

Christian Sieben

List of Publications by Year in descending order

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36
papers

2,166
citations

304743

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docs citations

43
times ranked

3697
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Hantavirus N Protein Intracellular Dynamics and Localization. <i>Viruses</i> , 2022, 14, 457.	3.3	3
2	SMER28 Attenuates PI3K/mTOR Signaling by Direct Inhibition of PI3K p110 Delta. <i>Cells</i> , 2022, 11, 1648.	4.1	7
3	Nanoscale Pattern Extraction from Relative Positions of Sparse 3D Localizations. <i>Nano Letters</i> , 2021, 21, 1213-1220.	9.1	19
4	Application of Super-Resolution and Advanced Quantitative Microscopy to the Spatio-Temporal Analysis of Influenza Virus Replication. <i>Viruses</i> , 2021, 13, 233.	3.3	9
5	<i>Pseudomonas aeruginosa</i> PA14 produces R-bodies, extendable protein polymers with roles in host colonization and virulence. <i>Nature Communications</i> , 2021, 12, 4613.	12.8	7
6	3D Structure From 2D Microscopy Images Using Deep Learning. <i>Frontiers in Bioinformatics</i> , 2021, 1, .	2.1	5
7	Initial Step of Virus Entry: Virion Binding to Cell-Surface Glycans. <i>Annual Review of Virology</i> , 2020, 7, 143-165.	6.7	82
8	Influenza A viruses use multivalent sialic acid clusters for cell binding and receptor activation. <i>PLoS Pathogens</i> , 2020, 16, e1008656.	4.7	43
9	Single-molecule dynamics and genome-wide transcriptomics reveal that NF- κ B (p65)-DNA binding times can be decoupled from transcriptional activation. <i>PLoS Genetics</i> , 2019, 15, e1007891.	3.5	45
10	Inhibition of influenza virus activity by the bovine seminal plasma protein PDC-109. <i>European Biophysics Journal</i> , 2019, 48, 503-511.	2.2	1
11	Waveguide-PAINT offers an open platform for large field-of-view super-resolution imaging. <i>Nature Communications</i> , 2019, 10, 1267.	12.8	54
12	RNAi-based small molecule repositioning reveals clinically approved urea-based kinase inhibitors as broadly active antivirals. <i>PLoS Pathogens</i> , 2019, 15, e1007601.	4.7	26
13	Super-resolution microscopy to decipher multi-molecular assemblies. <i>Current Opinion in Structural Biology</i> , 2018, 49, 169-176.	5.7	35
14	Multicolor single-particle reconstruction of protein complexes. <i>Nature Methods</i> , 2018, 15, 777-780.	19.0	76
15	The ties that bind. <i>Nature Nanotechnology</i> , 2017, 12, 102-103.	31.5	3
16	TORC1 organized in inhibited domains (TOROIDS) regulate TORC1 activity. <i>Nature</i> , 2017, 550, 265-269.	27.8	100
17	Stochastic Model of Acidification, Activation of Hemagglutinin and Escape of Influenza Viruses from an Endosome. <i>Frontiers in Physics</i> , 2017, 5, .	2.1	15
18	Super-resolution imaging of multiple cells by optimized flat-field epi-illumination. <i>Nature Photonics</i> , 2016, 10, 705-708.	31.4	129

#	ARTICLE	IF	CITATIONS
19	Genetic characterization of an adapted pandemic 2009 H1N1 influenza virus that reveals improved replication rates in human lung epithelial cells. <i>Virology</i> , 2016, 492, 118-129.	2.4	8
20	Viral RNA Degradation and Diffusion Act as a Bottleneck for the Influenza A Virus Infection Efficiency. <i>PLoS Computational Biology</i> , 2016, 12, e1005075.	3.2	27
21	Single-virus force spectroscopy unravels molecular details of virus infection. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 620-632.	1.3	18
22	Alteration of Protein Levels during Influenza Virus H1N1 Infection in Host Cells: A Proteomic Survey of Host and Virus Reveals Differential Dynamics. <i>PLoS ONE</i> , 2014, 9, e94257.	2.5	38
23	Role of M1 Self-Organization in Influenza Virus Assembly: A Combined Rics and AFM Study. <i>Biophysical Journal</i> , 2014, 106, 61a.	0.5	0
24	pH-Controlled Two-Step Uncoating of Influenza Virus. <i>Biophysical Journal</i> , 2014, 106, 1447-1456.	0.5	106
25	Receptor binding and pH stability – How influenza A virus hemagglutinin affects host-specific virus infection. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1153-1168.	2.6	151
26	Virus inhibition induced by polyvalent nanoparticles of different sizes. <i>Nanoscale</i> , 2014, 6, 2353.	5.6	85
27	Influenza A Matrix Protein M1 Multimerizes upon Binding to Lipid Membranes. <i>Biophysical Journal</i> , 2014, 107, 912-923.	0.5	62
28	Heterogeneity of AMPA receptor trafficking and molecular interactions revealed by superresolution analysis of live cell imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17052-17057.	7.1	131
29	Influenza virus binds its host cell using multiple dynamic interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13626-13631.	7.1	119
30	Bending and Puncturing the Influenza Lipid Envelope. <i>Biophysical Journal</i> , 2011, 100, 637-645.	0.5	101
31	Inhibition of Influenza Virus Activity by Multivalent Glycoarchitectures with Matched Sizes. <i>ChemBioChem</i> , 2011, 12, 887-895.	2.6	113
32	Inhibition of influenza virus activity by newly designed multivalent glycoarchitectures. <i>Journal of Controlled Release</i> , 2010, 148, e114-e115.	9.9	5
33	Inhibition of Influenza Virus Infection by Multivalent Sialic Acid-Functionalized Gold Nanoparticles. <i>Small</i> , 2010, 6, 2900-2906.	10.0	257
34	Interaction of the K ⁺ channel KAT1 with the coat protein complex II coat component Sec24 depends on a diacidic endoplasmic reticulum export motif. <i>Plant Journal</i> , 2008, 56, 997-1006.	5.7	50
35	A Plant Homolog of Animal Chloride Intracellular Channels (CLICs) Generates an Ion Conductance in Heterologous Systems. <i>Journal of Biological Chemistry</i> , 2007, 282, 8786-8792.	3.4	39
36	Abscisic Acid Triggers the Endocytosis of the Arabidopsis KAT1 K ⁺ Channel and Its Recycling to the Plasma Membrane. <i>Current Biology</i> , 2007, 17, 1396-1402.	3.9	184