

Oleh Dzyubachyk

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.

43
papers

2,079
citations

14
h-index

45
g-index

50
ext. papers

2,669
ext. citations

5.4
avg, IF

4.82
L-index

#	Paper	IF	Citations
43	Methods for cell and particle tracking. <i>Methods in Enzymology</i> , 2012 , 504, 183-200	1.7	893
42	A benchmark for comparison of cell tracking algorithms. <i>Bioinformatics</i> , 2014 , 30, 1609-17	7.2	262
41	An objective comparison of cell-tracking algorithms. <i>Nature Methods</i> , 2017 , 14, 1141-1152	21.6	242
40	Advanced level-set-based cell tracking in time-lapse fluorescence microscopy. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 852-67	11.7	188
39	Tracking in cell and developmental biology. <i>Seminars in Cell and Developmental Biology</i> , 2009 , 20, 894-902	7.5	169
38	Automated analysis of time-lapse fluorescence microscopy images: from live cell images to intracellular foci. <i>Bioinformatics</i> , 2010 , 26, 2424-30	7.2	34
37	Advanced level-set based multiple-cell segmentation and tracking in time-lapse fluorescence microscopy images 2008 ,		27
36	Clinically relevant timing of antenatal sildenafil treatment reduces pulmonary vascular remodeling in congenital diaphragmatic hernia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 311, L734-L742	5.8	23
35	Comprehensive single cell-resolution analysis of the role of chromatin regulators in early <i>C. elegans</i> embryogenesis. <i>Developmental Biology</i> , 2015 , 398, 153-62	3.1	21
34	Correction of lung inflammation in a F508del CFTR murine cystic fibrosis model by the sphingosine-1-phosphate lyase inhibitor LX2931. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 311, L1000-L1014	5.8	21
33	Fully-automatic left ventricular segmentation from long-axis cardiac cine MR scans. <i>Medical Image Analysis</i> , 2017 , 39, 44-55	15.4	20
32	Treatment of rat congenital diaphragmatic hernia with sildenafil and NS-304, selexipag, or active compound, at the pseudoglandular stage improves lung vasculature. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 315, L276-L285	5.8	16
31	Extracellular matrix defects in aneurysmal Fibulin-4 mice predispose to lung emphysema. <i>PLoS ONE</i> , 2014 , 9, e106054	3.7	15
30	Time-Lapse Imaging 2008 , 401-440		15
29	Iron loading is a prominent feature of activated microglia in Alzheimer's disease patients. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 27	7.3	14
28	Automated Ischemic Lesion Segmentation in MRI Mouse Brain Data after Transient Middle Cerebral Artery Occlusion. <i>Frontiers in Neuroinformatics</i> , 2017 , 11, 3	3.9	11
27	Fast multistation water/fat imaging at 3T using DREAM-based RF shimming. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 217-23	5.6	10

26	The effect of mirabegron on energy expenditure and brown adipose tissue in healthy lean South Asian and European men. <i>Diabetes, Obesity and Metabolism</i> , 2020 , 22, 2032-2044	6.7	9
25	Human Brown Adipose Tissue Estimated With Magnetic Resonance Imaging Undergoes Changes in Composition After Cold Exposure: An MRI Study in Healthy Volunteers. <i>Frontiers in Endocrinology</i> , 2019 , 10, 898	5.7	9
24	A VARIATIONAL MODEL FOR LEVEL-SET BASED CELL TRACKING IN TIME-LAPSE FLUORESCENCE MICROSCOPY IMAGES 2007 ,		9
23	Automated algorithm for reconstruction of the complete spine from multistation 7T MR data. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 1777-86	4.4	8
22	Inter-station intensity standardization for whole-body MR data. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 422-433	4.4	8
21	Super-resolution reconstruction of late gadolinium-enhanced MRI for improved myocardial scar assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 160-7	5.6	8
20	Automated Cardiovascular Segmentation in Patients with Congenital Heart Disease from 3D CMR Scans: Combining Multi-atlases and Level-Sets. <i>Lecture Notes in Computer Science</i> , 2017 , 147-155	0.9	8
19	Co-expression Patterns between and Coincide with Brain Regions Affected in Huntington's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 399	6.1	7
18	Automated extraction and labelling of the arterial tree from whole-body MRA data. <i>Medical Image Analysis</i> , 2015 , 24, 28-40	15.4	7
17	Comparative exploration of whole-body MR through locally rigid transforms. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013 , 8, 635-47	3.9	4
16	MRI Mouse Brain Data of Ischemic Lesion after Transient Middle Cerebral Artery Occlusion. <i>Frontiers in Neuroinformatics</i> , 2017 , 11, 51	3.9	3
15	Joint intensity inhomogeneity correction for whole-body MR data. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 106-13	0.9	3
14	Increased Mortality and Vascular Phenotype in a Knock-In Mouse Model of Retinal Vasculopathy With Cerebral Leukoencephalopathy and Systemic Manifestations. <i>Stroke</i> , 2020 , 51, 300-307	6.7	3
13	Computer-aided evaluation of inflammatory changes over time on MRI of the spine in patients with suspected axial spondyloarthritis: a feasibility study. <i>BMC Medical Imaging</i> , 2017 , 17, 55	2.9	2
12	Super-resolution reconstruction of whole-body MRI mouse data: An interactive approach 2012 ,		2
11	Interactive local super-resolution reconstruction of whole-body MRI mouse data: a pilot study with applications to bone and kidney metastases. <i>PLoS ONE</i> , 2014 , 9, e108730	3.7	2
10	Cingulate networks associated with gray matter loss in Parkinson's disease show high expression of cholinergic genes in the healthy brain. <i>European Journal of Neuroscience</i> , 2021 , 53, 3727-3739	3.5	2
9	Histogram-based standardization of intravascular optical coherence tomography images acquired from different imaging systems. <i>Medical Physics</i> , 2018 , 45, 4158	4.4	1

8	Comparative Analysis of Magnetic Resonance Fingerprinting Dictionaries via Dimensionality Reduction. <i>Lecture Notes in Computer Science</i> , 2019 , 44-52	0.9	1
7	Improved myocardial scar characterization by super-resolution reconstruction in late gadolinium enhanced MRI. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 147-54	0.9	1
6	Potential associations between immune signaling genes, deactivated microglia, and oligodendrocytes and cortical gray matter loss in patients with long-term remitted Cushing's disease. <i>Psychoneuroendocrinology</i> , 2021 , 132, 105334	5	1
5	Molecular characterization of the stress network in individuals at risk for schizophrenia. <i>Neurobiology of Stress</i> , 2021 , 14, 100307	7.6	0
4	Transcriptomic Signatures Associated With Regional Cortical Thickness Changes in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2021 , 15, 733501	5.1	0
3	Biosensor for deconvolution of individual cell fate in response to ion beam irradiation. <i>Cell Reports Methods</i> , 2022 , 2, 100169		0
2	Stochastic neighbor embedding as a tool for visualizing the encoding capability of magnetic resonance fingerprinting dictionaries. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021 , 1	2.8	
1	On the ability to exploit signal fluctuations in pseudocontinuous arterial spin labeling for inferring the major flow territories from a traditional perfusion scan. <i>NeuroImage</i> , 2021 , 230, 117813	7.9	