Johannes SchÃ¶neberg

List of Publications by Year
in descending order

19	1,421	567281 15	794594 19
papers	citations	h-index	g-index

25	25	25	2115
all docs	docs citations	times ranked	citing authors

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

#	Article	IF	Citations
19	ReaDDy - A Software for Particle-Based Reaction-Diffusion Dynamics in Crowded Cellular Environments. PLoS ONE, 2013, 8, e74261.	2.5	117