Mark R Winter

List of Publications by Year
in descending order

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	Objective comparison of particle tracking methods. Nature Methods, 2014, 11, 281-289.	19.0	805
2	Generation of Rab–based transgenic lines for <i>in vivo</i> studies of endosome biology in zebrafish. Developmental Dynamics, 2011, 240, 2452-2465.	1.8	97
3	Vertebrate neural stem cell segmentation, tracking and lineaging with validation and editing. Nature Protocols, 2011, 6, 1942-1952.	12.0	58
4	LEVER: software tools for segmentation, tracking and lineaging of proliferating cells. Bioinformatics, 2016, 32, 3530-3531.	4.1	46
5	Visualization and correction of automated segmentation, tracking and lineaging from 5-D stem cell image sequences. BMC Bioinformatics, 2014, 15, 328.	2.6	40
6	Non-monotonic Changes in Progenitor Cell Behavior and Gene Expression during Aging of the Adult V-SVZ Neural Stem Cell Niche. Stem Cell Reports, 2017, 9, 1931-1947.	4.8	39
7	Axonal transport analysis using Multitemporal Association Tracking. International Journal of Computational Biology and Drug Design, 2012, 5, 35.	0.3	38
8	Computational Image Analysis Reveals Intrinsic Multigenerational Differences between Anterior and Posterior Cerebral Cortex Neural Progenitor Cells. Stem Cell Reports, 2015, 5, 609-620.	4.8	27
9	Separating Touching Cells Using Pixel Replicated Elliptical Shape Models. IEEE Transactions on Medical Imaging, 2019, 38, 883-893.	8.9	21
10	Endothelial junctional membrane protrusions serve as hotspots for neutrophil transmigration. ELife, 2021, 10, .	6.0	20
11	VEGF signaling activates the matrix metalloproteinases, MmpL7 and MmpL5 at the sites of active skeletal growth and MmpL7 regulates skeletal elongation. Developmental Biology, 2021, 473, 80-89.	2.0	18
12	Hydra image processor: 5-D GPU image analysis library with MATLAB and python wrappers. Bioinformatics, 2019, 35, 5393-5395.	4.1	13
13	The biological regulation of sea urchin larval skeletogenesis – From genes to biomineralized tissue. Journal of Structural Biology, 2021, 213, 107797.	2.8	12
14	Calcium-vesicles perform active diffusion in the sea urchin embryo during larval biomineralization. PLoS Computational Biology, 2021, 17, e1008780.	3.2	11
15	Automated Measurement of Cobblestone Morphology for Characterizing Stem Cell Derived Retinal Pigment Epithelial Cell Cultures. Journal of Ocular Pharmacology and Therapeutics, 2016, 32, 331-339.	1.4	10
16	Segmentation of occluded hematopoietic stem cells from tracking. , 2014, 2014, 5510-3.		6
17	Measuring Process Dynamics and Nuclear Migration for Clones of Neural Progenitor Cells. Lecture Notes in Computer Science, 2016, 9913, 291-305.	1.3	3
18	LEVERSC: Cross-Platform Scriptable Multichannel 3-D Visualization for Fluorescence Microscopy Images. Frontiers in Bioinformatics, 2022, 2, .	2.1	1

#	Article	IF	Citations
19	Multisensory interface for 5D stem cell image volumes. , 2014, 2014, 1178-81.		0