-molecule localization microscopy software	4
4	NanoJ: a high-performance open-source super-resolution microscopy toolbox	2
3	Nuclear pores as versatile reference standards for quantitative superresolution microscopy	4
2	Proteasome-mediated protein degradation resets the cell division cycle and triggers ESCRT-III-mediated cytokinesis in an archaeon	3
1	The Field Guide to 3D Printing in Microscopy	3