Stephan Saalfeld

List of Publications by Citations

Source: https://exaly.com/author-pdf/4361876/stephan-saalfeld-publications-by-citations.pdf
Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47 papers	32,724 citations	24 h-index	57 g-index
57 ext. papers	46,847 ext. citations	16.1 avg, IF	6.56 L-index

#	Paper	IF	Citations
47	Fiji: an open-source platform for biological-image analysis. *Nature Methods*, **2012**, 9, 676-82	21.6	27799
46	Globally optimal stitching of tiled 3D microscopic image acquisitions. *Bioinformatics*, **2009**, 25, 1463-5	7.2	1339
45	TrakEM2 software for neural circuit reconstruction. *PLoS ONE*, **2012**, 7, e38011	3.7	564
44	A Complete Electron Microscopy Volume of the Brain of Adult Drosophila melanogaster. *Cell*, **2018**, 174, 730-743.e22	56.2	393
43	Software for bead-based registration of selective plane illumination microscopy data. *Nature Methods*, **2010**, 7, 418-9	21.6	269
42	An integrated micro- and macroarchitectural analysis of the Drosophila brain by computer-assisted serial section electron microscopy. *PLoS Biology*, **2010**, 8, e1000502	9.7	247
41	CATMAID: collaborative annotation toolkit for massive amounts of image data. *Bioinformatics*, **2009**, 25, 1984-6	7.2	222
40	A connectome and analysis of the adult central brain. *ELife*, **2020**, 9,	8.9	213
39	Elastic volume reconstruction from series of ultra-thin microscopy sections. *Nature Methods*, **2012**, 9, 717-20	21.6	184
38	Quantitative neuroanatomy for connectomics in Drosophila. *ELife*, **2016**, 5,	8.9	182
37	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. *Science*, **2019**, 363,	33.3	181
36	Whole-brain serial-section electron microscopy in larval zebrafish. *Nature*, **2017**, 545, 345-349	50.4	172
35	BigDataViewer: visualization and processing for large image data sets. *Nature Methods*, **2015**, 12, 481-3	21.6	171
34	As-rigid-as-possible mosaicking and serial section registration of large ssTEM datasets. *Bioinformatics*, **2010**, 26, i57-63	7.2	100
33	Systematic imaging reveals features and changing localization of mRNAs in Drosophila development. *ELife*, **2015**, 4,	8.9	95
32	ImgLib2--generic image processing in Java. *Bioinformatics*, **2012**, 28, 3009-11	7.2	89
31	Large Scale Image Segmentation with Structured Loss Based Deep Learning for Connectome Reconstruction. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2019**, 41, 1669-1680	13.3	76

30	Identifying neuronal lineages of Drosophila by sequence analysis of axon tracts. *Journal of Neuroscience*, **2010**, 30, 7538-53	6.6	46
29	A Connectome of the Adult Drosophila Central Brain		46
28	Robust registration of calcium images by learned contrast synthesis **2016**,		42
27	To the Cloud! A Grassroots Proposal to Accelerate Brain Science Discovery. *Neuron*, **2016**, 92, 622-627	13.9	34
26	Synaptic Cleft Segmentation in Non-isotropic Volume Electron Microscopy of the Complete Drosophila Brain. *Lecture Notes in Computer Science*, **2018**, 317-325	0.9	26
25	An unbiased template of the Drosophila brain and ventral nerve cord. *PLoS ONE*, **2020**, 15, e0236495	3.7	24
24	A Complete Electron Microscopy Volume Of The Brain Of Adult Drosophila melanogaster		24
23	Automatic detection of synaptic partners in a whole-brain Drosophila electron microscopy data set. *Nature Methods*, **2021**, 18, 771-774	21.6	24
22	Quantitative neuroanatomy for connectomics in Drosophila		22
21	PreMosa: extracting 2D surfaces from 3D microscopy mosaics. *Bioinformatics*, **2017**, 33, 2563-2569	7.2	19
20	Automatic Detection of Synaptic Partners in a Whole-Brain Drosophila EM Dataset		17
19	An unbiased template of theDrosophilabrain and ventral nerve cord		15
18	Whole-cell organelle segmentation in volume electron microscopy. *Nature*, **2021**, 599, 141-146	50.4	13
17	Bead-based mosaicing of single plane illumination microscopy images using geometric local descriptor matching **2009**,		11
16	A Connectome and Analysis of the Adult Drosophila Central Brain		10
15	Drosophila brain development: closing the gap between a macroarchitectural and microarchitectural approach. *Cold Spring Harbor Symposia on Quantitative Biology*, **2009**, 74, 235-48	3.9	9
14	Automatic whole cell organelle segmentation in volumetric electron microscopy		6
13	Computational methods for stitching, alignment, and artifact correction of serial section data. *Methods in Cell Biology*, **2019**, 152, 261-276	1.8	5

12	EASI-FISH for thick tissue defines lateral hypothalamus spatio-molecular organization. *Cell*, **2021**,	56.2	5
11	Post-acquisition image based compensation for thickness variation in microscopy section series **2015**,		4
10	Image-based correction of continuous and discontinuous non-planar axial distortion in serial section microscopy. *Bioinformatics*, **2017**, 33, 1379-1386	7.2	4
9	Author response: A connectome and analysis of the adult Drosophila central brain **2020**,		3
8	Local Shape Descriptors for Neuron Segmentation		3
7	Rapid reconstruction of neural circuits using tissue expansion and lattice light sheet microscopy		1
6	Cortical Column and Whole Brain Imaging of Neural Circuits with Molecular Contrast and Nanoscale Resolution		1
5	Expansion-Assisted Iterative-FISH defines lateral hypothalamus spatio-molecular organization		1
4	An unbiased template of the Drosophila brain and ventral nerve cord **2020**, 15, e0236495		
3	An unbiased template of the Drosophila brain and ventral nerve cord **2020**, 15, e0236495		
2	An unbiased template of the Drosophila brain and ventral nerve cord **2020**, 15, e0236495		
1	An unbiased template of the Drosophila brain and ventral nerve cord **2020**, 15, e0236495		