

# David C Montefiori

## List of Publications by Year in descending order

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407  
papers

42,380  
citations

2802

94  
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3323

184  
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448  
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448  
docs citations

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times ranked

26026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking Changes in SARS-CoV-2 Spike: Evidence that D614G Increases Infectivity of the COVID-19 Virus. <i>Cell</i> , 2020, 182, 812-827.e19.	28.9	3,551
2	Control of Viremia in Simian Immunodeficiency Virus Infection by CD8+ Lymphocytes. <i>Science</i> , 1999, 283, 857-860.	12.6	2,072
3	Immune-Correlates Analysis of an HIV-1 Vaccine Efficacy Trial. <i>New England Journal of Medicine</i> , 2012, 366, 1275-1286.	27.0	1,699
4	Human Immunodeficiency Virus Type 1 env Clones from Acute and Early Subtype B Infections for Standardized Assessments of Vaccine-Elicited Neutralizing Antibodies. <i>Journal of Virology</i> , 2005, 79, 10108-10125.	3.4	1,025
5	Co-evolution of a broadly neutralizing HIV-1 antibody and founder virus. <i>Nature</i> , 2013, 496, 469-476.	27.8	961
6	Control of Viremia and Prevention of Clinical AIDS in Rhesus Monkeys by Cytokine-Augmented DNA Vaccination. <i>Science</i> , 2000, 290, 486-492.	12.6	876
7	Immune correlates analysis of the mRNA-1273 COVID-19 vaccine efficacy clinical trial. <i>Science</i> , 2022, 375, 43-50.	12.6	788
8	Tiered Categorization of a Diverse Panel of HIV-1 Env Pseudoviruses for Assessment of Neutralizing Antibodies. <i>Journal of Virology</i> , 2010, 84, 1439-1452.	3.4	589
9	Initial B-Cell Responses to Transmitted Human Immunodeficiency Virus Type 1: Virion-Binding Immunoglobulin M (IgM) and IgG Antibodies Followed by Plasma Anti-gp41 Antibodies with Ineffective Control of Initial Viremia. <i>Journal of Virology</i> , 2008, 82, 12449-12463.	3.4	548
10	Efficacy Trial of a DNA/rAd5 HIV-1 Preventive Vaccine. <i>New England Journal of Medicine</i> , 2013, 369, 2083-2092.	27.0	518
11	HIV-1 neutralizing antibodies induced by native-like envelope trimers. <i>Science</i> , 2015, 349, aac4223.	12.6	482
12	Measuring HIV Neutralization in a Luciferase Reporter Gene Assay. <i>Methods in Molecular Biology</i> , 2009, 485, 395-405.	0.9	466
13	Optimization and validation of the TZM-bl assay for standardized assessments of neutralizing antibodies against HIV-1. <i>Journal of Immunological Methods</i> , 2014, 409, 131-146.	1.4	435
14	Evaluating Neutralizing Antibodies Against HIV, SIV, and SHIV in Luciferase Reporter Gene Assays. <i>Current Protocols in Immunology</i> , 2004, 64, Unit 12.11.	3.6	428
15	Homologous and Heterologous Covid-19 Booster Vaccinations. <i>New England Journal of Medicine</i> , 2022, 386, 1046-1057.	27.0	418
16	Vaccine-Induced Env V1-V2 IgG3 Correlates with Lower HIV-1 Infection Risk and Declines Soon After Vaccination. <i>Science Translational Medicine</i> , 2014, 6, 228ra39.	12.4	412
17	Analysis of Memory B Cell Responses and Isolation of Novel Monoclonal Antibodies with Neutralizing Breadth from HIV-1-Infected Individuals. <i>PLoS ONE</i> , 2010, 5, e8805.	2.5	405
18	Analysis of a Clonal Lineage of HIV-1 Envelope V2/V3 Conformational Epitope-Specific Broadly Neutralizing Antibodies and Their Inferred Unmutated Common Ancestors. <i>Journal of Virology</i> , 2011, 85, 9998-10009.	3.4	393

