

Petr Chlanda

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,749
citations

393982

19
h-index

525886

27
g-index

37
all docs

37
docs citations

37
times ranked

4726
citing authors

#	ARTICLE	IF	CITATIONS
1	The FDA-Approved Drug Cobicistat Synergizes with Remdesivir To Inhibit SARS-CoV-2 Replication <i>In Vitro</i> and Decreases Viral Titers and Disease Progression in Syrian Hamsters. <i>MBio</i> , 2022, 13, e0370521.	1.8	22
2	Cryo-correlative light and electron microscopy workflow for cryo-focused ion beam milled adherent cells. <i>Methods in Cell Biology</i> , 2021, 162, 273-302.	0.5	16
3	Post-correlation on-lamella cryo-CLEM reveals the membrane architecture of lamellar bodies. <i>Communications Biology</i> , 2021, 4, 137.	2.0	35
4	Dual-axis Volta phase plate cryo-electron tomography of Ebola virus-like particles reveals actin-VP40 interactions. <i>Journal of Structural Biology</i> , 2021, 213, 107742.	1.3	19
5	The cleavage of spike protein HA2 by trypsin permits activation of the M2 channel without its proteolytic cleavage in the influenza A virus. <i>Virology</i> , 2021, 559, 86-88.	1.1	0
6	SARS-CoV-2 structure and replication characterized by in situ cryo-electron tomography. <i>Nature Communications</i> , 2020, 11, 5885.	5.8	514
7	A colorimetric RT-LAMP assay and LAMP-sequencing for detecting SARS-CoV-2 RNA in clinical samples. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	516
8	SARS-CoV-2 RNA Extraction Using Magnetic Beads for Rapid Large-Scale Testing by RT-qPCR and RT-LAMP. <i>Viruses</i> , 2020, 12, 863.	1.5	79
9	High-throughput ultrastructure screening using electron microscopy and fluorescent barcoding. <i>Journal of Cell Biology</i> , 2019, 218, 2797-2811.	2.3	18
10	The sleeping beauty kissed awake: new methods in electron microscopy to study cellular membranes. <i>Biochemical Journal</i> , 2017, 474, 1041-1053.	1.7	7
11	Influenza Hemagglutinin and M2 ion channel priming by trypsin: Killing two birds with one stone. <i>Virology</i> , 2017, 509, 131-132.	1.1	3
12	Palmitoylation Contributes to Membrane Curvature in Influenza A Virus Assembly and Hemagglutinin-Mediated Membrane Fusion. <i>Journal of Virology</i> , 2017, 91, .	1.5	55
13	Protein-lipid interactions critical to replication of the influenza A virus. <i>FEBS Letters</i> , 2016, 590, 1940-1954.	1.3	36
14	Eukaryotic-Like Virus Budding in <i>Archaea</i> . <i>MBio</i> , 2016, 7, .	1.8	65
15	The hemifusion structure induced by influenza virus haemagglutinin is determined by physical properties of the target membranes. <i>Nature Microbiology</i> , 2016, 1, 16050.	5.9	124
16	Structural Analysis of the Roles of Influenza A Virus Membrane-Associated Proteins in Assembly and Morphology. <i>Journal of Virology</i> , 2015, 89, 8957-8966.	1.5	78
17	Reorganization of the Endosomal System in Salmonella-Infected Cells: The Ultrastructure of Salmonella-Induced Tubular Compartments. <i>PLoS Pathogens</i> , 2014, 10, e1004374.	2.1	64
18	Cryo-electron Microscopy of Vitreous Sections. <i>Methods in Molecular Biology</i> , 2014, 1117, 193-214.	0.4	26

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19	Poxvirus membrane biogenesis: rupture not disruption. <i>Cellular Microbiology</i> , 2013, 15, 190-199.	1.1	29
20	Open membranes are the precursors for assembly of large DNA viruses. <i>Cellular Microbiology</i> , 2013, 15, n/a-n/a.	1.1	31
21	Three-Dimensional Architecture and Biogenesis of Membrane Structures Associated with Hepatitis C Virus Replication. <i>PLoS Pathogens</i> , 2012, 8, e1003056.	2.1	429
22	Heritable yeast prions have a highly organized three-dimensional architecture with interfiber structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14906-14911.	3.3	38
23	Long, Saturated Chains: Tasty Domains for Kinases of Insulin Resistance. <i>Developmental Cell</i> , 2011, 21, 604-606.	3.1	2
24	Expression of soluble TGF- β 2 receptor II by recombinant Vaccinia virus enhances E7 specific immunotherapy of HPV16 tumors. <i>Neoplasia</i> , 2011, 58, 181-188.	0.7	4
25	Vaccinia virus lacking A17 induces complex membrane structures composed of open membrane sheets. <i>Archives of Virology</i> , 2011, 156, 1647-1653.	0.9	7
26	Biochemical and Morphological Properties of Hepatitis C Virus Particles and Determination of Their Lipidome. <i>Journal of Biological Chemistry</i> , 2011, 286, 3018-3032.	1.6	308
27	Membrane Rupture Generates Single Open Membrane Sheets during Vaccinia Virus Assembly. <i>Cell Host and Microbe</i> , 2009, 6, 81-90.	5.1	73
28	Cryo-electron Tomography of Whole Cells. <i>Imaging & Microscopy</i> , 2007, 9, 50-53.	0.1	0
29	Whole Cell Cryo-Electron Tomography Reveals Distinct Disassembly Intermediates of Vaccinia Virus. <i>PLoS ONE</i> , 2007, 2, e420.	1.1	69