Petr Chlanda

List of Publications by Year
in descending order

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29	2,749	394421 19	526287 27
papers	citations	h-index	g-index

37	37	37	4726
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The FDA-Approved Drug Cobicistat Synergizes with Remdesivir To Inhibit SARS-CoV-2 Replication In Vitro and Decreases Viral Titers and Disease Progression in Syrian Hamsters. MBio, 2022, 13, e0370521.	4.1	22
2	Cryo-correlative light and electron microscopy workflow for cryo-focused ion beam milled adherent cells. Methods in Cell Biology, 2021, 162, 273-302.	1.1	16
3	Post-correlation on-lamella cryo-CLEM reveals the membrane architecture of lamellar bodies. Communications Biology, 2021, 4, 137.	4.4	35
4	Dual-axis Volta phase plate cryo-electron tomography of Ebola virus-like particles reveals actin-VP40 interactions. Journal of Structural Biology, 2021, 213, 107742.	2.8	19
5	The cleavage of spike protein ÐÐ0â†'ÐÐ1/HA2 by trypsin permits activation of the M2 channel without its proteolytic cleavage in the influenza A virus. Virology, 2021, 559, 86-88.	2.4	0
6	SARS-CoV-2 structure and replication characterized by in situ cryo-electron tomography. Nature Communications, 2020, 11, 5885.	12.8	514
7	A colorimetric RT-LAMP assay and LAMP-sequencing for detecting SARS-CoV-2 RNA in clinical samples. Science Translational Medicine, 2020, 12, .	12.4	516
8	SARS-CoV-2 RNA Extraction Using Magnetic Beads for Rapid Large-Scale Testing by RT-qPCR and RT-LAMP. Viruses, 2020, 12, 863.	3.3	79
9	High-throughput ultrastructure screening using electron microscopy and fluorescent barcoding. Journal of Cell Biology, 2019, 218, 2797-2811.	5.2	18
10	The sleeping beauty kissed awake: new methods in electron microscopy to study cellular membranes. Biochemical Journal, 2017, 474, 1041-1053.	3.7	7
11	Influenza Hemagglutinin and M2 ion channel priming by trypsin: Killing two birds with one stone. Virology, 2017, 509, 131-132.	2.4	3
12	Palmitoylation Contributes to Membrane Curvature in Influenza A Virus Assembly and Hemagglutinin-Mediated Membrane Fusion. Journal of Virology, 2017, 91, .	3.4	55
13	Proteinâ€"lipid interactions critical to replication of the influenza A virus. FEBS Letters, 2016, 590, 1940-1954.	2.8	36
14	Eukaryotic-Like Virus Budding in Archaea. MBio, 2016, 7, .	4.1	65
15	The hemifusion structure induced by influenza virus haemagglutinin is determined by physical properties of the target membranes. Nature Microbiology, 2016, 1, 16050.	13.3	124
16	Structural Analysis of the Roles of Influenza A Virus Membrane-Associated Proteins in Assembly and Morphology. Journal of Virology, 2015, 89, 8957-8966.	3.4	78
17	Reorganization of the Endosomal System in Salmonella-Infected Cells: The Ultrastructure of Salmonella-Induced Tubular Compartments. PLoS Pathogens, 2014, 10, e1004374.	4.7	64
18	Cryo-electron Microscopy of Vitreous Sections. Methods in Molecular Biology, 2014, 1117, 193-214.	0.9	26

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19	Poxvirus membrane biogenesis: rupture not disruption. Cellular Microbiology, 2013, 15, 190-199.	2.1	29
20	Open membranes are the precursors for assembly of large DNA viruses. Cellular Microbiology, 2013, 15, n/a-n/a.	2.1	31
21	Three-Dimensional Architecture and Biogenesis of Membrane Structures Associated with Hepatitis C Virus Replication. PLoS Pathogens, 2012, 8, e1003056.	4.7	429
22	Heritable yeast prions have a highly organized three-dimensional architecture with interfiber structures. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14906-14911.	7.1	38
23	Long, Saturated Chains: Tasty Domains for Kinases of Insulin Resistance. Developmental Cell, 2011, 21, 604-606.	7.0	2
24	Expression of soluble TGF-Î² receptor II by recombinant Vaccinia virus enhances E7 specific immunotherapy of HPV16 tumors. Neoplasma, 2011, 58, 181-188.	1.6	4
25	Vaccinia virus lacking A17 induces complex membrane structures composed of open membrane sheets. Archives of Virology, 2011, 156, 1647-1653.	2.1	7
26	Biochemical and Morphological Properties of Hepatitis C Virus Particles and Determination of Their Lipidome. Journal of Biological Chemistry, 2011, 286, 3018-3032.	3.4	308
27	Membrane Rupture Generates Single Open Membrane Sheets during Vaccinia Virus Assembly. Cell Host and Microbe, 2009, 6, 81-90.	11.0	73
28	Cryo-electron Tomography of Whole Cells. Imaging & Microscopy, 2007, 9, 50-53.	0.1	0
29	Whole Cell Cryo-Electron Tomography Reveals Distinct Disassembly Intermediates of Vaccinia Virus. PLoS ONE, 2007, 2, e420.	2.5	69