

Assaf Zaritsky

List of Publications by Citations

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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.

32
papers

558
citations

13
h-index

23
g-index

39
ext. papers

773
ext. citations

8
avg, IF

3.93
L-index

#	Paper	IF	Citations
32	Vimentin Intermediate Filaments Template Microtubule Networks to Enhance Persistence in Cell Polarity and Directed Migration. <i>Cell Systems</i> , 2016 , 3, 252-263.e8	10.6	99
31	Ferroptosis occurs through an osmotic mechanism and propagates independently of cell rupture. <i>Nature Cell Biology</i> , 2020 , 22, 1042-1048	23.4	68
30	Seeds of Locally Aligned Motion and Stress Coordinate a Collective Cell Migration. <i>Biophysical Journal</i> , 2015 , 109, 2492-2500	2.9	41
29	The metastatic microenvironment: Claudin-1 suppresses the malignant phenotype of melanoma brain metastasis. <i>International Journal of Cancer</i> , 2015 , 136, 1296-307	7.5	36
28	Propagating waves of directionality and coordination orchestrate collective cell migration. <i>PLoS Computational Biology</i> , 2014 , 10, e1003747	5	36
27	Cell motility dynamics: a novel segmentation algorithm to quantify multi-cellular bright field microscopy images. <i>PLoS ONE</i> , 2011 , 6, e27593	3.7	31
26	The motility-proliferation-metabolism interplay during metastatic invasion. <i>Scientific Reports</i> , 2015 , 5, 13538	4.9	29
25	Diverse roles of guanine nucleotide exchange factors in regulating collective cell migration. <i>Journal of Cell Biology</i> , 2017 , 216, 1543-1556	7.3	25
24	Emergence of HGF/SF-induced coordinated cellular motility. <i>PLoS ONE</i> , 2012 , 7, e44671	3.7	24
23	Feedback inhibition of actin on Rho mediates content release from large secretory vesicles. <i>Journal of Cell Biology</i> , 2018 , 217, 1815-1826	7.3	22
22	Quantitative Live Imaging of Human Embryonic Stem Cell Derived Neural Rosettes Reveals Structure-Function Dynamics Coupled to Cortical Development. <i>PLoS Computational Biology</i> , 2015 , 11, e1004453	5	19
21	Coalescing replication compartments provide the opportunity for recombination between coinfecting herpesviruses. <i>FASEB Journal</i> , 2019 , 33, 9388-9403	0.9	17
20	. <i>IEEE Transactions on Evolutionary Computation</i> , 2004 , 8, 443-455	15.6	14
19	Decoupling global biases and local interactions between cell biological variables. <i>ELife</i> , 2017 , 6,	8.9	12
18	Sharing and reusing cell image data. <i>Molecular Biology of the Cell</i> , 2018 , 29, 1274-1280	3.5	10
17	Interpretable deep learning of label-free live cell images uncovers functional hallmarks of highly-metastatic melanoma		10
16	Coevolving solutions to the shortest common superstring problem. <i>BioSystems</i> , 2004 , 76, 209-16	1.9	9

15	Community standards for open cell migration data. <i>GigaScience</i> , 2020 , 9,	7.6	9
14	Interpretable deep learning uncovers cellular properties in label-free live cell images that are predictive of highly metastatic melanoma. <i>Cell Systems</i> , 2021 , 12, 733-747.e6	10.6	9
13	Benchmark for multi-cellular segmentation of bright field microscopy images. <i>BMC Bioinformatics</i> , 2013 , 14, 319	3.6	8
12	Live time-lapse dataset of in vitro wound healing experiments. <i>GigaScience</i> , 2015 , 4, 8	7.6	5
11	Data science in cell imaging. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	4
10	Cytokinetic abscission is part of the midblastula transition in early zebrafish embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
9	Differential dynamics of early stages of platelet adhesion and spreading on collagen IV- and fibrinogen-coated surfaces. <i>F1000Research</i> , 2020 , 9,	3.6	3
8	Community Standards for Open Cell Migration Data		3
7	Cell biologists should specialize, not hybridize. <i>Nature</i> , 2016 , 535, 325	50.4	3
6	ERK1/2 inhibition promotes robust myotube growth via CaMKII activation resulting in myoblast-to-myotube fusion.. <i>Developmental Cell</i> , 2021 , 56, 3349-3363.e6	10.2	3
5	Differential dynamics of early stages of platelet adhesion and spreading on collagen IV- and fibrinogen-coated surfaces. <i>F1000Research</i> , 2020 , 9, 449	3.6	2
4	Decoupling global biases and local interactions between cell biological variables		1
3	Diverse roles of guanine nucleotide exchange factors in regulating collective cell migration		1
2	Challenges and Technological Trends Toward Improved Medical Imaging-based Predictive Data-mining. <i>EBioMedicine</i> , 2018 , 35, 20-21	8.8	
1	Teaching Computer Science in the Community. <i>Lecture Notes in Computer Science</i> , 2016 , 3-9	0.9	