

Stephan Preibisch

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

54,041
citations

236833

25
h-index

315616

38
g-index

54
all docs

54
docs citations

54
times ranked

92386
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiji: an open-source platform for biological-image analysis. <i>Nature Methods</i> , 2012, 9, 676-682.	9.0	47,818
2	Globally optimal stitching of tiled 3D microscopic image acquisitions. <i>Bioinformatics</i> , 2009, 25, 1463-1465.	1.8	1,970
3	TrakEM2 Software for Neural Circuit Reconstruction. <i>PLoS ONE</i> , 2012, 7, e38011.	1.1	832
4	Gene expression divergence recapitulates the developmental hourglass model. <i>Nature</i> , 2010, 468, 811-814.	13.7	364
5	Software for bead-based registration of selective plane illumination microscopy data. <i>Nature Methods</i> , 2010, 7, 418-419.	9.0	354
6	OpenSPIM: an open-access light-sheet microscopy platform. <i>Nature Methods</i> , 2013, 10, 598-599.	9.0	312
7	An Integrated Micro- and Macroarchitectural Analysis of the <i>Drosophila</i> Brain by Computer-Assisted Serial Section Electron Microscopy. <i>PLoS Biology</i> , 2010, 8, e1000502.	2.6	308
8	BigDataViewer: visualization and processing for large image data sets. <i>Nature Methods</i> , 2015, 12, 481-483.	9.0	256
9	Efficient Bayesian-based multiview deconvolution. <i>Nature Methods</i> , 2014, 11, 645-648.	9.0	232
10	Global Analysis of Nascent RNA Reveals Transcriptional Pausing in Terminal Exons. <i>Molecular Cell</i> , 2010, 40, 571-581.	4.5	218
11	BigStitcher: reconstructing high-resolution image datasets of cleared and expanded samples. <i>Nature Methods</i> , 2019, 16, 870-874.	9.0	214
12	Multi-view light-sheet imaging and tracking with the MaMuT software reveals the cell lineage of a direct developing arthropod limb. <i>ELife</i> , 2018, 7, .	2.8	134
13	ImgLib2â€”generic image processing in Java. <i>Bioinformatics</i> , 2012, 28, 3009-3011.	1.8	132
14	Light sheet fluorescence microscopy. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	105
15	Specific and Nonspecific Hybridization of Oligonucleotide Probes on Microarrays. <i>Biophysical Journal</i> , 2005, 89, 337-352.	0.2	61
16	Oscillations of MyoD and Hes1 proteins regulate the maintenance of activated muscle stem cells. <i>Genes and Development</i> , 2019, 33, 524-535.	2.7	60
17	Planar cell polarity signalling regulates cell adhesion properties in progenitors of the zebrafish laterality organ. <i>Development (Cambridge)</i> , 2010, 137, 3459-3468.	1.2	58
18	Best practice standards for circular RNA research. <i>Nature Methods</i> , 2022, 19, 1208-1220.	9.0	58

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19	Brain-wide circuit interrogation at the cellular level guided by online analysis of neuronal function. <i>Nature Methods</i> , 2018, 15, 1117-1125.	9.0	54
20	Nuclear accessibility of β -actin mRNA is measured by 3D single-molecule real-time tracking. <i>Journal of Cell Biology</i> , 2015, 209, 609-619.	2.3	48
21	Base Pair Interactions and Hybridization Isotherms of Matched and Mismatched Oligonucleotide Probes on Microarrays. <i>Langmuir</i> , 2005, 21, 9287-9302.	1.6	41
22	Using Light Sheet Fluorescence Microscopy to Image Zebrafish Eye Development. <i>Journal of Visualized Experiments</i> , 2016, , e53966.	0.2	40
23	An automated workflow for parallel processing of large multiview SPIM recordings. <i>Bioinformatics</i> , 2016, 32, 1112-1114.	1.8	33
24	MTrack: Automated Detection, Tracking, and Analysis of Dynamic Microtubules. <i>Scientific Reports</i> , 2019, 9, 3794.	1.6	30
25	Resolving titin's lifecycle and the spatial organization of protein turnover in mouse cardiomyocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25126-25136.	3.3	30
26	"Hook"-calibration of GeneChip-microarrays: Theory and algorithm. <i>Algorithms for Molecular Biology</i> , 2008, 3, 12.	0.3	28
27	Stochastic transcription in the p53-mediated response to DNA damage is modulated by burst frequency. <i>Molecular Systems Biology</i> , 2019, 15, e9068.	3.2	27
28	"Hook"-calibration of GeneChip-microarrays: Chip characteristics and expression measures. <i>Algorithms for Molecular Biology</i> , 2008, 3, 11.	0.3	23
29	Bioimage Informatics in the context of Drosophila research. <i>Methods</i> , 2014, 68, 60-73.	1.9	22
30	GeneChip microarrays' signal intensities, RNA concentrations and probe sequences. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S537-S566.	0.7	18
31	Regulatory encoding of quantitative variation in spatial activity of a <i>Drosophila</i> enhancer. <i>Science Advances</i> , 2020, 6, .	4.7	18
32	Calibration of Microarray Gene-Expression Data. <i>Methods in Molecular Biology</i> , 2009, 576, 375-407.	0.4	18
33	Light-microscopy methods in <i>C. elegans</i> research. <i>Current Opinion in Systems Biology</i> , 2019, 13, 82-92.	1.3	16
34	Mosaicing of single plane illumination microscopy images using groupwise registration and fast content-based image fusion. , 2008, , .		11
35	Bead-based mosaicing of single plane illumination microscopy images using geometric local descriptor matching. <i>Proceedings of SPIE</i> , 2009, , .	0.8	11
36	Dual-view light-sheet imaging through a tilted glass interface using a deformable mirror. <i>Biomedical Optics Express</i> , 2021, 12, 2186.	1.5	10

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37	Restoration of Uneven Illumination in Light Sheet Microscopy Images. <i>Microscopy and Microanalysis</i> , 2011, 17, 607-613.	0.2	7
38	FRC-QE: a robust and comparable 3D microscopy image quality metric for cleared organoids. <i>Bioinformatics</i> , 2021, 37, 3088-3090.	1.8	7
39	The histone H4 lysine 20 demethylase DPY-21 regulates the dynamics of condensin DC binding. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	6