

# Francesco Pampaloni

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/9267991/francesco-pampaloni-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

48  
papers

4,873  
citations

23  
h-index

56  
g-index

56  
ext. papers

5,700  
ext. citations

7.7  
avg, IF

5.42  
L-index

#	Paper	IF	Citations
48	MISpheroid: a knowledgebase and transparency tool for minimum information in spheroid identity. <i>Nature Methods</i> , <b>2021</b> , 18, 1294-1303	21.6	4
47	Accelerating cryoprotectant diffusion kinetics improves cryopreservation of pancreatic islets. <i>Scientific Reports</i> , <b>2021</b> , 11, 10418	4.9	2
46	Non-invasive analysis of pancreas organoids in synthetic hydrogels defines material-cell interactions and luminal composition. <i>Biomaterials Science</i> , <b>2021</b> , 9, 5415-5426	7.4	2
45	Long-term live imaging and multiscale analysis identify heterogeneity and core principles of epithelial organoid morphogenesis. <i>BMC Biology</i> , <b>2021</b> , 19, 37	7.3	12
44	Standardized GMP-compliant scalable production of human pancreas organoids. <i>Stem Cell Research and Therapy</i> , <b>2020</b> , 11, 94	8.3	18
43	hFRUIT: An optimized agent for optical clearing of Dil-stained adult human brain tissue. <i>Scientific Reports</i> , <b>2020</b> , 10, 9950	4.9	4
42	3D-Cell-Annotator: an open-source active surface tool for single-cell segmentation in 3D microscopy images. <i>Bioinformatics</i> , <b>2020</b> , 36, 2948-2949	7.2	8
41	Human extrahepatic and intrahepatic cholangiocyte organoids show region-specific differentiation potential and model cystic fibrosis-related bile duct disease. <i>Scientific Reports</i> , <b>2020</b> , 10, 21900	4.9	15
40	p63 uses a switch-like mechanism to set the threshold for induction of apoptosis. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 1078-1086	11.7	9
39	Ultra-thin fluorocarbon foils optimise multiscale imaging of three-dimensional native and optically cleared specimens. <i>Scientific Reports</i> , <b>2019</b> , 9, 17292	4.9	9
38	Multiscale image analysis reveals structural heterogeneity of the cell microenvironment in homotypic spheroids. <i>Scientific Reports</i> , <b>2017</b> , 7, 43693	4.9	25
37	Linear ubiquitination of cytosolic Salmonella Typhimurium activates NF- $\kappa$ B and restricts bacterial proliferation. <i>Nature Microbiology</i> , <b>2017</b> , 2, 17066	26.6	101
36	Three-Dimensional Live Imaging of Filamentous Fungi with Light Sheet-Based Fluorescence Microscopy (LSFM). <i>Methods in Molecular Biology</i> , <b>2017</b> , 1563, 19-31	1.4	4
35	A Novel Cellular Spheroid-Based Autophagy Screen Applying Live Fluorescence Microscopy Identifies Nonactin as a Strong Inducer of Autophagosomal Turnover. <i>SLAS Discovery</i> , <b>2017</b> , 22, 558-570	3.4	10
34	AMP-Activated Protein Kinase $\alpha$ in Neutrophils Regulates Vascular Repair via Hypoxia-Inducible Factor-1 $\beta$ and a Network of Proteins Affecting Metabolism and Apoptosis. <i>Circulation Research</i> , <b>2017</b> , 120, 99-109	15.7	27
33	Live spheroid formation recorded with light sheet-based fluorescence microscopy. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1251, 43-57	1.4	16
32	Light-sheet-based fluorescence microscopy (LSFM) for the quantitative imaging of cells and tissues. <i>Cell and Tissue Research</i> , <b>2015</b> , 360, 129-41	4.2	44

