Christian Sieben

List of Publications by Year
in descending order

36 papers	2,166 citations	304743 22 h-index	361022 35 g-index
43 all docs	43 docs citations	43 times ranked	3697 citing authors

#	Article	IF	Citations
1	Inhibition of Influenza Virus Infection by Multivalent Sialicâ€Acidâ€Functionalized Gold Nanoparticles. Small, 2010, 6, 2900-2906.	10.0	257
2	Abscisic Acid Triggers the Endocytosis of the Arabidopsis KAT1 K+ Channel and Its Recycling to the Plasma Membrane. Current Biology, 2007, 17, 1396-1402.	3.9	184
3	Receptor binding and pH stability â€" How influenza A virus hemagglutinin affects host-specific virus infection. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1153-1168.	2.6	151
4	Heterogeneity of AMPA receptor trafficking and molecular interactions revealed by superresolution analysis of live cell imaging. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17052-17057.	7.1	131
5	Super-resolution imaging of multiple cells by optimized flat-field epi-illumination. Nature Photonics, 2016, 10, 705-708.	31.4	129
6	Influenza virus binds its host cell using multiple dynamic interactions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13626-13631.	7.1	119
7	Inhibition of Influenza Virus Activity by Multivalent Glycoarchitectures with Matched Sizes. ChemBioChem, 2011, 12, 887-895.	2.6	113
8	pH-Controlled Two-Step Uncoating of Influenza Virus. Biophysical Journal, 2014, 106, 1447-1456.	0.5	106
9	Bending and Puncturing the Influenza Lipid Envelope. Biophysical Journal, 2011, 100, 637-645.	0.5	101
10	TORC1 organized in inhibited domains (TOROIDs) regulate TORC1 activity. Nature, 2017, 550, 265-269.	27.8	100
11	Virus inhibition induced by polyvalent nanoparticles of different sizes. Nanoscale, 2014, 6, 2353.	5.6	85
12	Initial Step of Virus Entry: Virion Binding to Cell-Surface Glycans. Annual Review of Virology, 2020, 7, 143-165.	6.7	82
13	Multicolor single-particle reconstruction of protein complexes. Nature Methods, 2018, 15, 777-780.	19.0	76
14	Influenza A Matrix Protein M1 Multimerizes upon Binding to Lipid Membranes. Biophysical Journal, 2014, 107, 912-923.	0.5	62
15	Waveguide-PAINT offers an open platform for large field-of-view super-resolution imaging. Nature Communications, 2019, 10, 1267.	12.8	54
16	Interaction of the K⁺â€channel KAT1 with the coat protein complex II coat component Sec24 depends on a diâ€acidic endoplasmic reticulum export motif. Plant Journal, 2008, 56, 997-1006.	5.7	50
17	Single-molecule dynamics and genome-wide transcriptomics reveal that NF-κB (p65)-DNA binding times can be decoupled from transcriptional activation. PLoS Genetics, 2019, 15, e1007891.	3.5	45
18	Influenza A viruses use multivalent sialic acid clusters for cell binding and receptor activation. PLoS Pathogens, 2020, 16, e1008656.	4.7	43

#	Article	IF	Citations
19	A Plant Homolog of Animal Chloride Intracellular Channels (CLICs) Generates an Ion Conductance in Heterologous Systems. Journal of Biological Chemistry, 2007, 282, 8786-8792.	3.4	39
20	Alteration of Protein Levels during Influenza Virus H1N1 Infection in Host Cells: A Proteomic Survey of Host and Virus Reveals Differential Dynamics. PLoS ONE, 2014, 9, e94257.	2.5	38
21	Super-resolution microscopy to decipher multi-molecular assemblies. Current Opinion in Structural Biology, 2018, 49, 169-176.	5.7	35
22	Viral RNA Degradation and Diffusion Act as a Bottleneck for the Influenza A Virus Infection Efficiency. PLoS Computational Biology, 2016, 12, e1005075.	3.2	27
23	RNAi-based small molecule repositioning reveals clinically approved urea-based kinase inhibitors as broadly active antivirals. PLoS Pathogens, 2019, 15, e1007601.	4.7	26
24	Nanoscale Pattern Extraction from Relative Positions of Sparse 3D Localizations. Nano Letters, 2021, 21, 1213-1220.	9.1	19
25	Single-virus force spectroscopy unravels molecular details of virus infection. Integrative Biology (United Kingdom), 2015, 7, 620-632.	1.3	18
26	Stochastic Model of Acidification, Activation of Hemagglutinin and Escape of Influenza Viruses from an Endosome. Frontiers in Physics, 2017, 5, .	2.1	15
27	Application of Super-Resolution and Advanced Quantitative Microscopy to the Spatio-Temporal Analysis of Influenza Virus Replication. Viruses, 2021, 13, 233.	3.3	9
28	Genetic characterization of an adapted pandemic 2009 H1N1 influenza virus that reveals improved replication rates in human lung epithelial cells. Virology, 2016, 492, 118-129.	2.4	8
29	Pseudomonas aeruginosa PA14 produces R-bodies, extendable protein polymers with roles in host colonization and virulence. Nature Communications, 2021, 12, 4613.	12.8	7
30	SMER28 Attenuates PI3K/mTOR Signaling by Direct Inhibition of PI3K p110 Delta. Cells, 2022, 11, 1648.	4.1	7
31	Inhibition of influenza virus activity by newly designed multivalent glycoarchitectures. Journal of Controlled Release, 2010, 148, e114-e115.	9.9	5
32	3D Structure From 2D Microscopy Images Using Deep Learning. Frontiers in Bioinformatics, 2021, 1, .	2.1	5
33	The ties that bind. Nature Nanotechnology, 2017, 12, 102-103.	31.5	3
34	Characterization of Hantavirus N Protein Intracellular Dynamics and Localization. Viruses, 2022, 14, 457.	3.3	3
35	Inhibition of influenza virus activity by the bovine seminal plasma protein PDC-109. European Biophysics Journal, 2019, 48, 503-511.	2.2	1
36	Role of M1 Self-Organization in Influenza Virus Assembly: A Combined Rics and AFM Study. Biophysical Journal, 2014, 106, 61a.	0.5	0