

Timo Dickscheid

List of Publications by Year in Descending Order

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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.

33
papers

771
citations

9
h-index

27
g-index

37
ext. papers

1,105
ext. citations

6.6
avg. IF

3.52
L-index

#	Paper	IF	Citations
33	Contour proposal networks for biomedical instance segmentation.. <i>Medical Image Analysis</i> , 2022 , 77, 102371	15.4	2
32	Brain simulation as a cloud service: The Virtual Brain on EBRAINS.. <i>NeuroImage</i> , 2022 , 118973	7.9	4
31	Contrastive Representation Learning For Whole Brain Cytoarchitectonic Mapping In Histological Human Brain Sections 2021 ,		1
30	Deep Learning-Supported Cytoarchitectonic Mapping of the Human Lateral Geniculate Body in the BigBrain. <i>Lecture Notes in Computer Science</i> , 2021 , 22-32	0.9	1
29	2D Histology Meets 3D Topology: Cytoarchitectonic Brain Mapping with Graph Neural Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 395-404	0.9	1
28	A High-Resolution Model of the Human Entorhinal Cortex in the BigBrain Use Case for Machine Learning and 3D Analyses. <i>Lecture Notes in Computer Science</i> , 2021 , 3-21	0.9	1
27	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. <i>ELife</i> , 2021 , 10,	8.9	5
26	Convolutional neural networks for cytoarchitectonic brain mapping at large scale. <i>NeuroImage</i> , 2021 , 240, 118327	7.9	4
25	Deep learning networks reflect cytoarchitectonic features used in brain mapping. <i>Scientific Reports</i> , 2020 , 10, 22039	4.9	3
24	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices. <i>PLoS Biology</i> , 2020 , 18, e3000678	9.7	44
23	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices 2020 , 18, e3000678		
22	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices 2020 , 18, e3000678		
21	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices 2020 , 18, e3000678		
20	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices 2020 , 18, e3000678		
19	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices 2020 , 18, e3000678		
18	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices 2020 , 18, e3000678		
17	IO Challenges for Human Brain Atlas Using Deep Learning Methods - An In-Depth Analysis 2019 ,		2

16	Towards 3D Reconstruction of Neuronal Cell Distributions from Histological Human Brain Sections. <i>Advances in Parallel Computing</i> , 2019 ,	1.1	2
15	Improving Cytoarchitectonic Segmentation of Human Brain Areas with Self-supervised Siamese Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 663-671	0.9	34
14	A framework based on sulcal constraints to align preterm, infant and adult human brain images acquired in vivo and post mortem. <i>Brain Structure and Function</i> , 2018 , 223, 4153-4168	4	13
13	Parcellation of visual cortex on high-resolution histological brain sections using convolutional neural networks 2017 ,		6
12	Morphing Image Masks for Stacked Histological Sections Using Laplace's Equation. <i>Informatik Aktuell</i> , 2016 , 146-151	0.3	1
11	BigBrain: an ultrahigh-resolution 3D human brain model. <i>Science</i> , 2013 , 340, 1472-5	33.3	407
10	A Trainable Markov Random Field for Low-Level Image Feature Matching with Spatial Relationships. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , 2013 , 2013, 269-283		1
9	Grundlagen der Morphometrie 2013 , 87-101		
8	Automatic identification of gray and white matter components in polarized light imaging. <i>NeuroImage</i> , 2012 , 59, 1338-47	7.9	15
7	Classification of ambiguous nerve fiber orientations in 3D polarized light imaging. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 206-13	0.9	4
6	High-resolution fiber tract reconstruction in the human brain by means of three-dimensional polarized light imaging. <i>Frontiers in Neuroinformatics</i> , 2011 , 5, 34	3.9	110
5	Coding Images with Local Features. <i>International Journal of Computer Vision</i> , 2011 , 94, 154-174	10.6	34
4	Detecting interpretable and accurate scale-invariant keypoints 2009 ,		51
3	Evaluating the Suitability of Feature Detectors for Automatic Image Orientation Systems. <i>Lecture Notes in Computer Science</i> , 2009 , 305-314	0.9	5
2	On the completeness of coding with image features 2009 ,		2
1	BigBrainWarp: Toolbox for integration of BigBrain 3D histology with multimodal neuroimaging		2