

Filippo Piccinini

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.

48
papers

1,281
citations

16
h-index

35
g-index

54
ext. papers

1,756
ext. citations

7.1
avg, IF

4.86
L-index

#	Paper	IF	Citations
48	Nucleus segmentation: towards automated solutions.. <i>Trends in Cell Biology</i> , 2022 ,	18.3	2
47	MISpheroid: a knowledgebase and transparency tool for minimum information in spheroid identity. <i>Nature Methods</i> , 2021 , 18, 1294-1303	21.6	4
46	Colour deconvolution: stain unmixing in histological imaging. <i>Bioinformatics</i> , 2021 , 37, 1485-1487	7.2	24
45	Silk Fibroin Nanoparticle Functionalization with Arg-Gly-Asp Cyclopentapeptide Promotes Active Targeting for Tumor Site-Specific Delivery. <i>Cancers</i> , 2021 , 13,	6.6	7
44	Regression plane concept for analysing continuous cellular processes with machine learning. <i>Nature Communications</i> , 2021 , 12, 2532	17.4	1
43	Reliability of Body Temperature Measurements Obtained with Contactless Infrared Point Thermometers Commonly Used during the COVID-19 Pandemic. <i>Sensors</i> , 2021 , 21,	3.8	8
42	Cell lines and clearing approaches: a single-cell level 3D light-sheet fluorescence microscopy dataset of multicellular spheroids. <i>Data in Brief</i> , 2021 , 36, 107090	1.2	2
41	A quantitative metric for the comparative evaluation of optical clearing protocols for 3D multicellular spheroids. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 1233-1243	6.8	2
40	The potential role of MR based radiomic biomarkers in the characterization of focal testicular lesions. <i>Scientific Reports</i> , 2021 , 11, 3456	4.9	5
39	An annotated T2-weighted magnetic resonance image collection of testicular germ and non-germ cell tumors. <i>Scientific Data</i> , 2021 , 8, 209	8.2	
38	Effects of radiotherapy and short-term starvation combination on metastatic and non-tumor cell lines. <i>DNA Repair</i> , 2020 , 95, 102949	4.3	2
37	Software tools for 3D nuclei segmentation and quantitative analysis in multicellular aggregates. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 1287-1300	6.8	13
36	3D-Cell-Annotator: an open-source active surface tool for single-cell segmentation in 3D microscopy images. <i>Bioinformatics</i> , 2020 , 36, 2948-2949	7.2	8
35	Accuracy of Mobile Applications versus Wearable Devices in Long-Term Step Measurements. <i>Sensors</i> , 2020 , 20,	3.8	2
34	Cauliflower Mosaic Virus TAV, a Plant Virus Protein That Functions like Ribonuclease H1 and is Cytotoxic to Glioma Cells. <i>BioMed Research International</i> , 2020 , 2020, 7465242	3	1
33	Small extracellular vesicles convey the stress-induced adaptive responses of melanoma cells. <i>Scientific Reports</i> , 2019 , 9, 15329	4.9	29
32	Dendritic Cell Vaccination in Metastatic Melanoma Turns "Non-T Cell Inflamed" Into "T-Cell Inflamed" Tumors. <i>Frontiers in Immunology</i> , 2019 , 10, 2353	8.4	9

