

Jean-Yves Tinevez

List of Publications by Citations

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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.

51
papers

31,281
citations

17
h-index

65
g-index

65
ext. papers

45,160
ext. citations

8.5
avg, IF

6.42
L-index

#	Paper	IF	Citations
51	Fiji: an open-source platform for biological-image analysis. <i>Nature Methods</i> , 2012 , 9, 676-82	21.6	27799
50	TrackMate: An open and extensible platform for single-particle tracking. <i>Methods</i> , 2017 , 115, 80-90	4.6	1276
49	Objective comparison of particle tracking methods. <i>Nature Methods</i> , 2014 , 11, 281-9	21.6	571
48	Role of cortical tension in bleb growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18581-6	11.5	373
47	TNF and IL-1 exhibit distinct ubiquitin requirements for inducing NEMO-IKK supramolecular structures. <i>Journal of Cell Biology</i> , 2014 , 204, 231-45	7.3	269
46	Polar actomyosin contractility destabilizes the position of the cytokinetic furrow. <i>Nature</i> , 2011 , 476, 462-6	50.4	237
45	Unifying the various incarnations of active hair-bundle motility by the vertebrate hair cell. <i>Biophysical Journal</i> , 2007 , 93, 4053-67	2.9	101
44	Strategies of professional phagocytes in vivo: unlike macrophages, neutrophils engulf only surface-associated microbes. <i>Journal of Cell Science</i> , 2011 , 124, 3053-9	5.3	91
43	Multi-view light-sheet imaging and tracking with the MaMuT software reveals the cell lineage of a direct developing arthropod limb. <i>ELife</i> , 2018 , 7,	8.9	77
42	Harmonin-b, an actin-binding scaffold protein, is involved in the adaptation of mechano-electrical transduction by sensory hair cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2009 , 459, 115-30	4.6	67
41	A quantitative method for measuring phototoxicity of a live cell imaging microscope. <i>Methods in Enzymology</i> , 2012 , 506, 291-309	1.7	47
40	Bioimage analysis of Shigella infection reveals targeting of colonic crypts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E3282-90	11.5	41
39	TIM-1 Ubiquitination Mediates Dengue Virus Entry. <i>Cell Reports</i> , 2018 , 23, 1779-1793	10.6	38
38	Altered spinogenesis in iPSC-derived cortical neurons from patients with autism carrying de novo SHANK3 mutations. <i>Scientific Reports</i> , 2019 , 9, 94	4.9	37
37	The infectious hypoxia: occurrence and causes during Shigella infection. <i>Microbes and Infection</i> , 2017 , 19, 157-165	9.3	22
36	Bidirectional intraflagellar transport is restricted to two sets of microtubule doublets in the trypanosome flagellum. <i>Journal of Cell Biology</i> , 2018 , 217, 4284-4297	7.3	22
35	Conical diffraction illumination opens the way for low phototoxicity super-resolution imaging. <i>Cell Adhesion and Migration</i> , 2014 , 8, 430-9	3.2	20

