

JÃ©rÃ©mie PrÃ©vost

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

3,469
citations

172457

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175258

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docs citations

74
times ranked

4742
citing authors

#	ARTICLE	IF	CITATIONS
1	Convalescent plasma for hospitalized patients with COVID-19: an open-label, randomized controlled trial. <i>Nature Medicine</i> , 2021, 27, 2012-2024.	30.7	206
2	Cross-Sectional Evaluation of Humoral Responses against SARS-CoV-2 Spike. <i>Cell Reports Medicine</i> , 2020, 1, 100126.	6.5	200
3	Decline of Humoral Responses against SARS-CoV-2 Spike in Convalescent Individuals. <i>MBio</i> , 2020, 11, .	4.1	186
4	A single dose of the SARS-CoV-2 vaccine BNT162b2 elicits Fc-mediated antibody effector functions and TÃcell responses. <i>Cell Host and Microbe</i> , 2021, 29, 1137-1150.e6.	11.0	173
5	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. <i>Immunity</i> , 2021, 54, 2143-2158.e15.	14.3	155
6	Vaccine-Induced Protection from Homologous Tier 2 SHIV Challenge in Nonhuman Primates Depends on Serum-Neutralizing Antibody Titers. <i>Immunity</i> , 2019, 50, 241-252.e6.	14.3	153
7	Real-Time Conformational Dynamics of SARS-CoV-2 Spikes on Virus Particles. <i>Cell Host and Microbe</i> , 2020, 28, 880-891.e8.	11.0	153
8	Longitudinal analysis of humoral immunity against SARS-CoV-2 Spike in convalescent individuals up to 8Ãmonths post-symptom onset. <i>Cell Reports Medicine</i> , 2021, 2, 100290.	6.5	145
9	Waning of SARS-CoV-2 RBD antibodies in longitudinal convalescent plasma samples within 4 months after symptom onset. <i>Blood</i> , 2020, 136, 2588-2591.	1.4	127
10	Structural basis and mode of action for two broadly neutralizing antibodies against SARS-CoV-2 emerging variants of concern. <i>Cell Reports</i> , 2022, 38, 110210.	6.4	96
11	Major role of IgM in the neutralizing activity of convalescent plasma against SARS-CoV-2. <i>Cell Reports</i> , 2021, 34, 108790.	6.4	94
12	An Asymmetric Opening of HIV-1 Envelope Mediates Antibody-Dependent Cellular Cytotoxicity. <i>Cell Host and Microbe</i> , 2019, 25, 578-587.e5.	11.0	93
13	Strong humoral immune responses against SARS-CoV-2 Spike after BNT162b2 mRNA vaccination with a 16-week interval between doses. <i>Cell Host and Microbe</i> , 2022, 30, 97-109.e5.	11.0	83
14	Uninfected Bystander Cells Impact the Measurement of HIV-Specific Antibody-Dependent Cellular Cytotoxicity Responses. <i>MBio</i> , 2018, 9, .	4.1	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. <i>Cell Reports</i> , 2022, 38, 110368.	6.4	82
16	The great escape? SARS-CoV-2 variants evading neutralizing responses. <i>Cell Host and Microbe</i> , 2021, 29, 322-324.	11.0	78
17	Contribution of single mutations to selected SARS-CoV-2 emerging variants spike antigenicity. <i>Virology</i> , 2021, 563, 134-145.	2.4	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. <i>Journal of Virology</i> , 2016, 90, 2127-2134.	3.4	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. <i>EBioMedicine</i> , 2016, 12, 208-218.	6.1	65
20	Impact of HIV-1 Envelope Conformation on ADCC Responses. <i>Trends in Microbiology</i> , 2018, 26, 253-265.	7.7	64
21	Incomplete Downregulation of CD4 Expression Affects HIV-1 Env Conformation and Antibody-Dependent Cellular Cytotoxicity Responses. <i>Journal of Virology</i> , 2018, 92, .	3.4	56
22	Residues in the gp41 Ectodomain Regulate HIV-1 Envelope Glycoprotein Conformational Transitions Induced by gp120-Directed Inhibitors. <i>Journal of Virology</i> , 2017, 91, .	3.4	53
23	Influence of the Envelope gp120 Phe 43 Cavity on HIV-1 Sensitivity to Antibody-Dependent Cell-Mediated Cytotoxicity Responses. <i>Journal of Virology</i> , 2017, 91, .	3.4	52
24	SARS-CoV-2 Omicron Spike recognition by plasma from individuals receiving BNT162b2 mRNA vaccination with a 16-week interval between doses. <i>Cell Reports</i> , 2022, 38, 110429.	6.4	50