31	Robust and automated three-dimensional segmentation of densely packed cell nuclei in different biological specimens with Lines-of-Sight decomposition. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 187	3.6	33
30	Imaging cellular spheroids with a single (selective) plane illumination microscope. <i>Cold Spring Harbor Protocols</i> , <b>2014</b> , 2014, 106-13	1.2	10
29	Tissue-culture light sheet fluorescence microscopy (TC-LSFM) allows long-term imaging of three-dimensional cell cultures under controlled conditions. <i>Integrative Biology (United Kingdom)</i> , <b>2014</b> , 6, 988-98	3.7	29
28	3D high-content screening for the identification of compounds that target cells in dormant tumor spheroid regions. <i>Experimental Cell Research</i> , <b>2014</b> , 323, 131-143	4.2	170
27	Imaging MDCK cysts with a single (selective) plane illumination microscope. <i>Cold Spring Harbor Protocols</i> , <b>2014</b> , 2014, 114-8	1.2	7
26	Identification of autophagy as a longevity-assurance mechanism in the aging model <i>Podospira anserina</i> . <i>Autophagy</i> , <b>2014</b> , 10, 822-34	10.2	45
25	Literature Search and Review. <i>Assay and Drug Development Technologies</i> , <b>2014</b> , 12, 197-206	2.1	
24	Light-sheet-based fluorescence microscopy for three-dimensional imaging of biological samples. <i>Cold Spring Harbor Protocols</i> , <b>2014</b> , 2014, 1-8	1.2	15
23	Quantifying the autophagy-triggering effects of drugs in cell spheroids with live fluorescence microscopy. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1165, 19-29	1.4	5
22	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 1315-530	5.8	837
21	Quantitative 3D cell-based assay performed with cellular spheroids and fluorescence microscopy. <i>Methods in Cell Biology</i> , <b>2013</b> , 113, 295-309	1.8	20
20	High-resolution deep imaging of live cellular spheroids with light-sheet-based fluorescence microscopy. <i>Cell and Tissue Research</i> , <b>2013</b> , 352, 161-77	4.2	114
19	Fluorescence-based sensors to monitor localization and functions of linear and K63-linked ubiquitin chains in cells. <i>Molecular Cell</i> , <b>2012</b> , 47, 797-809	17.6	121
18	Light sheet-based fluorescence microscopy (LSFM) reduces phototoxic effects and provides new means for the modern life sciences <b>2011</b> ,		2
17	Polyethylenimine bioconjugates for imaging and DNA delivery in vivo. <i>Methods in Molecular Biology</i> , <b>2011</b> , 751, 145-65	1.4	4
16	Extracting the mechanical properties of microtubules from thermal fluctuation measurements on an attached tracer particle. <i>Methods in Cell Biology</i> , <b>2010</b> , 95, 601-15	1.8	3
15	Three-dimensional cell cultures in toxicology. <i>Biotechnology and Genetic Engineering Reviews</i> , <b>2010</b> , 26, 117-38	4.1	57
14	Madin-Darby canine kidney cells are increased in aerobic glycolysis when cultured on flat and stiff collagen-coated surfaces rather than in physiological 3-D cultures. <i>Proteomics</i> , <b>2010</b> , 10, 3394-413	4.8	13

13	Three-dimensional tissue models for drug discovery and toxicology. <i>Recent Patents on Biotechnology</i> , <b>2009</b> , 3, 103-17	2.2	74
12	Microtubule architecture: inspiration for novel carbon nanotube-based biomimetic materials. <i>Trends in Biotechnology</i> , <b>2008</b> , 26, 302-10	15.1	93
11	Three-dimensional microtubule behavior in <i>Xenopus</i> egg extracts reveals four dynamic states and state-dependent elastic properties. <i>Biophysical Journal</i> , <b>2008</b> , 95, 1474-86	2.9	21
10	Microtubule dynamics depart from the wormlike chain model. <i>Physical Review Letters</i> , <b>2008</b> , 100, 028102	7.4	67
9	High-resolution three-dimensional imaging of large specimens with light sheet-based microscopy. <i>Nature Methods</i> , <b>2007</b> , 4, 311-3	21.6	261
8	Three-dimensional preparation and imaging reveal intrinsic microtubule properties. <i>Nature Methods</i> , <b>2007</b> , 4, 843-6	21.6	34
7	The third dimension bridges the gap between cell culture and live tissue. <i>Nature Reviews Molecular Cell Biology</i> , <b>2007</b> , 8, 839-45	48.7	1881
6	Life sciences require the third dimension. <i>Current Opinion in Cell Biology</i> , <b>2006</b> , 18, 117-24	9	72
5	Thermal fluctuations of grafted microtubules provide evidence of a length-dependent persistence length. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 10248-10253	11.5	280
4	Unified operator approach for deriving Hermite-Gaussian and Laguerre-Gaussian laser modes. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2004</b> , 21, 1553-8	1.8	56
3	The signal flow and motor response controlling chemotaxis of sea urchin sperm. <i>Nature Cell Biology</i> , <b>2003</b> , 5, 109-17	23.4	165
2	Time-resolved confocal scanning device for ultrasensitive fluorescence detection. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 4145-4152	1.7	70
1	Upgrading a Consumer Stereolithographic 3D Printer to Produce a Physiologically Relevant Model with Human Liver Cancer Organoids. <i>Advanced Materials Technologies</i> , 2200029	6.8	0