34	Bringing TrackMate into the era of machine-learning and deep-learning		17
33	Shigella-mediated oxygen depletion is essential for intestinal mucosa colonization. <i>Nature Microbiology</i> , 2019 , 4, 2001-2009	26.6	15
32	Msx1 and Msx2 act as essential activators of Atoh1 expression in the murine spinal cord. <i>Development (Cambridge)</i> , 2014 , 141, 1726-36	6.6	15
31	Automated cell tracking using StarDist and TrackMate. <i>F1000Research</i> , 2020 , 9, 1279	3.6	13
30	Object Segmentation and Ground Truth in 3D Embryonic Imaging. <i>PLoS ONE</i> , 2016 , 11, e0150853	3.7	12
29	A simple model for the fate of the cytokinesis midbody remnant: implications for remnant degradation by autophagy. <i>BioEssays</i> , 2013 , 35, 472-81	4.1	11
28	Anisotropic organization of circumferential actomyosin characterizes hematopoietic stem cells emergence in the zebrafish. <i>ELife</i> , 2018 , 7,	8.9	11
27	Dynamic spatiotemporal coordination of neural stem cell fate decisions occurs through local feedback in the adult vertebrate brain. <i>Cell Stem Cell</i> , 2021 , 28, 1457-1472.e12	18	10
26	Crumbs affects protein dynamics in anterior regions of the developing Drosophila embryo. <i>PLoS ONE</i> , 2013 , 8, e58839	3.7	8
25	Shigella impairs human T lymphocyte responsiveness by hijacking actin cytoskeleton dynamics and T cell receptor vesicular trafficking. <i>Cellular Microbiology</i> , 2020 , 22, e13166	3.9	7
24	MUB Binds to Lactoferrin and Stands as a Specific Neutrophil Marker. <i>Cell Chemical Biology</i> , 2018 , 25, 483-493.e9	8.2	7
23	TrackMate 7: integrating state-of-the-art segmentation algorithms into tracking pipelines. <i>Nature Methods</i> ,	21.6	7
22	Conical diffraction as a versatile building block to implement new imaging modalities for superresolution in fluorescence microscopy 2014 ,		6
21	Irradiation damage to frog inner ear during synchrotron radiation tomographic investigation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009 , 170, 37-41	1.7	5
20	In vitro characterization of Fluorescence by Unbound Excitation from Luminescence: broadening the scope of energy transfer. <i>Methods</i> , 2014 , 66, 353-61	4.6	4
19	Three-dimensional Quantification of Dendritic Spines from Pyramidal Neurons Derived from Human Induced Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	4
18	Reconstruction of cell lineages and behaviors underlying arthropod limb outgrowth with multi-view light-sheet imaging and tracking		4
17	Listeriolysin S: A bacteriocin from that induces membrane permeabilization in a contact-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4

16	Imaging of Red-Shifted Light From Bioluminescent Tumors Using Fluorescence by Unbound Excitation From Luminescence. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 73	5.8	3
15	The NEMO Dots Assembly: Single-Particle Tracking and Analysis. <i>Learning Materials in Biosciences</i> , 2020 , 67-96	0.3	3
14	HIV-induced membraneless organelles orchestrate post-nuclear entry steps		3
13	Highlights from the 2016-2020 NEUBIAS training schools for Bioimage Analysts: a success story and key asset for analysts and life scientists. <i>F1000Research</i> , 2021 , 10, 334	3.6	3
12	Fluorescence imaging host pathogen interactions: fifteen years benefit of hindsight <i>Current Opinion in Microbiology</i> , 2018 , 43, 193-198	7.9	2
11	Micro mirror arrays as high-resolution spatial light modulators for photoactivation and optogenetics 2013 ,		2
10	Les vestiges d'habitat du Néolithique ancien de Quimper, Kervouyec (Finistère). <i>Bulletin De La Societe Prehistorique Francaise</i> , 2015 , 112, 269-316		2
9	LocalZProjector and DeProj: a toolbox for local 2D projection and accurate morphometrics of large 3D microscopy images. <i>BMC Biology</i> , 2021 , 19, 136	7.3	2
8	Spatio-angular light control in microscopes using micro mirror arrays 2015 ,		1
7	Automated cell tracking using StarDist and TrackMate. <i>F1000Research</i> , 9, 1279	3.6	1
6	Automated cell tracking using StarDist and TrackMate		1
5	Imaging of red-shifted photons from bioluminescent tumours using fluorescence by unbound excitation from luminescence		1
4	Molecular organization and mechanics of single vimentin filaments revealed by super-resolution imaging.. <i>Science Advances</i> , 2022 , 8, eabm2696	14.3	1
3	The frequency and consequences of multipolar mitoses in undifferentiated embryonic stem cells.. <i>Journal of Applied Biomedicine</i> , 2019 , 17, 209-217	0.6	0
2	Quantification of Image Data 2017 , 31-46		
1	Segmentation in Bioimaging 2017 , 47-81		