Tom Kirchhausen

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	4,571 citations	218677 26 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	7951 citing authors

#	Article	IF	Citations
1	PKC-phosphorylation of Liprin-Î±3 triggers phase separation and controls presynaptic active zone structure. Nature Communications, 2021, 12, 3057.	12.8	46
2	Inherited nuclear pore substructures template post-mitotic pore assembly. Developmental Cell, 2021, 56, 1786-1803.e9.	7.0	21
3	Synergistic Block of SARS-CoV-2 Infection by Combined Drug Inhibition of the Host Entry Factors PIKfyve Kinase and TMPRSS2 Protease. Journal of Virology, 2021, 95, e0097521.	3.4	34
4	Design and Validation of a Human Brain Endothelial Microvessel-on-a-Chip Open Microfluidic Model Enabling Advanced Optical Imaging. Frontiers in Bioengineering and Biotechnology, 2020, 8, 573775.	4.1	88
5	Cholesterol 25-hydroxylase suppresses SARS-CoV-2 replication by blocking membrane fusion. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32105-32113.	7.1	192
6	Inhibition of PIKfyve kinase prevents infection by Zaire ebolavirus and SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20803-20813.	7.1	154
7	HDAC6 mediates an aggresome-like mechanism for NLRP3 and pyrin inflammasome activation. Science, 2020, 369, .	12.6	218
8	Correlative three-dimensional super-resolution and block-face electron microscopy of whole vitreously frozen cells. Science, 2020, 367, .	12.6	255
9	Dynamics of Auxilin 1 and GAK in clathrin-mediated traffic. Journal of Cell Biology, 2020, 219, .	5.2	37
10	Molecularly Distinct Clathrin-Coated Pits Differentially Impact EGFR Fate and Signaling. Cell Reports, 2019, 27, 3049-3061.e6.	6.4	58
11	Cortical column and whole-brain imaging with molecular contrast and nanoscale resolution. Science, 2019, 363, .	12.6	277
12	Observing the cell in its native state: Imaging subcellular dynamics in multicellular organisms. Science, 2018, 360, .	12.6	420
13	Reconstitution of Clathrin Coat Disassembly for Fluorescence Microscopy and Single-Molecule Analysis. Methods in Molecular Biology, 2018, 1847, 121-146.	0.9	4
14	Miro1-mediated mitochondrial positioning shapes intracellular energy gradients required for cell migration. Molecular Biology of the Cell, 2017, 28, 2159-2169.	2.1	115
15	Dynamics of phosphoinositide conversion in clathrin-mediated endocytic traffic. Nature, 2017, 552, 410-414.	27.8	119
16	Recruitment dynamics of ESCRT-III and Vps4 to endosomes and implications for reverse membrane budding. ELife, 2017, 6, .	6.0	138
17	Membrane fission by dynamin: what we know and what we need to know. EMBO Journal, 2016, 35, 2270-2284.	7.8	388
18	Membrane dynamics of dividing cells imaged by lattice light-sheet microscopy. Molecular Biology of the Cell, 2016, 27, 3418-3435.	2.1	121

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19	Inhibition of JCPyV infection mediated by targeted viral genome editing using CRISPR/Cas9. Scientific Reports, 2016, 6, 36921.	3.3	27
20	Scramblase TMEM16F terminates T cell receptor signaling to restrict T cell exhaustion. Journal of Experimental Medicine, 2016, 213, 2759-2772.	8.5	25
21	Data publication with the structural biology data grid supports live analysis. Nature Communications, 2016, 7, 10882.	12.8	113
22	Identification and Characterization of a Novel Broad-Spectrum Virus Entry Inhibitor. Journal of Virology, 2016, 90, 4494-4510.	3.4	29
23	Asymmetric formation of coated pits on dorsal and ventral surfaces at the leading edges of motile cells and on protrusions of immobile cells. Molecular Biology of the Cell, 2015, 26, 2044-2053.	2.1	34
24	Role of the clathrin adaptor PICALM in normal hematopoiesis and polycythemia vera pathophysiology. Haematologica, 2015, 100, 439-451.	3.5	35
25	Molecular Structure, Function, and Dynamics of Clathrin-Mediated Membrane Traffic. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016725-a016725.	5.5	377
26	Dynamin recruitment and membrane scission at the neck of a clathrin-coated pit. Molecular Biology of the Cell, 2014, 25, 3595-3609.	2.1	117
27	Key Interactions for Clathrin Coat Stability. Structure, 2014, 22, 819-829.	3.3	21
28	Limited Transferrin Receptor Clustering Allows Rapid Diffusion of Canine Parvovirus into Clathrin Endocytic Structures. Journal of Virology, 2012, 86, 5330-5340.	3.4	54
29	The First Five Seconds in the Life of a Clathrin-Coated Pit. Cell, 2012, 150, 495-507.	28.9	341
30	Dynamics of Intracellular Clathrin/AP1- and Clathrin/AP3-Containing Carriers. Cell Reports, 2012, 2, 1111-1119.	6.4	55
31	Cisternal Organization of the Endoplasmic Reticulum during Mitosis. Molecular Biology of the Cell, 2009, 20, 3471-3480.	2.1	189
32	Use of Dynasore, the Small Molecule Inhibitor of Dynamin, in the Regulation of Endocytosis. Methods in Enzymology, 2008, 438, 77-93.	1.0	358
33	A Motif in the Clathrin Heavy Chain Required for the Hsc70/Auxilin Uncoating Reaction. Molecular Biology of the Cell, 2008, 19, 405-413.	2.1	68