

Oleh Dzyubachyk

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,942
citations

516710

16
h-index

315739

38
g-index

50
all docs

50
docs citations

50
times ranked

5008
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosensor for deconvolution of individual cell fate in response to ion beam irradiation. <i>Cell Reports Methods</i> , 2022, 2, 100169.	2.9	1
2	Iron loading is a prominent feature of activated microglia in Alzheimer's disease patients. <i>Acta Neuropathologica Communications</i> , 2021, 9, 27.	5.2	79
3	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.	4.2	0
4	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.	2.6	5
5	Molecular characterization of the stress network in individuals at risk for schizophrenia. <i>Neurobiology of Stress</i> , 2021, 14, 100307.	4.0	5
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.	2.7	6
7	Transcriptomic Signatures Associated With Regional Cortical Thickness Changes in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 733501.	2.8	2
8	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.	2.0	1
9	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.	2.0	5
10	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.	4.4	25
11	The Effect Of Mirabegron On Energy Expenditure, Brown Adipose Tissue And The Lipidomic Profile In Healthy Lean South Asian And White Caucasian Men. <i>Atherosclerosis</i> , 2019, 287, e279.	0.8	1
12	Human Brown Adipose Tissue Estimated With Magnetic Resonance Imaging Undergoes Changes in Composition After Cold Exposure: An in vivo MRI Study in Healthy Volunteers. <i>Frontiers in Endocrinology</i> , 2019, 10, 898.	3.5	17
13	Treatment of rat congenital diaphragmatic hernia with sildenafil and NS-304, selexipag's active compound, at the pseudoglandular stage improves lung vasculature. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L276-L285.	2.9	22
14	Histogram-based standardization of intravascular optical coherence tomography images acquired from different imaging systems. <i>Medical Physics</i> , 2018, 45, 4158-4170.	3.0	1
15	Fully-automatic left ventricular segmentation from long-axis cardiac cine MR scans. <i>Medical Image Analysis</i> , 2017, 39, 44-55.	11.6	23
16	An objective comparison of cell-tracking algorithms. <i>Nature Methods</i> , 2017, 14, 1141-1152.	19.0	399
17	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.	2.7	2
18	Interstation intensity standardization for whole-body MR data. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 422-433.	3.0	11

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19	Automated Ischemic Lesion Segmentation in MRI Mouse Brain Data after Transient Middle Cerebral Artery Occlusion. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 3.	2.5	27
20	MRI Mouse Brain Data of Ischemic Lesion after Transient Middle Cerebral Artery Occlusion. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 51.	2.5	9
21	Co-expression Patterns between ATN1 and ATXN2 Coincide with Brain Regions Affected in Huntingtonâ€™s Disease. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 399.	2.9	9
22	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.	1.3	11
23	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.	2.9	26
24	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.	2.9	32
25	Fast multistation water/fat imaging at 3T using DREAM-based RF shimming. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 217-223.	3.4	12
26	Super-resolution reconstruction of late gadolinium-enhanced MRI for improved myocardial scar assessment. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 160-167.	3.4	14
27	Automated extraction and labelling of the arterial tree from whole-body MRA data. <i>Medical Image Analysis</i> , 2015, 24, 28-40.	11.6	8
28	Comprehensive single cell-resolution analysis of the role of chromatin regulators in early <i>C. elegans</i> embryogenesis. <i>Developmental Biology</i> , 2015, 398, 153-162.	2.0	24
29	A benchmark for comparison of cell tracking algorithms. <i>Bioinformatics</i> , 2014, 30, 1609-1617.	4.1	345
30	Extracellular Matrix Defects in Aneurysmal Fibulin-4 Mice Predispose to Lung Emphysema. <i>PLoS ONE</i> , 2014, 9, e106054.	2.5	17
31	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.	2.5	3
32	Automated algorithm for reconstruction of the complete spine from multistation 7T MR data. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1777-1786.	3.0	10
33	Comparative exploration of whole-body MR through locally rigid transforms. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 635-647.	2.8	5
34	Improved Myocardial Scar Characterization by Super-Resolution Reconstruction in Late Gadolinium Enhanced MRI. <i>Lecture Notes in Computer Science</i> , 2013, 16, 147-154.	1.3	2
35	Joint Intensity Inhomogeneity Correction for Whole-Body MR Data. <i>Lecture Notes in Computer Science</i> , 2013, 16, 106-113.	1.3	3
36	Super-resolution reconstruction of whole-body MRI mouse data: An interactive approach. , 2012, , .		4

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37	Methods for Cell and Particle Tracking. <i>Methods in Enzymology</i> , 2012, 504, 183-200.	1.0	1,217
38	Advanced Level-Set-Based Cell Tracking in Time-Lapse Fluorescence Microscopy. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 852-867.	8.9	239
39	Automated analysis of time-lapse fluorescence microscopy images: from live cell images to intracellular foci. <i>Bioinformatics</i> , 2010, 26, 2424-2430.	4.1	38
40	Tracking in cell and developmental biology. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 894-902.	5.0	213
41	Advanced level-set based multiple-cell segmentation and tracking in time-lapse fluorescence microscopy images. , 2008, , .		34
42	Time-lapse Imaging. , 2008, , 401-440.		21
43	A VARIATIONAL MODEL FOR LEVEL-SET BASED CELL TRACKING IN TIME-LAPSE FLUORESCENCE MICROSCOPY IMAGES. , 2007, , .		12
44	Development of Next Generation Biomedical Sensor for Single Cell Four Dimensional Tracing of Cellular Response to Ion Beam Irradiation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0