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19	Vaccine Induction of Antibodies against a Structurally Heterogeneous Site of Immune Pressure within HIV-1 Envelope Protein Variable Regions 1 and 2. <i>Immunity</i> , 2013, 38, 176-186.	14.3	374
20	Vaccine-induced plasma IgA specific for the C1 region of the HIV-1 envelope blocks binding and effector function of IgG. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9019-9024.	7.1	371
21	Neutralizing antibody-independent containment of immunodeficiency virus challenges by DNA priming and recombinant pox virus booster immunizations. <i>Nature Medicine</i> , 1999, 5, 526-534.	30.7	370
22	Nucleoside-modified mRNA vaccines induce potent T follicular helper and germinal center B cell responses. <i>Journal of Experimental Medicine</i> , 2018, 215, 1571-1588.	8.5	366
23	Safety and immunogenicity of SARS-CoV-2 variant mRNA vaccine boosters in healthy adults: an interim analysis. <i>Nature Medicine</i> , 2021, 27, 2025-2031.	30.7	361
24	Antibody-Dependent Cellular Cytotoxicity-Mediating Antibodies from an HIV-1 Vaccine Efficacy Trial Target Multiple Epitopes and Preferentially Use the VH1 Gene Family. <i>Journal of Virology</i> , 2012, 86, 11521-11532.	3.4	357
25	The Role of Antibodies in HIV Vaccines. <i>Annual Review of Immunology</i> , 2010, 28, 413-444.	21.8	356
26	Immunogenicity of Stabilized HIV-1 Envelope Trimers with Reduced Exposure of Non-neutralizing Epitopes. <i>Cell</i> , 2015, 163, 1702-1715.	28.9	341
27	SARS-CoV-2 Omicron Variant Neutralization after mRNA-1273 Booster Vaccination. <i>New England Journal of Medicine</i> , 2022, 386, 1088-1091.	27.0	338
28	Prevalence of broadly neutralizing antibody responses during chronic HIV-1 infection. <i>Aids</i> , 2014, 28, 163-169.	2.2	334
29	SARS-CoV-2 variant B.1.1.7 is susceptible to neutralizing antibodies elicited by ancestral spike vaccines. <i>Cell Host and Microbe</i> , 2021, 29, 529-539.e3.	11.0	324
30	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization. <i>Cell Host and Microbe</i> , 2021, 29, 23-31.e4.	11.0	308
31	Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. <i>Cell</i> , 2016, 165, 449-463.	28.9	305
32	Passive transfer of modest titers of potent and broadly neutralizing anti-HIV monoclonal antibodies block SHIV infection in macaques. <i>Journal of Experimental Medicine</i> , 2014, 211, 2061-2074.	8.5	297
33	Elicitation of Robust Tier 2 Neutralizing Antibody Responses in Nonhuman Primates by HIV Envelope Trimer Immunization Using Optimized Approaches. <i>Immunity</i> , 2017, 46, 1073-1088.e6.	14.3	286
34	Global Panel of HIV-1 Env Reference Strains for Standardized Assessments of Vaccine-Elicited Neutralizing Antibodies. <i>Journal of Virology</i> , 2014, 88, 2489-2507.	3.4	274
35	Magnitude and Breadth of the Neutralizing Antibody Response in the RV144 and Vax003 HIV-1 Vaccine Efficacy Trials. <i>Journal of Infectious Diseases</i> , 2012, 206, 431-441.	4.0	273
36	Two Randomized Trials of Neutralizing Antibodies to Prevent HIV-1 Acquisition. <i>New England Journal of Medicine</i> , 2021, 384, 1003-1014.	27.0	270