31	Open-Source Tools for Volume Estimation of 3D Multicellular Aggregates. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1616	2.6	1
30	Texture analysis in 177Lu SPECT phantom images: Statistical assessment of uniformity requirements using texture features. <i>PLoS ONE</i> , 2019 , 14, e0218814	3.7	2
29	Towards Consistent Data Representation in the IoT Healthcare Landscape 2018 ,		12
28	Advances in cancer modeling: fluidic systems for increasing representativeness of large 3D multicellular spheroids. <i>BioTechniques</i> , 2018 , 65, 312-314	2.5	4
27	Colour Vignetting Correction for Microscopy Image Mosaics Used for Quantitative Analyses. <i>BioMed Research International</i> , 2018 , 2018, 7082154	3	4
26	Concerns, challenges and promises of high-content analysis of 3D cellular models. <i>Nature Reviews Drug Discovery</i> , 2018 , 17, 606	64.1	46
25	Phenotypic Image Analysis Software Tools for Exploring and Understanding Big Image Data from Cell-Based Assays. <i>Cell Systems</i> , 2018 , 6, 636-653	10.6	49
24	A new holistic 3D non-invasive analysis of cellular distribution and motility on fibroin-alginate microcarriers using light sheet fluorescent microscopy. <i>PLoS ONE</i> , 2017 , 12, e0183336	3.7	13
23	Cell Counting and Viability Assessment of 2D and 3D Cell Cultures: Expected Reliability of the Trypan Blue Assay. <i>Biological Procedures Online</i> , 2017 , 19, 8	8.3	39
22	Advanced Cell Classifier: User-Friendly Machine-Learning-Based Software for Discovering Phenotypes in High-Content Imaging Data. <i>Cell Systems</i> , 2017 , 4, 651-655.e5	10.6	42
21	Characterization of Tumor Cells Using a Medical Wire for Capturing Circulating Tumor Cells: A 3D Approach Based on Immunofluorescence and DNA FISH. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
20	ReViMS: Software tool for estimating the volumes of 3-D multicellular spheroids imaged using a light sheet fluorescence microscope. <i>BioTechniques</i> , 2017 , 63, 227-229	2.5	10
19	Single-image based methods used for non-invasive volume estimation of cancer spheroids: a practical assessing approach based on entry-level equipment. <i>Computer Methods and Programs in Biomedicine</i> , 2016 , 135, 51-60	6.9	9
18	3D tumor spheroid models for in vitro therapeutic screening: a systematic approach to enhance the biological relevance of data obtained. <i>Scientific Reports</i> , 2016 , 6, 19103	4.9	54 ^o
17	CellTracker (not only) for dummies. <i>Bioinformatics</i> , 2016 , 32, 955-7	7.2	65
16	Long term morphological characterization of mesenchymal stromal cells 3D spheroids built with a rapid method based on entry-level equipment. <i>Cytotechnology</i> , 2016 , 68, 2479-2490	2.2	19
15	Cancer multicellular spheroids: volume assessment from a single 2D projection. <i>Computer Methods and Programs in Biomedicine</i> , 2015 , 118, 95-106	6.9	34
14	CIDRE: an illumination-correction method for optical microscopy. <i>Nature Methods</i> , 2015 , 12, 404-6	21.6	89

13	AnaSP: a software suite for automatic image analysis of multicellular spheroids. <i>Computer Methods and Programs in Biomedicine</i> , 2015 , 119, 43-52	6.9	32
12	Improving reliability of live/dead cell counting through automated image mosaicing. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 117, 448-63	6.9	13
11	Semi-quantitative monitoring of confluence of adherent mesenchymal stromal cells on calcium-phosphate granules by using widefield microscopy images. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 2395-410	4.5	6
10	Automated image mosaics by non-automated light microscopes: the MicroMos software tool. <i>Journal of Microscopy</i> , 2013 , 252, 226-50	1.9	23
9	Vignetting and photo-bleaching correction in automated fluorescence microscopy from an array of overlapping images 2013 ,		5
8	Protein kinase B/AKT isoform 2 drives migration of human mesenchymal stem cells. <i>International Journal of Oncology</i> , 2013 , 42, 118-26	4.4	22
7	Multi-image based method to correct vignetting effect in light microscopy images. <i>Journal of Microscopy</i> , 2012 , 248, 6-22	1.9	30
6	Extended depth of focus in optical microscopy: assessment of existing methods and a new proposal. <i>Microscopy Research and Technique</i> , 2012 , 75, 1582-92	2.8	17
5	An incremental method for mosaicing of optical microscope imagery 2011 ,		8
4	Mosaicing of optical microscope imagery based on visual information. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6162-5	0.9	8
3	Illumination field estimation through background detection in optical microscopy 2011 ,		7
2	Vignetting correction by exploiting an optical microscopy image sequence. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6166-9	0.9	8
1	Heterogeneous self-tracked health and fitness data integration and sharing according to a linked open data approach. <i>Computing (Vienna/New York)</i> ,1	2.2	1