JÃ©rÃ©mie PrÃ©vost

List of Publications by Year
in descending order

56 papers	3,469 citations	196777 29 h-index	198040 52 g-index
74 all docs	74 docs citations	74 times ranked	5071 citing authors

#	Article	IF	Citations
1	Convalescent plasma for hospitalized patients with COVID-19: an open-label, randomized controlled trial. Nature Medicine, 2021, 27, 2012-2024.	15.2	206
2	Cross-Sectional Evaluation of Humoral Responses against SARS-CoV-2 Spike. Cell Reports Medicine, 2020, 1, 100126.	3.3	200
3	Decline of Humoral Responses against SARS-CoV-2 Spike in Convalescent Individuals. MBio, 2020, 11, .	1.8	186
4	A single dose of the SARS-CoV-2 vaccine BNT162b2 elicits Fc-mediated antibody effector functions and TÂcell responses. Cell Host and Microbe, 2021, 29, 1137-1150.e6.	5.1	173
5	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. Immunity, 2021, 54, 2143-2158.e15.	6.6	155
6	Vaccine-Induced Protection from Homologous Tier 2 SHIV Challenge in Nonhuman Primates Depends on Serum-Neutralizing Antibody Titers. Immunity, 2019, 50, 241-252.e6.	6.6	153
7	Real-Time Conformational Dynamics of SARS-CoV-2 Spikes on Virus Particles. Cell Host and Microbe, 2020, 28, 880-891.e8.	5.1	153
8	Longitudinal analysis of humoral immunity against SARS-CoV-2 Spike in convalescent individuals up to 8Âmonths post-symptom onset. Cell Reports Medicine, 2021, 2, 100290.	3.3	145
9	Waning of SARS-CoV-2 RBD antibodies in longitudinal convalescent plasma samples within 4 months after symptom onset. Blood, 2020, 136, 2588-2591.	0.6	127
10	Structural basis and mode of action for two broadly neutralizing antibodies against SARS-CoV-2 emerging variants of concern. Cell Reports, 2022, 38, 110210.	2.9	96
11	Major role of IgM in the neutralizing activity of convalescent plasma against SARS-CoV-2. Cell Reports, 2021, 34, 108790.	2.9	94
12	An Asymmetric Opening of HIV-1 Envelope Mediates Antibody-Dependent Cellular Cytotoxicity. Cell Host and Microbe, 2019, 25, 578-587.e5.	5.1	93
13	Strong humoral immune responses against SARS-CoV-2 Spike after BNT162b2 mRNA vaccination with a 16-week interval between doses. Cell Host and Microbe, 2022, 30, 97-109.e5.	5.1	83
14	Uninfected Bystander Cells Impact the Measurement of HIV-Specific Antibody-Dependent Cellular Cytotoxicity Responses. MBio, 2018, 9, .	1.8	82
15	A Fc-enhanced NTD-binding non-neutralizing antibody delays virus spread and synergizes with a nAb to protect mice from lethal SARS-CoV-2 infection. Cell Reports, 2022, 38, 110368.	2.9	82
16	The great escape? SARS-CoV-2 variants evading neutralizing responses. Cell Host and Microbe, 2021, 29, 322-324.	5.1	78
17	Contribution of single mutations to selected SARS-CoV-2 emerging variants spike antigenicity. Virology, 2021, 563, 134-145.	1.1	74
18	A Highly Conserved Residue of the HIV-1 gp120 Inner Domain Is Important for Antibody-Dependent Cellular Cytotoxicity Responses Mediated by Anti-cluster A Antibodies. Journal of Virology, 2016, 90, 2127-2134.	1.5	69

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19	Co-receptor Binding Site Antibodies Enable CD4-Mimetics to Expose Conserved Anti-cluster A ADCC Epitopes on HIV-1 Envelope Glycoproteins. EBioMedicine, 2016, 12, 208-218.	2.7	65
20	Impact of HIV-1 Envelope Conformation on ADCC Responses. Trends in Microbiology, 2018, 26, 253-265.	3.5	64
21	Incomplete Downregulation of CD4 Expression Affects HIV-1 Env Conformation and Antibody-Dependent Cellular Cytotoxicity Responses. Journal of Virology, 2018, 92, .	1.5	56
22	Residues in the gp41 Ectodomain Regulate HIV-1 Envelope Glycoprotein Conformational Transitions Induced by gp120-Directed Inhibitors. Journal of Virology, 2017, 91, .	1.5	53
23	Influence of the Envelope gp120 Phe 43 Cavity on HIV-1 Sensitivity to Antibody-Dependent Cell-Mediated Cytotoxicity Responses. Journal of Virology, 2017, 91, .	1.5	52
24	SARS-CoV-2 Omicron Spike recognition by plasma from individuals receiving BNT162b2 mRNA vaccination with a 16-week interval between doses. Cell Reports, 2022, 38, 110429.	2.9	50
25	A CD4-mimetic compound enhances vaccine efficacy against stringent immunodeficiency virus challenge. Nature Communications, 2018, 9, 2363.	5.8	46
26	Two Families of Env Antibodies Efficiently Engage Fc-Gamma Receptors and Eliminate HIV-1-Infected Cells. Journal of Virology, 2019, 93, .	1.5	44
27	Impact of temperature on the affinity of SARS-CoV-2 Spike glycoprotein for host ACE2. Journal of Biological Chemistry, 2021, 297, 101151.	1.6	42
28	BST-2 Expression Modulates Small CD4-Mimetic Sensitization of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. Journal of Virology, 2017, 91, .	1.5	40
29	Envelope glycoproteins sampling states 2/3 are susceptible to ADCC by sera from HIV-1-infected individuals. Virology, 2018, 515, 38-45.	1.1	40
30	The HIV-1 Env gp120 Inner Domain Shapes the Phe43 Cavity and the CD4 Binding Site. MBio, 2020, 11, .	1.8	37
31	Evaluation of a Commercial Culture-Free Neutralization Antibody Detection Kit for Severe Acute Respiratory Syndrome-Related Coronavirus-2 and Comparison With an Antireceptor-Binding Domain Enzyme-Linked Immunosorbent Assay. Open Forum Infectious Diseases, 2021, 8, ofab220.	0.4	33
32	Antibody-Induced Internalization of HIV-1 Env Proteins Limits Surface Expression of the Closed Conformation of Env. Journal of Virology, 2019, 93, .	1.5	32
33	Integrated immunovirological profiling validates plasma SARS-CoV-2 RNA as an early predictor of COVID-19 mortality. Science Advances, 2021, 7, eabj5629.	4.7	32
34	Impaired Downregulation of NKG2D Ligands by Nef Proteins from Elite Controllers Sensitizes HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. Journal of Virology, 2017, 91, .	1.5	30
35	Interaction of Human ACE2 to Membrane-Bound SARS-CoV-1 and SARS-CoV-2 S Glycoproteins. Viruses, 2020, 12, 1104.	1.5	29
36	Modulating HIV-1 envelope glycoprotein conformation to decrease the HIV-1 reservoir. Cell Host and Microbe, 2021, 29, 904-916.e6.	5.1	29