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37	Evaluation of a mosaic HIV-1 vaccine in a multicentre, randomised, double-blind, placebo-controlled, phase 1/2a clinical trial (APPROACH) and in rhesus monkeys (NHP 13-19). <i>Lancet</i> , The, 2018, 392, 232-243.	13.7	269
38	Cooperation of B Cell Lineages in Induction of HIV-1-Broadly Neutralizing Antibodies. <i>Cell</i> , 2014, 158, 481-491.	28.9	266
39	Neutralizing and Infection-Enhancing Antibody Responses to Human Immunodeficiency Virus Type 1 in Long-Term Nonprogressors. <i>Journal of Infectious Diseases</i> , 1996, 173, 60-67.	4.0	264
40	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. <i>Nature</i> , 2021, 594, 253-258.	27.8	253
41	Vaccine-Induced IgG Antibodies to V1V2 Regions of Multiple HIV-1 Subtypes Correlate with Decreased Risk of HIV-1 Infection. <i>PLoS ONE</i> , 2014, 9, e87572.	2.5	248
42	Immune correlates of protection by mRNA-1273 vaccine against SARS-CoV-2 in nonhuman primates. <i>Science</i> , 2021, 373, eabj0299.	12.6	244
43	Recommendations for the Design and Use of Standard Virus Panels To Assess Neutralizing Antibody Responses Elicited by Candidate Human Immunodeficiency Virus Type 1 Vaccines. <i>Journal of Virology</i> , 2005, 79, 10103-10107.	3.4	233
44	InÂvitro and inÂvivo functions of SARS-CoV-2 infection-enhancing and neutralizing antibodies. <i>Cell</i> , 2021, 184, 4203-4219.e32.	28.9	228
45	Evidence that Ecotropic Murine Leukemia Virus Contamination in TZM-bl Cells Does Not Affect the Outcome of Neutralizing Antibody Assays with Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2009, 83, 8289-8292.	3.4	219
46	Plasma IgG to Linear Epitopes in the V2 and V3 Regions of HIV-1 gp120 Correlate with a Reduced Risk of Infection in the RV144 Vaccine Efficacy Trial. <i>PLoS ONE</i> , 2013, 8, e75665.	2.5	214
47	Staged induction of HIV-1 glycanâ€dependent broadly neutralizing antibodies. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	212
48	Neutralization of SARS-CoV-2 Variants B.1.429 and B.1.351. <i>New England Journal of Medicine</i> , 2021, 384, 2352-2354.	27.0	202
49	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. <i>Nature</i> , 2021, 594, 553-559.	27.8	199
50	Highâ€throughput quantitative analysis of HIVâ€1 and SIVâ€specific ADCCâ€mediating antibody responses. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 603-612.	1.5	197
51	Adjuvant-dependent innate and adaptive immune signatures of risk of SIVmac251 acquisition. <i>Nature Medicine</i> , 2016, 22, 762-770.	30.7	197
52	The Thai Phase III HIV Type 1 Vaccine Trial (RV144) Regimen Induces Antibodies That Target Conserved Regions Within the V2 Loop of gp120. <i>AIDS Research and Human Retroviruses</i> , 2012, 28, 1444-1457.	1.1	191
53	Diversion of HIV-1 vaccineâ€induced immunity by gp41-microbiota cross-reactive antibodies. <i>Science</i> , 2015, 349, aab1253.	12.6	191
54	Immune and Genetic Correlates of Vaccine Protection Against Mucosal Infection by SIV in Monkeys. <i>Science Translational Medicine</i> , 2011, 3, 81ra36.	12.4	179

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55	A group M consensus envelope glycoprotein induces antibodies that neutralize subsets of subtype B and C HIV-1 primary viruses. <i>Virology</i> , 2006, 353, 268-282.	2.4	176
56	Improving the Immunogenicity of Native-like HIV-1 Envelope Trimers by Hyperstabilization. <i>Cell Reports</i> , 2017, 20, 1805-1817.	6.4	171
57	Envelope residue 375 substitutions in simian-human immunodeficiency viruses enhance CD4 binding and replication in rhesus macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3413-22.	7.1	170
58	Replication competent molecular clones of HIV-1 expressing Renilla luciferase facilitate the analysis of antibody inhibition in PBMC. <i>Virology</i> , 2010, 408, 1-13.	2.4	169
59	HIV-1 Vaccine-Induced C1 and V2 Env-Specific Antibodies Synergize for Increased Antiviral Activities. <i>Journal of Virology</i> , 2014, 88, 7715-7726.	3.4	169
60	Analysis of V2 Antibody Responses Induced in Vaccinees in the ALVAC/AIDSVAX HIV-1 Vaccine Efficacy Trial. <i>PLoS ONE</i> , 2013, 8, e53629.	2.5	165
61	Antibody-virus co-evolution in HIV infection: paths for HIV vaccine development. <i>Immunological Reviews</i> , 2017, 275, 145-160.	6.0	160
62	Two Distinct Broadly Neutralizing Antibody Specificities of Different Clonal Lineages in a Single HIV-1-Infected Donor: Implications for Vaccine Design. <i>Journal of Virology</i> , 2012, 86, 4688-4692.	3.4	159
63	Presenting native-like HIV-1 envelope trimers on ferritin nanoparticles improves their immunogenicity. <i>Retrovirology</i> , 2015, 12, 82.	2.0	156
64	The SARS-CoV-2 Spike variant D614G favors an open conformational state. <i>Science Advances</i> , 2021, 7, .	10.3	156
65	Phase 1 Safety and Immunogenicity Testing of DNA and Recombinant Modified Vaccinia Ankara Vaccines Expressing HIV-1 Virus-like Particles. <i>Journal of Infectious Diseases</i> , 2011, 203, 610-619.	4.0	151
66	Containment of Simian Immunodeficiency Virus Infection in Vaccinated Macaques: Correlation with the Magnitude of Virus-Specific Pre- and Postchallenge CD4+and CD8+T Cell Responses. <i>Journal of Immunology</i> , 2002, 169, 4778-4787.	0.8	150
67	Optimal Combinations of Broadly Neutralizing Antibodies for Prevention and Treatment of HIV-1 Clade C Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005520.	4.7	150
68	Enhancing and shaping the immunogenicity of native-like HIV-1 envelope trimers with a two-component protein nanoparticle. <i>Nature Communications</i> , 2019, 10, 4272.	12.8	149
69	Immunization with Recombinant Canarypox Vectors Expressing Membrane-Anchored Glycoprotein 120 Followed by Glycoprotein 160 Boosting Fails to Generate Antibodies That Neutralize R5 Primary Isolates of Human Immunodeficiency Virus Type 1. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 2019-2035.	1.1	146
70	Human Non-neutralizing HIV-1 Envelope Monoclonal Antibodies Limit the Number of Founder Viruses during SHIV Mucosal Infection in Rhesus Macaques. <i>PLoS Pathogens</i> , 2015, 11, e1005042.	4.7	145
71	Immunization expands B cells specific to HIV-1 V3 glycan in mice and macaques. <i>Nature</i> , 2019, 570, 468-473.	27.8	145
72	Immune correlates analysis of the mRNA-1273 COVID-19 vaccine efficacy clinical trial. <i>Science</i> , 2021, , eab3435.	12.6	145

