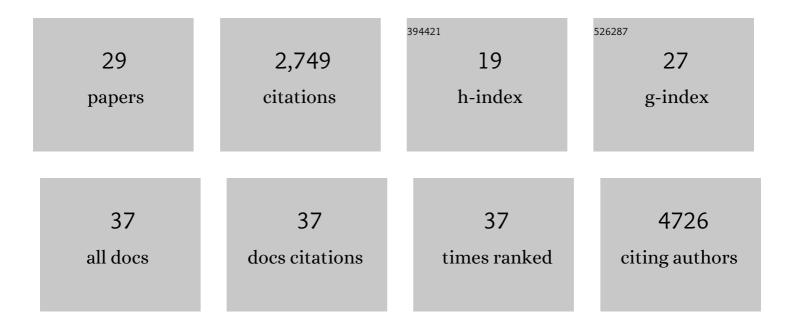
Petr Chlanda

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	SARS-CoV-2 structure and replication characterized by in situ cryo-electron tomography. Nature Communications, 2020, 11, 5885.	12.8	514
3	Three-Dimensional Architecture and Biogenesis of Membrane Structures Associated with Hepatitis C Virus Replication. PLoS Pathogens, 2012, 8, e1003056.	4.7	429
4	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
5	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
6	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
7	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
8	Membrane Rupture Generates Single Open Membrane Sheets during Vaccinia Virus Assembly. Cell Host and Microbe, 2009, 6, 81-90.	11.0	73
9	Whole Cell Cryo-Electron Tomography Reveals Distinct Disassembly Intermediates of Vaccinia Virus. PLoS ONE, 2007, 2, e420.	2.5	69
10	Eukaryotic-Like Virus Budding in <i>Archaea</i> . MBio, 2016, 7, .	4.1	65
11	Reorganization of the Endosomal System in Salmonella-Infected Cells: The Ultrastructure of Salmonella-Induced Tubular Compartments. PLoS Pathogens, 2014, 10, e1004374.	4.7	64
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	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
14	Protein–lipid interactions critical to replication of the influenza A virus. FEBS Letters, 2016, 590, 1940-1954.	2.8	36
15	Post-correlation on-lamella cryo-CLEM reveals the membrane architecture of lamellar bodies. Communications Biology, 2021, 4, 137.	4.4	35
16	Open membranes are the precursors for assembly of large DNA viruses. Cellular Microbiology, 2013, 15, n/a-n/a.	2.1	31
17	Poxvirus membrane biogenesis: rupture not disruption. Cellular Microbiology, 2013, 15, 190-199.	2.1	29
18	Cryo-electron Microscopy of Vitreous Sections. Methods in Molecular Biology, 2014, 1117, 193-214.	0.9	26

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#	Article	IF	CITATIONS
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. MBio, 2022, 13, e0370521.	4.1	22
20	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
21	High-throughput ultrastructure screening using electron microscopy and fluorescent barcoding. Journal of Cell Biology, 2019, 218, 2797-2811.	5.2	18
22	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
23	Vaccinia virus lacking A17 induces complex membrane structures composed of open membrane sheets. Archives of Virology, 2011, 156, 1647-1653.	2.1	7
24	The sleeping beauty kissed awake: new methods in electron microscopy to study cellular membranes. Biochemical Journal, 2017, 474, 1041-1053.	3.7	7
25	Expression of soluble TGF-Î ² receptor II by recombinant Vaccinia virus enhances E7 specific immunotherapy of HPV16 tumors. Neoplasma, 2011, 58, 181-188.	1.6	4
26	Influenza Hemagglutinin and M2 ion channel priming by trypsin: Killing two birds with one stone. Virology, 2017, 509, 131-132.	2.4	3
27	Long, Saturated Chains: Tasty Domains for Kinases of Insulin Resistance. Developmental Cell, 2011, 21, 604-606.	7.0	2
28	Cryo-electron Tomography of Whole Cells. Imaging & Microscopy, 2007, 9, 50-53.	0.1	0
20	The cleavage of spike protein ĐĐO→ĐĐ1/HA2 by trypsin permits activation of the M2 channel without its	94	0

proteolytic cleavage in the influenza A virus. Virologý, 2021, 559, 86-88.