

Dmitry V Sorokin

List of Publications by Year in descending order

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docs citations

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407
citing authors

#	ARTICLE	IF	CITATIONS
1	ANHIR: Automatic Non-Rigid Histological Image Registration Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 3042-3052.	5.4	75
2	Cell Tracking Accuracy Measurement Based on Comparison of Acyclic Oriented Graphs. PLoS ONE, 2015, 10, e0144959.	1.1	68
3	FiloGen: A Model-Based Generator of Synthetic 3-D Time-Lapse Sequences of Single Motile Cells With Growing and Branching Filopodia. IEEE Transactions on Medical Imaging, 2018, 37, 2630-2641.	5.4	27
4	Hybrid Detectors Improved Time-Lapse Confocal Microscopy of PML and 53BP1 Nuclear Body Colocalization in DNA Lesions. Microscopy and Microanalysis, 2013, 19, 360-369.	0.2	24
5	Coilin is rapidly recruited to UVA-induced DNA lesions and $\hat{1}^3$ -radiation affects localized movement of Cajal bodies. Nucleus, 2014, 5, 269-277.	0.6	22
6	Non-Rigid Contour-Based Registration of Cell Nuclei in 2-D Live Cell Microscopy Images Using a Dynamic Elasticity Model. IEEE Transactions on Medical Imaging, 2018, 37, 173-184.	5.4	21
7	3-D Quantification of Filopodia in Motile Cancer Cells. IEEE Transactions on Medical Imaging, 2019, 38, 862-872.	5.4	19
8	HP1 $\hat{1}^2$ -dependent recruitment of UBF1 to irradiated chromatin occurs simultaneously with CPDs. Epigenetics and Chromatin, 2014, 7, 39.	1.8	18
9	Gauss-Laguerre Keypoints Extraction Using Fast Hermite Projection Method. Lecture Notes in Computer Science, 2011, , 284-293.	1.0	14
10	Localized movement and morphology of UBF1-positive nucleolar regions are changed by $\hat{1}^3$ -irradiation in G2 phase of the cell cycle. Nucleus, 2015, 6, 301-313.	0.6	9
11	The GAR domain integrates functions that are necessary for the proper localization of fibrillarin (FBL) inside eukaryotic cells. PeerJ, 2020, 8, e9029.	0.9	9
12	Segmentation of actin-stained 3D fluorescent cells with filopodial protrusions using convolutional neural networks. , 2018, , .		8
13	Non-rigid contour-based temporal registration of 2D cell nuclei images using the Navier equation. , 2014, , .		7
14	Localized Movement and Levels of 53BP1 Protein Are Changed by $\hat{1}^3$ €rradiation in PML Deficient Cells. Journal of Cellular Biochemistry, 2016, 117, 2583-2596.	1.2	7
15	RNA-dependent disassembly of nuclear bodies. Journal of Cell Science, 2016, 129, 4509-4520.	1.2	7
16	Model-based generation of synthetic 3D time-lapse sequences of motile cells with growing filopodia. , 2017, , .		5
17	Correlation-based 2D registration method for single particle cryo-EM images. , 2017, , .		5
18	Advanced Image Acquisition and Analytical Techniques for Studies of Living Cells and Tissue Sections. Microscopy and Microanalysis, 2016, 22, 326-341.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Toward Robust Fully 3D Filopodium Segmentation and Tracking in Time-Lapse Fluorescence Microscopy. , 2019, , .		3
20	A Method for Automatic Tracking of Cell Nuclei With Weakly-Supervised Mitosis Detection in 2D Microscopy Image Sequences. , 2020, , .		3
21	Gauss-Laguerre keypoints descriptors for color images. , 2011, , .		2
22	Use of Color Information for Keypoints Detection and Descriptors Construction. Lecture Notes in Computer Science, 2012, , 389-396.	1.0	2
23	A Method for Automatic Tracking of Cell Nuclei in 2D Epifluorescence Microscopy Image Sequences. , 2018, , .		2
24	Heterochromatin restricts the mobility of nuclear bodies. Chromosoma, 2018, 127, 529-537.	1.0	2
25	Model-Based Generation of Synthetic 3D Time-Lapse Sequences of Multiple Mutually Interacting Motile Cells with Filopodia. Lecture Notes in Computer Science, 2018, , 71-79.	1.0	2
26	Live-Cell Imaging and Analysis of Nuclear Body Mobility. Methods in Molecular Biology, 2020, 2175, 1-9.	0.4	2
27	Automatic detection of laser-induced structures in live cell fluorescent microscopy images using snakes with geometric constraints. , 2016, , .		1
28	Weak supervision using cell tracking annotation and image registration improves cell segmentation. , 2022, , .		1