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37	A new flow cytometry assay to measure antibody-dependent cellular cytotoxicity against SARS-CoV-2 Spike-expressing cells. STAR Protocols, 2021, 2, 100851.	0.5	28
38	A New Family of Small-Molecule CD4-Mimetic Compounds Contacts Highly Conserved Aspartic Acid 368 of HIV-1 gp120 and Mediates Antibody-Dependent Cellular Cytotoxicity. Journal of Virology, 2019, 93, .	1.5	26
39	SOSIP Changes Affect Human Immunodeficiency Virus Type 1 Envelope Glycoprotein Conformation and CD4 Engagement. Journal of Virology, 2018, 92, .	1.5	24
40	Identification of SARS-CoV-2â€“specific immune alterations in acutely ill patients. Journal of Clinical Investigation, 2021, 131, .	3.9	24
41	Histidine 375 Modulates CD4 Binding in HIV-1 CRF01_AE Envelope Glycoproteins. Journal of Virology, 2017, 91, .	1.5	23
42	SARS-CoV-2 seroprevalence among blood donors in QuÃ©bec, and analysis of symptoms associated with seropositivity: a nested case-control study. Canadian Journal of Public Health, 2021, 112, 576-586.	1.1	18
43	Highâ€throughput detection of antibodies targeting the <scp>SARSâ€CoV</scp>â€2 <scp>Spike</scp> in longitudinal convalescent plasma samples. Transfusion, 2021, 61, 1377-1382.	0.8	17
44	Evaluating Humoral Immunity against SARS-CoV-2: Validation of a Plaque-Reduction Neutralization Test and a Multilaboratory Comparison of Conventional and Surrogate Neutralization Assays. Microbiology Spectrum, 2021, 9, e0088621.	1.2	17
45	Upregulation of BST-2 by Type I Interferons Reduces the Capacity of Vpu To Protect HIV-1-Infected Cells from NK Cell Responses. MBio, 2019, 10, .	1.8	16
46	SARS-CoV-2 Spike Expression at the Surface of Infected Primary Human Airway Epithelial Cells. Viruses, 2022, 14, 5.	1.5	16
47	A Highly Conserved gp120 Inner Domain Residue Modulates Env Conformation and Trimer Stability. Journal of Virology, 2016, 90, 8395-8409.	1.5	15
48	HIV-1 gp120 envelope glycoprotein determinants for cytokine burst in human monocytes. PLoS ONE, 2017, 12, e0174550.	1.1	15
49	CD4- and Time-Dependent Susceptibility of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. Journal of Virology, 2019, 93, .	1.5	11
50	Detection of the HIV-1 Accessory Proteins Nef and Vpu by Flow Cytometry Represents a New Tool to Study Their Functional Interplay within a Single Infected CD4 ⁺ T Cell. Journal of Virology, 2022, 96, jvi0192921.	1.5	10
51	Non-neutralizing antibodies targeting the immunogenic regions of HIV-1 envelope reduce mucosal infection and virus burden in humanized mice. PLoS Pathogens, 2022, 18, e1010183.	2.1	8
52	Elicitation of Cluster A and Co-Receptor Binding Site Antibodies Are Required to Eliminate HIV-1 Infected Cells. Microorganisms, 2020, 8, 710.	1.6	7
53	Lineage-Specific Differences between the gp120 Inner Domain Layer 3 of Human Immunodeficiency Virus and That of Simian Immunodeficiency Virus. Journal of Virology, 2016, 90, 10065-10073.	1.5	6
54	Enhanced Ability of Plant-Derived PGT121 Glycovariants To Eliminate HIV-1-Infected Cells. Journal of Virology, 2021, 95, e0079621.	1.5	6

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55	Across Functional Boundaries: Making Nonneutralizing Antibodies To Neutralize HIV-1 and Mediate Fc-Mediated Effector Killing of Infected Cells. MBio, 2021, 12, e0140521.	1.8	3
56	HIV-1 Envelope Glycoproteins Proteolytic Cleavage Protects Infected Cells from ADCC Mediated by Plasma from Infected Individuals. Viruses, 2021, 13, 2236.	1.5	2