

Daniel Sage

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,134
citations

567281

15
h-index

713466

21
g-index

28
all docs

28
docs citations

28
times ranked

3253
citing authors

#	ARTICLE	IF	CITATIONS
1	DeconvolutionLab2: An open-source software for deconvolution microscopy. <i>Methods</i> , 2017, 115, 28-41.	3.8	417
2	Automatic tracking of individual fluorescence particles: application to the study of chromosome dynamics. <i>IEEE Transactions on Image Processing</i> , 2005, 14, 1372-1383.	9.8	391
3	Quantitative evaluation of software packages for single-molecule localization microscopy. <i>Nature Methods</i> , 2015, 12, 717-724.	19.0	347
4	Super-resolution fight club: assessment of 2D and 3D single-molecule localization microscopy software. <i>Nature Methods</i> , 2019, 16, 387-395.	19.0	251
5	Circadian gene expression is resilient to large fluctuations in overall transcription rates. <i>EMBO Journal</i> , 2009, 28, 123-134.	7.8	134
6	DeepImageJ: A user-friendly environment to run deep learning models in ImageJ. <i>Nature Methods</i> , 2021, 18, 1192-1195.	19.0	128
7	Pancreatic $\hat{1}^{\pm}$ - and $\hat{1}^2$ -cellular clocks have distinct molecular properties and impact on islet hormone secretion and gene expression. <i>Genes and Development</i> , 2017, 31, 383-398.	5.9	84
8	In pancreatic islets from type 2 diabetes patients, the dampened circadian oscillators lead to reduced insulin and glucagon exocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2484-2495.	7.1	69
9	Quantitative fluorescence loss in photobleaching for analysis of protein transport and aggregation. <i>BMC Bioinformatics</i> , 2012, 13, 296.	2.6	46
10	Selective Visualization of Fluorescent Sterols in <i>Caenorhabditis elegans</i> by Bleach-Rate-Based Image Segmentation. <i>Traffic</i> , 2010, 11, 440-454.	2.7	39
11	Photobleaching Kinetics and Time-Integrated Emission of Fluorescent Probes in Cellular Membranes. <i>Molecules</i> , 2014, 19, 11096-11130.	3.8	39
12	Pocket guide to solve inverse problems with GlobalBioIm. <i>Inverse Problems</i> , 2019, 35, 104006.	2.0	33
13	Potential of ultraviolet wide-field imaging and multiphoton microscopy for analysis of dehydroergosterol in cellular membranes. <i>Microscopy Research and Technique</i> , 2011, 74, 92-108.	2.2	26
14	A software solution for recording circadian oscillator features in time-lapse live cell microscopy. <i>Cell Division</i> , 2010, 5, 17.	2.4	20
15	Investigating Focal Adhesion Substructures by Localization Microscopy. <i>Biophysical Journal</i> , 2017, 113, 2508-2518.	0.5	20
16	Correction of multiple-blinking artifacts in photoactivated localization microscopy. <i>Nature Methods</i> , 2022, 19, 594-602.	19.0	16
17	A 2D/3D image analysis system to track fluorescently labeled structures in rod-shaped cells: application to measure spindle pole asymmetry during mitosis. <i>Cell Division</i> , 2013, 8, 6.	2.4	13
18	W2S: Microscopy Data with Joint Denoising and Super-Resolution for Widefield to SIM Mapping. <i>Lecture Notes in Computer Science</i> , 2020, , 474-491.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Super-resolution fight club. Nature Photonics, 2016, 10, 152-153.	31.4	11
20	Deep Learning Enables Individual Xenograft Cell Classification in Histological Images by Analysis of Contextual Features. Journal of Mammary Gland Biology and Neoplasia, 2021, 26, 101-112.	2.7	5
21	Optimal-Transport-Based Metric For SMLM. , 2021, , .		1
22	Steerâ€™nâ€™Detect: fast 2D template detection with accurate orientation estimation. Bioinformatics, 2022, 38, 3146-3148.	4.1	1
23	On the Continuous Steering of the Scale of Tight Wavelet Frames. SIAM Journal on Imaging Sciences, 2016, 9, 1042-1062.	2.2	0
24	Graphic: Graph-Based Hierarchical Clustering For Single-Molecule Localization Microscopy. , 2021, , .		0