

Lassi Paavolainen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,649
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

3314
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-analysis strategies for image-based cell profiling. <i>Nature Methods</i> , 2017, 14, 849-863.	19.0	535
2	BioImageXD: an open, general-purpose and high-throughput image-processing platform. <i>Nature Methods</i> , 2012, 9, 683-689.	19.0	182
3	nucleAIzer: A Parameter-free Deep Learning Framework for Nucleus Segmentation Using Image Style Transfer. <i>Cell Systems</i> , 2020, 10, 453-458.e6.	6.2	163
4	Systems pathology by multiplexed immunohistochemistry and whole-slide digital image analysis. <i>Scientific Reports</i> , 2017, 7, 15580.	3.3	120
5	Association of tamoxifen resistance and lipid reprogramming in breast cancer. <i>BMC Cancer</i> , 2018, 18, 850.	2.6	113
6	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.	6.2	77
7	Comprehensive Drug Testing of Patient-derived Conditionally Reprogrammed Cells from Castration-resistant Prostate Cancer. <i>European Urology</i> , 2017, 71, 319-327.	1.9	74
8	Intelligent image-based in situ single-cell isolation. <i>Nature Communications</i> , 2018, 9, 226.	12.8	72
9	ADC measurements in diffuse large B-cell lymphoma and follicular lymphoma: a DWI and cellularity study. <i>European Journal of Radiology</i> , 2013, 82, e158-e164.	2.6	54
10	UNC-45a promotes myosin folding and stress fiber assembly. <i>Journal of Cell Biology</i> , 2017, 216, 4053-4072.	5.2	40
11	A functional genetic screen defines the AKT-induced senescence signaling network. <i>Cell Death and Differentiation</i> , 2020, 27, 725-741.	11.2	40
12	Nucleus segmentation: towards automated solutions. <i>Trends in Cell Biology</i> , 2022, 32, 295-310.	7.9	31
13	Compensation of Missing Wedge Effects with Sequential Statistical Reconstruction in Electron Tomography. <i>PLoS ONE</i> , 2014, 9, e108978.	2.5	29
14	BIAFLOWS: A Collaborative Framework to Reproducibly Deploy and Benchmark Bioimage Analysis Workflows. <i>Patterns</i> , 2020, 1, 100040.	5.9	25
15	Spatial immunoprofiling of the intratumoral and peritumoral tissue of renal cell carcinoma patients. <i>Modern Pathology</i> , 2021, 34, 2229-2241.	5.5	25
16	Calpains promote β_1 integrin turnover in nonrecycling integrin pathway. <i>Molecular Biology of the Cell</i> , 2012, 23, 448-463.	2.1	23
17	Ellagitannin-rich cloudberry inhibits hepatocyte growth factor induced cell migration and phosphatidylinositol 3-kinase/AKT activation in colon carcinoma cells and tumors in Min mice. <i>Oncotarget</i> , 2016, 7, 43907-43923.	1.8	10
18	Echovirus 1 internalization negatively regulates epidermal growth factor receptor downregulation. <i>Cellular Microbiology</i> , 2017, 19, e12671.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Combining High-Content Imaging and Phenotypic Classification Analysis of Senescence-Associated Beta-Galactosidase Staining to Identify Regulators of Oncogene-Induced Senescence. Assay and Drug Development Technologies, 2016, 14, 416-428.	1.2	8
20	Regression plane concept for analysing continuous cellular processes with machine learning. Nature Communications, 2021, 12, 2532.	12.8	8
21	Permeability Changes of Integrin-Containing Multivesicular Structures Triggered by Picornavirus Entry. PLoS ONE, 2014, 9, e108948.	2.5	5
22	Quantitative Analysis of Dynamic Association in Live Biological Fluorescent Samples. PLoS ONE, 2014, 9, e94245.	2.5	3
23	Multiparametric platform for profiling lipid trafficking in human leukocytes. Cell Reports Methods, 2022, 2, 100166.	2.9	3