

# Timo Dickscheid

## 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.

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	BigBrain: an ultrahigh-resolution 3D human brain model. <i>Science</i> , <b>2013</b> , 340, 1472-5	33.3	407
32	High-resolution fiber tract reconstruction in the human brain by means of three-dimensional polarized light imaging. <i>Frontiers in Neuroinformatics</i> , <b>2011</b> , 5, 34	3.9	110
31	Detecting interpretable and accurate scale-invariant keypoints <b>2009</b> ,		51
30	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000678	9.7	44
29	Coding Images with Local Features. <i>International Journal of Computer Vision</i> , <b>2011</b> , 94, 154-174	10.6	34
28	Improving Cytoarchitectonic Segmentation of Human Brain Areas with Self-supervised Siamese Networks. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 663-671	0.9	34
27	Automatic identification of gray and white matter components in polarized light imaging. <i>NeuroImage</i> , <b>2012</b> , 59, 1338-47	7.9	15
26	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> , <b>2018</b> , 223, 4153-4168	4	13
25	Parcellation of visual cortex on high-resolution histological brain sections using convolutional neural networks <b>2017</b> ,		6
24	Evaluating the Suitability of Feature Detectors for Automatic Image Orientation Systems. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 305-314	0.9	5
23	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. <i>ELife</i> , <b>2021</b> , 10,	8.9	5
22	Brain simulation as a cloud service: The Virtual Brain on EBRAINS.. <i>NeuroImage</i> , <b>2022</b> , 118973	7.9	4
21	Classification of ambiguous nerve fiber orientations in 3D polarized light imaging. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 15, 206-13	0.9	4
20	Convolutional neural networks for cytoarchitectonic brain mapping at large scale. <i>NeuroImage</i> , <b>2021</b> , 240, 118327	7.9	4
19	Deep learning networks reflect cytoarchitectonic features used in brain mapping. <i>Scientific Reports</i> , <b>2020</b> , 10, 22039	4.9	3
18	IO Challenges for Human Brain Atlasing Using Deep Learning Methods - An In-Depth Analysis <b>2019</b> ,		2
17	Contour proposal networks for biomedical instance segmentation.. <i>Medical Image Analysis</i> , <b>2022</b> , 77, 102371	15.4	2

16	On the completeness of coding with image features <b>2009</b> ,		2
15	BigBrainWarp: Toolbox for integration of BigBrain 3D histology with multimodal neuroimaging		2
14	Towards 3D Reconstruction of Neuronal Cell Distributions from Histological Human Brain Sections. <i>Advances in Parallel Computing</i> , <b>2019</b> ,	1.1	2
13	A Trainable Markov Random Field for Low-Level Image Feature Matching with Spatial Relationships. <i>Photogrammetrie, Fernerkundung, Geoinformation</i> , <b>2013</b> , 2013, 269-283		1
12	Morphing Image Masks for Stacked Histological Sections Using Laplace's Equation. <i>Informatik Aktuell</i> , <b>2016</b> , 146-151	0.3	1
11	Contrastive Representation Learning For Whole Brain Cytoarchitectonic Mapping In Histological Human Brain Sections <b>2021</b> ,		1
10	Deep Learning-Supported Cytoarchitectonic Mapping of the Human Lateral Geniculate Body in the BigBrain. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 22-32	0.9	1
9	2D Histology Meets 3D Topology: Cytoarchitectonic Brain Mapping with Graph Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 395-404	0.9	1
8	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> , <b>2021</b> , 3-21	0.9	1
7	Grundlagen der Morphometrie <b>2013</b> , 87-101		
6	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices <b>2020</b> , 18, e3000678		
5	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices <b>2020</b> , 18, e3000678		
4	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices <b>2020</b> , 18, e3000678		
3	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices <b>2020</b> , 18, e3000678		
2	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices <b>2020</b> , 18, e3000678		
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