

# Johannes SchÄ¶neberg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/997076/publications.pdf>

Version: 2024-02-01

19  
papers

1,421  
citations

567281

15  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reverse-topology membrane scission by the ESCRT proteins. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 5-17.	37.0	358
2	ATP-dependent force generation and membrane scission by ESCRT-III and Vps4. <i>Science</i> , 2018, 362, 1423-1428.	12.6	150
3	Protein-peptide association kinetics beyond the seconds timescale from atomistic simulations. <i>Nature Communications</i> , 2017, 8, 1095.	12.8	137
4	ReaDDy - A Software for Particle-Based Reaction-Diffusion Dynamics in Crowded Cellular Environments. <i>PLoS ONE</i> , 2013, 8, e74261.	2.5	117
5	Higher-Order Architecture of Rhodopsin in Intact Photoreceptors and Its Implication for Phototransduction Kinetics. <i>Structure</i> , 2015, 23, 628-638.	3.3	105
6	Lipid-mediated PX-BAR domain recruitment couples local membrane constriction to endocytic vesicle fission. <i>Nature Communications</i> , 2017, 8, 15873.	12.8	101
7	Simulation tools for particle-based reaction-diffusion dynamics in continuous space. <i>BMC Biophysics</i> , 2014, 7, 11.	4.4	74
8	Dynamical Organization of Syntaxin-1A at the Presynaptic Active Zone. <i>PLoS Computational Biology</i> , 2015, 11, e1004407.	3.2	65
9	Bidirectional Control of Autophagy by BECN1 BARA Domain Dynamics. <i>Molecular Cell</i> , 2019, 73, 339-353.e6.	9.7	61
10	4D cell biology: big data image analytics and lattice light-sheet imaging reveal dynamics of clathrin-mediated endocytosis in stem cell-derived intestinal organoids. <i>Molecular Biology of the Cell</i> , 2018, 29, 2959-2968.	2.1	42
11	Explicit Spatiotemporal Simulation of Receptor-G Protein Coupling in Rod Cell Disk Membranes. <i>Biophysical Journal</i> , 2014, 107, 1042-1053.	0.5	38
12	It takes two transducins to activate the cGMP-phosphodiesterase 6 in retinal rods. <i>Open Biology</i> , 2018, 8, .	3.6	34
13	Direct comparison of clathrin-mediated endocytosis in budding and fission yeast reveals conserved and evolvable features. <i>ELife</i> , 2019, 8, .	6.0	31
14	ReaDDyMM: Fast Interacting Particle Reaction-Diffusion Simulations Using Graphical Processing Units. <i>Biophysical Journal</i> , 2015, 108, 457-461.	0.5	30
15	Mechanistic insights into actin force generation during vesicle formation from cryo-electron tomography. <i>Developmental Cell</i> , 2022, 57, 1132-1145.e5.	7.0	21
16	The dynamic Atg13-free conformation of the Atg1 EAT domain is required for phagophore expansion. <i>Molecular Biology of the Cell</i> , 2018, 29, 1228-1237.	2.1	13
17	Load adaptation by endocytic actin networks. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21110589.	2.1	12
18	Intracellular Membrane Trafficking: Modeling Local Movements in Cells. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2018, , 259-301.	0.6	4

#	ARTICLE	IF	CITATIONS
19	3D Deep Convolutional Neural Networks in Lattice Light-Sheet Data Puncta Segmentation. , 2019, , .		4