

Mark R Winter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7745839/publications.pdf>

Version: 2024-02-01

19
papers

1,268
citations

840776

11
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

2181
citing authors

#	ARTICLE	IF	CITATIONS
1	LEVERSC: Cross-Platform Scriptable Multichannel 3-D Visualization for Fluorescence Microscopy Images. <i>Frontiers in Bioinformatics</i> , 2022, 2, .	2.1	1
2	Calcium-vesicles perform active diffusion in the sea urchin embryo during larval biomineralization. <i>PLoS Computational Biology</i> , 2021, 17, e1008780.	3.2	11
3	VEGF signaling activates the matrix metalloproteinases, MmpL7 and MmpL5 at the sites of active skeletal growth and MmpL7 regulates skeletal elongation. <i>Developmental Biology</i> , 2021, 473, 80-89.	2.0	18
4	Endothelial junctional membrane protrusions serve as hotspots for neutrophil transmigration. <i>ELife</i> , 2021, 10, .	6.0	20
5	The biological regulation of sea urchin larval skeletogenesis “From genes to biomineralized tissue. <i>Journal of Structural Biology</i> , 2021, 213, 107797.	2.8	12
6	Hydra image processor: 5-D GPU image analysis library with MATLAB and python wrappers. <i>Bioinformatics</i> , 2019, 35, 5393-5395.	4.1	13
7	Separating Touching Cells Using Pixel Replicated Elliptical Shape Models. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 883-893.	8.9	21
8	Non-monotonic Changes in Progenitor Cell Behavior and Gene Expression during Aging of the Adult V-SVZ Neural Stem Cell Niche. <i>Stem Cell Reports</i> , 2017, 9, 1931-1947.	4.8	39
9	LEVER: software tools for segmentation, tracking and lineaging of proliferating cells. <i>Bioinformatics</i> , 2016, 32, 3530-3531.	4.1	46
10	Automated Measurement of Cobblestone Morphology for Characterizing Stem Cell Derived Retinal Pigment Epithelial Cell Cultures. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2016, 32, 331-339.	1.4	10
11	Measuring Process Dynamics and Nuclear Migration for Clones of Neural Progenitor Cells. <i>Lecture Notes in Computer Science</i> , 2016, 9913, 291-305.	1.3	3
12	Computational Image Analysis Reveals Intrinsic Multigenerational Differences between Anterior and Posterior Cerebral Cortex Neural Progenitor Cells. <i>Stem Cell Reports</i> , 2015, 5, 609-620.	4.8	27
13	Segmentation of occluded hematopoietic stem cells from tracking. , 2014, 2014, 5510-3.		6
14	Visualization and correction of automated segmentation, tracking and lineaging from 5-D stem cell image sequences. <i>BMC Bioinformatics</i> , 2014, 15, 328.	2.6	40
15	Multisensory interface for 5D stem cell image volumes. , 2014, 2014, 1178-81.		0
16	Objective comparison of particle tracking methods. <i>Nature Methods</i> , 2014, 11, 281-289.	19.0	805
17	Axonal transport analysis using Multitemporal Association Tracking. <i>International Journal of Computational Biology and Drug Design</i> , 2012, 5, 35.	0.3	38
18	Generation of Rab4-based transgenic lines for <i>in vivo</i> studies of endosome biology in zebrafish. <i>Developmental Dynamics</i> , 2011, 240, 2452-2465.	1.8	97

#	ARTICLE	IF	CITATIONS
19	Vertebrate neural stem cell segmentation, tracking and lineaging with validation and editing. Nature Protocols, 2011, 6, 1942-1952.	12.0	58