25	A CD4-mimetic compound enhances vaccine efficacy against stringent immunodeficiency virus challenge. <i>Nature Communications</i> , 2018, 9, 2363.	12.8	46
26	Two Families of Env Antibodies Efficiently Engage Fc-Gamma Receptors and Eliminate HIV-1-Infected Cells. <i>Journal of Virology</i> , 2019, 93, .	3.4	44
27	Impact of temperature on the affinity of SARS-CoV-2 Spike glycoprotein for host ACE2. <i>Journal of Biological Chemistry</i> , 2021, 297, 101151.	3.4	42
28	BST-2 Expression Modulates Small CD4-Mimetic Sensitization of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Virology</i> , 2017, 91, .	3.4	40
29	Envelope glycoproteins sampling states 2/3 are susceptible to ADCC by sera from HIV-1-infected individuals. <i>Virology</i> , 2018, 515, 38-45.	2.4	40
30	The HIV-1 Env gp120 Inner Domain Shapes the Phe43 Cavity and the CD4 Binding Site. <i>MBio</i> , 2020, 11, .	4.1	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. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab220.	0.9	33
32	Antibody-Induced Internalization of HIV-1 Env Proteins Limits Surface Expression of the Closed Conformation of Env. <i>Journal of Virology</i> , 2019, 93, .	3.4	32
33	Integrated immunovirological profiling validates plasma SARS-CoV-2 RNA as an early predictor of COVID-19 mortality. <i>Science Advances</i> , 2021, 7, eabj5629.	10.3	32
34	Impaired Downregulation of NKG2D Ligands by Nef Proteins from Elite Controllers Sensitizes HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Virology</i> , 2017, 91, .	3.4	30
35	Interaction of Human ACE2 to Membrane-Bound SARS-CoV-1 and SARS-CoV-2 S Glycoproteins. <i>Viruses</i> , 2020, 12, 1104.	3.3	29
36	Modulating HIV-1 envelope glycoprotein conformation to decrease the HIV-1 reservoir. <i>Cell Host and Microbe</i> , 2021, 29, 904-916.e6.	11.0	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.	1.2	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, .	3.4	26
39	SOSIP Changes Affect Human Immunodeficiency Virus Type 1 Envelope Glycoprotein Conformation and CD4 Engagement. Journal of Virology, 2018, 92, .	3.4	24
40	Identification of SARS-CoV-2â€“specific immune alterations in acutely ill patients. Journal of Clinical Investigation, 2021, 131, .	8.2	24
41	Histidine 375 Modulates CD4 Binding in HIV-1 CRF01_AE Envelope Glycoproteins. Journal of Virology, 2017, 91, .	3.4	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.	2.3	18
43	Highâ€“throughput detection of antibodies targeting the <scp>SARSâ€“CoV</scp>â€“ <scp>Spike</scp> in longitudinal convalescent plasma samples. Transfusion, 2021, 61, 1377-1382.	1.6	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.	3.0	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, .	4.1	16
46	SARS-CoV-2 Spike Expression at the Surface of Infected Primary Human Airway Epithelial Cells. Viruses, 2022, 14, 5.	3.3	16
47	A Highly Conserved gp120 Inner Domain Residue Modulates Env Conformation and Trimer Stability. Journal of Virology, 2016, 90, 8395-8409.	3.4	15
48	HIV-1 gp120 envelope glycoprotein determinants for cytokine burst in human monocytes. PLoS ONE, 2017, 12, e0174550.	2.5	15
49	CD4- and Time-Dependent Susceptibility of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. Journal of Virology, 2019, 93, .	3.4	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.	3.4	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.	4.7	8
52	Elicitation of Cluster A and Co-Receptor Binding Site Antibodies Are Required to Eliminate HIV-1 Infected Cells. Microorganisms, 2020, 8, 710.	3.6	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.	3.4	6
54	Enhanced Ability of Plant-Derived PGT121 Glycovariants To Eliminate HIV-1-Infected Cells. Journal of Virology, 2021, 95, e0079621.	3.4	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. <i>MBio</i> , 2021, 12, e0140521.	4.1	3
56	HIV-1 Envelope Glycoproteins Proteolytic Cleavage Protects Infected Cells from ADCC Mediated by Plasma from Infected Individuals. <i>Viruses</i> , 2021, 13, 2236.	3.3	2