

Markus Mund

List of Publications by Year in Descending Order

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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	DRP1 interacts directly with BAX to induce its activation and apoptosis.. <i>EMBO Journal</i> , 2022 , e108587	13	5
20	An autoinhibitory clamp of actin assembly constrains and directs synaptic endocytosis. <i>ELife</i> , 2021 , 10,	8.9	3
19	Topological data analysis quantifies biological nano-structure from single molecule localization microscopy. <i>Bioinformatics</i> , 2020 , 36, 1614-1621	7.2	6
18	How good are my data? Reference standards in superresolution microscopy. <i>Molecular Biology of the Cell</i> , 2020 , 31, 2093-2096	3.5	6
17	Nuclear pores as versatile reference standards for quantitative superresolution microscopy. <i>Nature Methods</i> , 2019 , 16, 1045-1053	21.6	105
16	Depth-dependent PSF calibration and aberration correction for 3D single-molecule localization. <i>Biomedical Optics Express</i> , 2019 , 10, 2708-2718	3.5	17
15	Type-I myosins promote actin polymerization to drive membrane bending in endocytosis. <i>ELife</i> , 2019 , 8,	8.9	9
14	Real-time 3D single-molecule localization using experimental point spread functions. <i>Nature Methods</i> , 2018 , 15, 367-369	21.6	133
13	Dual-Color and 3D Super-Resolution Microscopy of Multi-protein Assemblies. <i>Methods in Molecular Biology</i> , 2018 , 1764, 237-251	1.4	7
12	Systematic Nanoscale Analysis of Endocytosis Links Efficient Vesicle Formation to Patterned Actin Nucleation. <i>Cell</i> , 2018 , 174, 884-896.e17	56.2	99
11	Bax assembly into rings and arcs in apoptotic mitochondria is linked to membrane pores. <i>EMBO Journal</i> , 2016 , 35, 389-401	13	187
10	Visualizing the functional architecture of the endocytic machinery. <i>ELife</i> , 2015 , 4,	8.9	80
9	Localization microscopy in yeast. <i>Methods in Cell Biology</i> , 2014 , 123, 253-71	1.8	13
8	3D superresolution microscopy by supercritical angle detection. <i>Optics Express</i> , 2014 , 22, 29081-91	3.3	49
7	Topological data analysis quantifies biological nano-structure from single molecule localization microscopy		2
6	Type-I myosins promote actin polymerization to drive membrane bending in endocytosis		2
5	Depth-dependent PSF calibration and aberration correction for 3D single-molecule localization		1

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- 3 Systematic analysis of the molecular architecture of endocytosis reveals a nanoscale actin nucleation template that drives efficient vesicle formation 5
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