

Jean-Yves Tinevez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2873129/publications.pdf>

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 | Fiji: an open-source platform for biological-image analysis. <i>Nature Methods</i> , 2012, 9, 676-682. | 9.0 | 47,818 |
| 2 | TrackMate: An open and extensible platform for single-particle tracking. <i>Methods</i> , 2017, 115, 80-90. | 1.9 | 2,546 |
| 3 | Objective comparison of particle tracking methods. <i>Nature Methods</i> , 2014, 11, 281-289. | 9.0 | 805 |
| 4 | Role of cortical tension in bleb growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18581-18586. | 3.3 | 478 |
| 5 | TNF and IL-1 exhibit distinct ubiquitin requirements for inducing NEMO's IKK supramolecular structures. <i>Journal of Cell Biology</i> , 2014, 204, 231-245. | 2.3 | 415 |
| 6 | Polar actomyosin contractility destabilizes the position of the cytokinetic furrow. <i>Nature</i> , 2011, 476, 462-466. | 13.7 | 299 |
| 7 | TrackMate 7: integrating state-of-the-art segmentation algorithms into tracking pipelines. <i>Nature Methods</i> , 2022, 19, 829-832. | 9.0 | 269 |
| 8 | 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 |
| 9 | Unifying the Various Incarnations of Active Hair-Bundle Motility by the Vertebrate Hair Cell. <i>Biophysical Journal</i> , 2007, 93, 4053-4067. | 0.2 | 124 |
| 10 | Strategies of professional phagocytes in vivo: unlike macrophages, neutrophils engulf only surface-associated microbes. <i>Journal of Cell Science</i> , 2011, 124, 3053-3059. | 1.2 | 121 |
| 11 | 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, 115-130. | 1.3 | 77 |
| 12 | TIM-1 Ubiquitination Mediates Dengue Virus Entry. <i>Cell Reports</i> , 2018, 23, 1779-1793. | 2.9 | 75 |
| 13 | A Quantitative Method for Measuring Phototoxicity of a Live Cell Imaging Microscope. <i>Methods in Enzymology</i> , 2012, 506, 291-309. | 0.4 | 68 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Automated cell tracking using StarDist and TrackMate. <i>F1000Research</i> , 2020, 9, 1279. | 0.8 | 34 |
| 18 | Msx1 and Msx2 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 |

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|----|---|-----|-----------|
| 19 | LocalZProjector and DeProj: a toolbox for local 2D projection and accurate morphometrics of large 3D microscopy images. BMC Biology, 2021, 19, 136. | 1.7 | 29 |
| 20 | Dynamic spatiotemporal coordination of neural stem cell fate decisions occurs through local feedback in the adult vertebrate brain. Cell Stem Cell, 2021, 28, 1457-1472.e12. | 5.2 | 29 |
| 21 | The infectious hypoxia: occurrence and causes during Shigella infection. Microbes and Infection, 2017, 19, 157-165. | 1.0 | 28 |
| 22 | Shigella-mediated oxygen depletion is essential for intestinal mucosa colonization. Nature Microbiology, 2019, 4, 2001-2009. | 5.9 | 26 |
| 23 | Anisotropic organization of circumferential actomyosin characterizes hematopoietic stem cells emergence in the zebrafish. ELife, 2018, 7, . | 2.8 | 25 |
| 24 | Conical diffraction illumination opens the way for low phototoxicity super-resolution imaging. Cell Adhesion and Migration, 2014, 8, 430-439. | 1.1 | 23 |
| 25 | A simple model for the fate of the cytokinesis midbody remnant: Implications for remnant degradation by autophagy. BioEssays, 2013, 35, 472-481. | 1.2 | 22 |
| 26 | Molecular organization and mechanics of single vimentin filaments revealed by super-resolution imaging. Science Advances, 2022, 8, eabm2696. | 4.7 | 21 |
| 27 | Object Segmentation and Ground Truth in 3D Embryonic Imaging. PLoS ONE, 2016, 11, e0150853. | 1.1 | 20 |
| 28 | MUB40 Binds to Lactoferrin and Stands as a Specific Neutrophil Marker. Cell Chemical Biology, 2018, 25, 483-493.e9. | 2.5 | 13 |
| 29 | Crumbs Affects Protein Dynamics In Anterior Regions Of The Developing Drosophila Embryo. PLoS ONE, 2013, 8, e58839. | 1.1 | 12 |
| 30 | <i>Shigella</i> impairs human T lymphocyte responsiveness by hijacking actin cytoskeleton dynamics and T cell receptor vesicular trafficking. Cellular Microbiology, 2020, 22, e13166. | 1.1 | 11 |
| 31 | Highlights from the 2016-2020 NEUBIAS training schools for Bioimage Analysts: a success story and key asset for analysts and life scientists. F1000Research, 2021, 10, 334. | 0.8 | 10 |
| 32 | Listeriolysin S: A bacteriocin from <i>Listeria monocytogenes</i> that induces membrane permeabilization in a contact-dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 10 |
| 33 | Conical diffraction as a versatile building block to implement new imaging modalities for superresolution in fluorescence microscopy. Proceedings of SPIE, 2014, , . | 0.8 | 8 |
| 34 | The NEMO Dots Assembly: Single-Particle Tracking and Analysis. Learning Materials in Biosciences, 2020, , 67-96. | 0.2 | 8 |
| 35 | Automated cell tracking using StarDist and TrackMate. F1000Research, 0, 9, 1279. | 0.8 | 7 |
| 36 | Three-dimensional Quantification of Dendritic Spines from Pyramidal Neurons Derived from Human Induced Pluripotent Stem Cells. Journal of Visualized Experiments, 2015, , . | 0.2 | 6 |

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|----|---|-----|-----------|
| 37 | Irradiation damage to frog inner ear during synchrotron radiation tomographic investigation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 170, 37-41. | 0.8 | 5 |
| 38 | 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 |
| 39 | Fluorescence imaging host pathogen interactions: fifteen years benefit of hindsight. <i>Current Opinion in Microbiology</i> , 2018, 43, 193-198. | 2.3 | 3 |
| 40 | 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 |
| 41 | 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 |
| 42 | Micro mirror arrays as high-resolution spatial light modulators for photoactivation and optogenetics. , 2013, , . | | 2 |
| 43 | A new method to achieve tens of nm axial super-localization based on conical diffraction PSF shaping. , 2015, , . | | 1 |
| 44 | Spatio-angular light control in microscopes using micro mirror arrays. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 1 |
| 45 | 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 |
| 46 | Spatially resolved contrast measurement of diffractive micromirror arrays. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 0 |