

# Petr Chlanda

## List of Publications by Year in descending order

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29  
papers

2,749  
citations

394421

19  
h-index

526287

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4726  
citing authors

#	ARTICLE	IF	CITATIONS
1	A colorimetric RT-LAMP assay and LAMP-sequencing for detecting SARS-CoV-2 RNA in clinical samples. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	516
2	SARS-CoV-2 structure and replication characterized by in situ cryo-electron tomography. <i>Nature Communications</i> , 2020, 11, 5885.	12.8	514
3	Three-Dimensional Architecture and Biogenesis of Membrane Structures Associated with Hepatitis C Virus Replication. <i>PLoS Pathogens</i> , 2012, 8, e1003056.	4.7	429
4	Biochemical and Morphological Properties of Hepatitis C Virus Particles and Determination of Their Lipidome. <i>Journal of Biological Chemistry</i> , 2011, 286, 3018-3032.	3.4	308
5	The hemifusion structure induced by influenza virus haemagglutinin is determined by physical properties of the target membranes. <i>Nature Microbiology</i> , 2016, 1, 16050.	13.3	124
6	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.	3.3	79
7	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.	3.4	78
8	Membrane Rupture Generates Single Open Membrane Sheets during Vaccinia Virus Assembly. <i>Cell Host and Microbe</i> , 2009, 6, 81-90.	11.0	73
9	Whole Cell Cryo-Electron Tomography Reveals Distinct Disassembly Intermediates of Vaccinia Virus. <i>PLoS ONE</i> , 2007, 2, e420.	2.5	69
10	Eukaryotic-Like Virus Budding in <i>Archaea</i> . <i>MBio</i> , 2016, 7, .	4.1	65
11	Reorganization of the Endosomal System in Salmonella-Infected Cells: The Ultrastructure of Salmonella-Induced Tubular Compartments. <i>PLoS Pathogens</i> , 2014, 10, e1004374.	4.7	64
12	Palmitoylation Contributes to Membrane Curvature in Influenza A Virus Assembly and Hemagglutinin-Mediated Membrane Fusion. <i>Journal of Virology</i> , 2017, 91, .	3.4	55
13	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.	7.1	38
14	Protein-lipid interactions critical to replication of the influenza A virus. <i>FEBS Letters</i> , 2016, 590, 1940-1954.	2.8	36
15	Post-correlation on-lamella cryo-CLEM reveals the membrane architecture of lamellar bodies. <i>Communications Biology</i> , 2021, 4, 137.	4.4	35
16	Open membranes are the precursors for assembly of large DNA viruses. <i>Cellular Microbiology</i> , 2013, 15, n/a-n/a.	2.1	31
17	Poxvirus membrane biogenesis: rupture not disruption. <i>Cellular Microbiology</i> , 2013, 15, 190-199.	2.1	29
18	Cryo-electron Microscopy of Vitreous Sections. <i>Methods in Molecular Biology</i> , 2014, 1117, 193-214.	0.9	26

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19	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.	4.1	22
20	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.	2.8	19
21	High-throughput ultrastructure screening using electron microscopy and fluorescent barcoding. <i>Journal of Cell Biology</i> , 2019, 218, 2797-2811.	5.2	18
22	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.	1.1	16
23	Vaccinia virus lacking A17 induces complex membrane structures composed of open membrane sheets. <i>Archives of Virology</i> , 2011, 156, 1647-1653.	2.1	7
24	The sleeping beauty kissed awake: new methods in electron microscopy to study cellular membranes. <i>Biochemical Journal</i> , 2017, 474, 1041-1053.	3.7	7
25	Expression of soluble TGF- $\beta$ 2 receptor II by recombinant Vaccinia virus enhances E7 specific immunotherapy of HPV16 tumors. <i>Neoplasma</i> , 2011, 58, 181-188.	1.6	4
26	Influenza Hemagglutinin and M2 ion channel priming by trypsin: Killing two birds with one stone. <i>Virology</i> , 2017, 509, 131-132.	2.4	3
27	Long, Saturated Chains: Tasty Domains for Kinases of Insulin Resistance. <i>Developmental Cell</i> , 2011, 21, 604-606.	7.0	2
28	Cryo-electron Tomography of Whole Cells. <i>Imaging &amp; Microscopy</i> , 2007, 9, 50-53.	0.1	0
29	The cleavage of spike protein HA1/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.	2.4	0