

# Markus Mund

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/693513/markus-mund-publications-by-citations.pdf>

**Version:** 2024-04-25

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.

21  
papers

736  
citations

9  
h-index

27  
g-index

27  
ext. papers

1,093  
ext. citations

12  
avg, IF

3.96  
L-index

#	Paper	IF	Citations
21	Bax assembly into rings and arcs in apoptotic mitochondria is linked to membrane pores. <i>EMBO Journal</i> , <b>2016</b> , 35, 389-401	13	187
20	Real-time 3D single-molecule localization using experimental point spread functions. <i>Nature Methods</i> , <b>2018</b> , 15, 367-369	21.6	133
19	Nuclear pores as versatile reference standards for quantitative superresolution microscopy. <i>Nature Methods</i> , <b>2019</b> , 16, 1045-1053	21.6	105
18	Systematic Nanoscale Analysis of Endocytosis Links Efficient Vesicle Formation to Patterned Actin Nucleation. <i>Cell</i> , <b>2018</b> , 174, 884-896.e17	56.2	99
17	Visualizing the functional architecture of the endocytic machinery. <i>ELife</i> , <b>2015</b> , 4,	8.9	80
16	3D superresolution microscopy by supercritical angle detection. <i>Optics Express</i> , <b>2014</b> , 22, 29081-91	3.3	49
15	Depth-dependent PSF calibration and aberration correction for 3D single-molecule localization. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 2708-2718	3.5	17
14	Localization microscopy in yeast. <i>Methods in Cell Biology</i> , <b>2014</b> , 123, 253-71	1.8	13
13	Type-I myosins promote actin polymerization to drive membrane bending in endocytosis. <i>ELife</i> , <b>2019</b> , 8,	8.9	9
12	Dual-Color and 3D Super-Resolution Microscopy of Multi-protein Assemblies. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1764, 237-251	1.4	7
11	Topological data analysis quantifies biological nano-structure from single molecule localization microscopy. <i>Bioinformatics</i> , <b>2020</b> , 36, 1614-1621	7.2	6
10	How good are my data? Reference standards in superresolution microscopy. <i>Molecular Biology of the Cell</i> , <b>2020</b> , 31, 2093-2096	3.5	6
9	DRP1 interacts directly with BAX to induce its activation and apoptosis.. <i>EMBO Journal</i> , <b>2022</b> , e108587	13	5
8	Systematic analysis of the molecular architecture of endocytosis reveals a nanoscale actin nucleation template that drives efficient vesicle formation		5
7	Nuclear pores as versatile reference standards for quantitative superresolution microscopy		4
6	An autoinhibitory clamp of actin assembly constrains and directs synaptic endocytosis. <i>ELife</i> , <b>2021</b> , 10,	8.9	3
5	Topological data analysis quantifies biological nano-structure from single molecule localization microscopy		2

4	Type-I myosins promote actin polymerization to drive membrane bending in endocytosis	2
3	Depth-dependent PSF calibration and aberration correction for 3D single-molecule localization	1
2	Fast, robust and precise 3D localization for arbitrary point spread functions	1
1	Maximum-likelihood model fitting for quantitative analysis of SMLM data	1