

Jean-Yves Tinevez

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

53,868
citations

361045

20
h-index

253896

43
g-index

65
all docs

65
docs citations

65
times ranked

92484
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular organization and mechanics of single vimentin filaments revealed by super-resolution imaging. <i>Science Advances</i> , 2022, 8, eabm2696.	4.7	21
2	Best Fit 3D Basilar Membrane Reconstruction to Routinely Assess the Scalar Position of the Electrode Array after Cochlear Implantation. <i>Journal of Clinical Medicine</i> , 2022, 11, 2075.	1.0	3
3	TrackMate 7: integrating state-of-the-art segmentation algorithms into tracking pipelines. <i>Nature Methods</i> , 2022, 19, 829-832.	9.0	269
4	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.	0.8	10
5	LocalZProjector and DeProj: a toolbox for local 2D projection and accurate morphometrics of large 3D microscopy images. <i>BMC Biology</i> , 2021, 19, 136.	1.7	29
6	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.	5.2	29
7	Listeriolysin S: A bacteriocin from <i>Listeria monocytogenes</i> 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, .	3.3	10
8	<i>Shigella</i> impairs human T lymphocyte responsiveness by hijacking actin cytoskeleton dynamics and T cell receptor vesicular trafficking. <i>Cellular Microbiology</i> , 2020, 22, e13166.	1.1	11
9	The NEMO Dots Assembly: Single-Particle Tracking and Analysis. <i>Learning Materials in Biosciences</i> , 2020, , 67-96.	0.2	8
10	Automated cell tracking using StarDist and TrackMate. <i>F1000Research</i> , 2020, 9, 1279.	0.8	34
11	<i>Shigella</i> -mediated oxygen depletion is essential for intestinal mucosa colonization. <i>Nature Microbiology</i> , 2019, 4, 2001-2009.	5.9	26
12	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.	2.0	3
13	Altered spinogenesis in iPSC-derived cortical neurons from patients with autism carrying de novo SHANK3 mutations. <i>Scientific Reports</i> , 2019, 9, 94.	1.6	51
14	The frequency and consequences of multipolar mitoses in undifferentiated embryonic stem cells. <i>Journal of Applied Biomedicine</i> , 2019, 17, 209-217.	0.6	1
15	MUB40 Binds to Lactoferrin and Stands as a Specific Neutrophil Marker. <i>Cell Chemical Biology</i> , 2018, 25, 483-493.e9.	2.5	13
16	Fluorescence imaging host pathogen interactions: fifteen years benefit of hindsight. <i>Current Opinion in Microbiology</i> , 2018, 43, 193-198.	2.3	3
17	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.	2.3	41
18	TIM-1 Ubiquitination Mediates Dengue Virus Entry. <i>Cell Reports</i> , 2018, 23, 1779-1793.	2.9	75

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19	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, .	2.8	134
20	Anisotropic organization of circumferential actomyosin characterizes hematopoietic stem cells emergence in the zebrafish. <i>ELife</i> , 2018, 7, .	2.8	25
21	The infectious hypoxia: occurrence and causes during <i>Shigella</i> infection. <i>Microbes and Infection</i> , 2017, 19, 157-165.	1.0	28
22	TrackMate: An open and extensible platform for single-particle tracking. <i>Methods</i> , 2017, 115, 80-90.	1.9	2,546
23	Object Segmentation and Ground Truth in 3D Embryonic Imaging. <i>PLoS ONE</i> , 2016, 11, e0150853.	1.1	20
24	Three-dimensional Quantification of Dendritic Spines from Pyramidal Neurons Derived from Human Induced Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	6
25	A new method to achieve tens of nm axial super-localization based on conical diffraction PSF shaping. , 2015, , .		1
26	Bioimage analysis of <i>Shigella</i> 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.	3.3	58
27	Spatially resolved contrast measurement of diffractive micromirror arrays. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
28	Spatio-angular light control in microscopes using micro mirror arrays. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
29	Conical diffraction as a versatile building block to implement new imaging modalities for superresolution in fluorescence microscopy. <i>Proceedings of SPIE</i> , 2014, , .	0.8	8
30	Conical diffraction illumination opens the way for low phototoxicity super-resolution imaging. <i>Cell Adhesion and Migration</i> , 2014, 8, 430-439.	1.1	23
31	Objective comparison of particle tracking methods. <i>Nature Methods</i> , 2014, 11, 281-289.	9.0	805
32	<i>Msx1</i> and <i>Msx2</i> act as essential activators of <i>Atoh1</i> expression in the murine spinal cord. <i>Development (Cambridge)</i> , 2014, 141, 1726-1736.	1.2	33
33	In vitro characterization of fluorescence by unbound excitation from luminescence: Broadening the scope of energy transfer. <i>Methods</i> , 2014, 66, 353-361.	1.9	5
34	TNF and IL-1 exhibit distinct ubiquitin requirements for inducing NEMO/IKK supramolecular structures. <i>Journal of Cell Biology</i> , 2014, 204, 231-245.	2.3	415
35	Micro mirror arrays as high-resolution spatial light modulators for photoactivation and optogenetics. , 2013, , .		2
36	A simple model for the fate of the cytokinesis midbody remnant: Implications for remnant degradation by autophagy. <i>BioEssays</i> , 2013, 35, 472-481.	1.2	22

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37	Crumbs Affects Protein Dynamics In Anterior Regions Of The Developing Drosophila Embryo. PLoS ONE, 2013, 8, e58839.	1.1	12
38	A Quantitative Method for Measuring Phototoxicity of a Live Cell Imaging Microscope. Methods in Enzymology, 2012, 506, 291-309.	0.4	68
39	Fiji: an open-source platform for biological-image analysis. Nature Methods, 2012, 9, 676-682.	9.0	47,818
40	Polar actomyosin contractility destabilizes the position of the cytokinetic furrow. Nature, 2011, 476, 462-466.	13.7	299
41	Strategies of professional phagocytes in vivo: unlike macrophages, neutrophils engulf only surface-associated microbes. Journal of Cell Science, 2011, 124, 3053-3059.	1.2	121
42	Role of cortical tension in bleb growth. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18581-18586.	3.3	478
43	Harmonin-b, an actin-binding scaffold protein, is involved in the adaptation of mechano-electrical transduction by sensory hair cells. Pflügers Archiv European Journal of Physiology, 2009, 459, 115-130.	1.3	77
44	Irradiation damage to frog inner ear during synchrotron radiation tomographic investigation. Journal of Electron Spectroscopy and Related Phenomena, 2009, 170, 37-41.	0.8	5
45	Unifying the Various Incarnations of Active Hair-Bundle Motility by the Vertebrate Hair Cell. Biophysical Journal, 2007, 93, 4053-4067.	0.2	124
46	Automated cell tracking using StarDist and TrackMate. F1000Research, 0, 9, 1279.	0.8	7