

Rainer Kaufmann

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4389960/rainer-kaufmann-publications-by-year.pdf>

Version: 2024-04-27

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.

37
papers

1,711
citations

21
h-index

37
g-index

37
ext. papers

1,996
ext. citations

6.2
avg, IF

4.5
L-index

#	Paper	IF	Citations
37	Correlative super-resolution fluorescence and electron cryo-microscopy based on cryo-SOFI. <i>Methods in Cell Biology</i> , 2021 , 162, 253-271	1.8	2
36	Structural Basis of Teneurin-Latrophilin Interaction in Repulsive Guidance of Migrating Neurons. <i>Cell</i> , 2020 , 180, 323-339.e19	56.2	37
35	Cryo-SOFI enabling low-dose super-resolution correlative light and electron cryo-microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4804-4809	11.5	45
34	The 2018 correlative microscopy techniques roadmap. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 4430051	5.1	63
33	Preserving the photoswitching ability of standard fluorescent proteins for correlative in-resin super-resolution and electron microscopy. <i>Methods in Cell Biology</i> , 2017 , 140, 49-67	1.8	7
32	A combined 3D-SIM/SMLM approach allows centriole proteins to be localized with a precision of ~4-5 nm. <i>Current Biology</i> , 2017 , 27, R1054-R1055	6.3	18
31	Correlative In-Resin Super-Resolution Fluorescence and Electron Microscopy of Cultured Cells. <i>Methods in Molecular Biology</i> , 2017 , 1663, 163-177	1.4	8
30	An integrated structural cell biology to unravel the vesicle and membrane coat formation mechanism at the inner nuclear envelope 2016 , 997-998		
29	Imaging cellular structures in super-resolution with SIM, STED and Localisation Microscopy: A practical comparison. <i>Scientific Reports</i> , 2016 , 6, 27290	4.9	116
28	Super-resolution fluorescence microscopy of cryo-immobilized samples 2016 , 1017-1017		2
27	Structural Basis for Plexin Activation and Regulation. <i>Neuron</i> , 2016 , 91, 548-60	13.9	66
26	Towards correlative super-resolution fluorescence and electron cryo-microscopy. <i>Biology of the Cell</i> , 2016 , 108, 245-58	3.5	73
25	Correlative in-resin super-resolution and electron microscopy using standard fluorescent proteins. <i>Scientific Reports</i> , 2015 , 5, 9583	4.9	68
24	SIMcheck: a Toolbox for Successful Super-resolution Structured Illumination Microscopy. <i>Scientific Reports</i> , 2015 , 5, 15915	4.9	190
23	Radiation induced chromatin conformation changes analysed by fluorescent localization microscopy, statistical physics, and graph theory. <i>PLoS ONE</i> , 2015 , 10, e0128555	3.7	29
22	Spatial distribution and structural arrangement of a murine cytomegalovirus glycoprotein detected by SPDM localization microscopy. <i>Histochemistry and Cell Biology</i> , 2014 , 142, 61-7	2.4	10
21	Super-resolution microscopy using standard fluorescent proteins in intact cells under cryo-conditions. <i>Nano Letters</i> , 2014 , 14, 4171-5	11.5	92

20	Application perspectives of localization microscopy in virology. <i>Histochemistry and Cell Biology</i> , 2014 , 142, 43-59	2.4	4
19	Fluorescence cryo-microscopy: current challenges and prospects. <i>Current Opinion in Chemical Biology</i> , 2014 , 20, 86-91	9.7	58
18	High-precision correlative fluorescence and electron cryo microscopy using two independent alignment markers. <i>Ultramicroscopy</i> , 2014 , 143, 41-51	3.1	92
17	Quantitative analysis of individual hepatocyte growth factor receptor clusters in influenza A virus infected human epithelial cells using localization microscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 1191-8	3.8	7
16	Structurally encoded intraclass differences in EphA clusters drive distinct cell responses. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 958-64	17.6	69
15	Entering the Nano-Cosmos of the Cell by Means of Spatial Position Determination Microscopy (SPDM): Implications for Medical Diagnostics and Radiation Research. <i>IFMBE Proceedings</i> , 2013 , 93-95	0.2	4
14	Superresolution imaging of transcription units on newt lampbrush chromosomes. <i>Chromosome Research</i> , 2012 , 20, 1009-15	4.4	21
13	Localization microscopy (SPDM) reveals clustered formations of P-glycoprotein in a human blood-brain barrier model. <i>PLoS ONE</i> , 2012 , 7, e44776	3.7	21
12	Visualization and quantitative analysis of reconstituted tight junctions using localization microscopy. <i>PLoS ONE</i> , 2012 , 7, e31128	3.7	45
11	Analysis of Her2/neu membrane protein clusters in different types of breast cancer cells using localization microscopy. <i>Journal of Microscopy</i> , 2011 , 242, 46-54	1.9	71
10	Superresolution imaging of biological nanostructures by spectral precision distance microscopy. <i>Biotechnology Journal</i> , 2011 , 6, 1037-51	5.6	55
9	Imaging label-free intracellular structures by localisation microscopy. <i>Micron</i> , 2011 , 42, 348-52	2.3	12
8	Accelerating Image Analysis for Localization Microscopy with FPGAs 2011 ,		21
7	COMBO-FISH enables high precision localization microscopy as a prerequisite for nanostructure analysis of genome loci. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 4094-105	6.3	26
6	Localization microscopy reveals expression-dependent parameters of chromatin nanostructure. <i>Biophysical Journal</i> , 2010 , 99, 1358-67	2.9	66
5	Far-Field Fluorescence Microscopy of Cellular Structures at Molecular Optical Resolution 2010 , 3-1-3-35		4
4	Using conventional fluorescent markers for far-field fluorescence localization nanoscopy allows resolution in the 10-nm range. <i>Journal of Microscopy</i> , 2009 , 235, 163-71	1.9	76
3	Dual color localization microscopy of cellular nanostructures. <i>Biotechnology Journal</i> , 2009 , 4, 927-38	5.6	78

2	SPDM: single molecule superresolution of cellular nanostructures 2009 ,	18
1	SPDM: light microscopy with single-molecule resolution at the nanoscale. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 93, 1-12	1.9 137