Philippe Plattet

List of Publications by Year
in descending order

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37 papers	986 citations	394421 19 h-index	434195 31 g-index
38 all docs	38 docs citations	38 times ranked	964 citing authors

#	Article	IF	Citations
1	Measles Virus Fusion Protein: Structure, Function and Inhibition. Viruses, 2016, 8, 112.	3.3	72
2	Experimental Adaptation of Wild-Type Canine Distemper Virus (CDV) to the Human Entry Receptor CD150. PLoS ONE, 2013, 8, e57488.	2.5	66
3	Structural Rearrangements of the Central Region of the Morbillivirus Attachment Protein Stalk Domain Trigger F Protein Refolding for Membrane Fusion. Journal of Biological Chemistry, 2012, 287, 16324-16334.	3.4	63
4	Triggering the measles virus membrane fusion machinery. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3018-27.	7.1	63
5	Envelope Protein Dynamics in Paramyxovirus Entry. MBio, 2013, 4, .	4.1	62
6	Mechanism for Active Membrane Fusion Triggering by Morbillivirus Attachment Protein. Journal of Virology, 2013, 87, 314-326.	3.4	54
7	Two Domains of the V Protein of Virulent Canine Distemper Virus Selectively Inhibit STAT1 and STAT2 Nuclear Import. Journal of Virology, 2010, 84, 6328-6343.	3.4	53
8	Canine distemper virus persistence in demyelinating encephalitis by swift intracellular cell-to-cell spread in astrocytes is controlled by the viral attachment protein. Acta Neuropathologica, 2010, 119, 617-630.	7.7	45
9	Molecular Determinants Defining the Triggering Range of Prefusion F Complexes of Canine Distemper Virus. Journal of Virology, 2014, 88, 2951-2966.	3.4	36
10	Sequential Conformational Changes in the Morbillivirus Attachment Protein Initiate the Membrane Fusion Process. PLoS Pathogens, 2015, 11, e1004880.	4.7	35
11	Structures and dynamics of the novel S1/S2 protease cleavage site loop of the SARS-CoV-2 spike glycoprotein. Journal of Structural Biology: X, 2020, 4, 100038.	1.3	34
12	Signal Peptide and Helical Bundle Domains of Virulent Canine Distemper Virus Fusion Protein Restrict Fusogenicity. Journal of Virology, 2007, 81, 11413-11425.	3.4	33
13	SLAM- and Nectin-4-Independent Noncytolytic Spread of Canine Distemper Virus in Astrocytes. Journal of Virology, 2015, 89, 5724-5733.	3.4	33
14	Identification of Key Residues in Virulent Canine Distemper Virus Hemagglutinin That Control CD150/SLAM-Binding Activity. Journal of Virology, 2010, 84, 9618-9624.	3.4	32
15	Canine Distemper Virus Infects Canine Keratinocytes and Immune Cells by Using Overlapping and Distinct Regions Located on One Side of the Attachment Protein. Journal of Virology, 2011, 85, 11242-11254.	3.4	31
16	Biparatopic sybodies neutralize SARSâ€CoVâ€2 variants of concern and mitigate drug resistance. EMBO Reports, 2022, 23, e54199.	4.5	30
17	Recovery of a persistent Canine distemper virus expressing the enhanced green fluorescent protein from cloned cDNA. Virus Research, 2004, 101, 147-153.	2.2	29
18	The fusion protein of wild-type canine distemper virus is a major determinant of persistent infection. Virology, 2005, 337, 312-326.	2.4	27

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19	Conserved Leucine Residue in the Head Region of Morbillivirus Fusion Protein Regulates the Large Conformational Change during Fusion Activity. Biochemistry, 2009, 48, 9112-9121.	2.5	24
20	Canine Distemper Virus Fusion Activation: Critical Role of Residue E123 of CD150/SLAM. Journal of Virology, 2016, 90, 1622-1637.	3.4	21
21	Synergistic inhibition in cellâ€“cell fusion mediated by the matrix and nucleocapsid protein of canine distemper virus. Virus Research, 2007, 129, 145-154.	2.2	18
22	Efficient replication of a paramyxovirus independent of full zippering of the fusion protein six-helix bundle domain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3795-E3804.	7.1	16
23	Adaptation of canine distemper virus to canine footpad keratinocytes modifies polymerase activity and fusogenicity through amino acid substitutions in the P/V/C and H proteins. Virology, 2007, 359, 6-18.	2.4	15
24	Morbillivirus Glycoprotein Expression Induces ER Stress, Alters Ca2+ Homeostasis and Results in the Release of Vasostatin. PLoS ONE, 2012, 7, e32803.	2.5	14
25	Regulatory Role of the Morbillivirus Attachment Protein Head-to-Stalk Linker Module in Membrane Fusion Triggering. Journal of Virology, 2018, 92, .	3.4	13
26	Canine Distemper Virus Envelope Protein Interactions Modulated by Hydrophobic Residues in the Fusion Protein Globular Head. Journal of Virology, 2015, 89, 1445-1451.	3.4	12
27	Dimerization Efficiency of Canine Distemper Virus Matrix Protein Regulates Membrane-Budding Activity. Journal of Virology, 2017, 91, .	3.4	12
28	Primary resistance mechanism of the canine distemper virus fusion protein against a small-molecule membrane fusion inhibitor. Virus Research, 2019, 259, 28-37.	2.2	10
29	Clustered Lysine Residues of the Canine Distemper Virus Matrix Protein Regulate Membrane Association and Budding Activity. Journal of Virology, 2020, 95, .	3.4	7
30	Antiviral Screen against Canine Distemper Virus-Induced Membrane Fusion Activity. Viruses, 2021, 13, 128.	3.3	7
31	Highly Potent Host-Specific Small-Molecule Inhibitor of Paramyxovirus and Pneumovirus Replication with High Resistance Barrier. MBio, 2021, 12, e0262121.	4.1	5
32	Cryo-EM structure of the prefusion state of canine distemper virus fusion protein ectodomain. Journal of Structural Biology: X, 2020, 4, 100021.	1.3	4
33	Selective SLAM/CD150 receptor-detargeting of canine distemper virus. Virus Research, 2022, 318, 198841.	2.2	3
34	Oligomerization and Cell Egress Controlled by Two Microdomains of Canine Distemper Virus Matrix Protein. MSphere, 2021, 6, .	2.9	2
35	Efficient recovery of attenuated canine distemper virus from cDNA. Virus Research, 2022, 316, 198796.	2.2	2
36	Persistent Infection of a Canine Histiocytic Sarcoma Cell Line with Attenuated Canine Distemper Virus Expressing Vasostatin or Granulocyte-Macrophage Colony-Stimulating Factor. International Journal of Molecular Sciences, 2022, 23, 6156.	4.1	2

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37	Heterologous Expression of Equine CYP3A94 and Investigation of a Tunable System to Regulate Co-Expressed NADPH P450 Oxidoreductase Levels. PLoS ONE, 2014, 9, e113540.	2.5	1