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73	Complete Protection of Neonatal Rhesus Macaques against Oral Exposure to Pathogenic Simian-Human Immunodeficiency Virus by Human Anti-HIV Monoclonal Antibodies. <i>Journal of Infectious Diseases</i> , 2004, 189, 2167-2173.	4.0	141
74	Vaccine-Elicited Tier 2 HIV-1 Neutralizing Antibodies Bind to Quaternary Epitopes Involving Glycan-Deficient Patches Proximal to the CD4 Binding Site. <i>PLoS Pathogens</i> , 2015, 11, e1004932.	4.7	141
75	Immunological and virological mechanisms of vaccine-mediated protection against SIV and HIV. <i>Nature</i> , 2014, 505, 502-508.	27.8	140
76	Potent Immune Responses in Rhesus Macaques Induced by Nonviral Delivery of a Self-amplifying RNA Vaccine Expressing HIV Type 1 Envelope With a Cationic Nanoemulsion. <i>Journal of Infectious Diseases</i> , 2015, 211, 947-955.	4.0	140
77	Sequential and Simultaneous Immunization of Rabbits with HIV-1 Envelope Glycoprotein SOSIP.664 Trimers from Clades A, B and C. <i>PLoS Pathogens</i> , 2016, 12, e1005864.	4.7	138
78	Pentavalent HIV-1 vaccine protects against simian-human immunodeficiency virus challenge. <i>Nature Communications</i> , 2017, 8, 15711.	12.8	137
79	Complement Control Proteins, CD46, CD55, and CD59, as Common Surface Constituents of Human and Simian Immunodeficiency Viruses and Possible Targets for Vaccine Protection. <i>Virology</i> , 1994, 205, 82-92.	2.4	136
80	A Phase IIA Randomized Clinical Trial of a Multiclade HIV-1 DNA Prime Followed by a Multiclade rAd5 HIV-1 Vaccine Boost in Healthy Adults (HVTN204). <i>PLoS ONE</i> , 2011, 6, e21225.	2.5	131
81	Antibodies with High Avidity to the gp120 Envelope Protein in Protection from Simian Immunodeficiency Virus SIV <sub>mac251</sub> Acquisition in an Immunization Regimen That Mimics the RV-144 Thai Trial. <i>Journal of Virology</i> , 2013, 87, 1708-1719.	3.4	130
82	QS-21 promotes an adjuvant effect allowing for reduced antigen dose during HIV-1 envelope subunit immunization in humans. <i>Vaccine</i> , 2001, 19, 2080-2091.	3.8	128
83	Structural diversity of the SARS-CoV-2 Omicron spike. <i>Molecular Cell</i> , 2022, 82, 2050-2068.e6.	9.7	125
84	HIV-1 Neutralizing Antibody Signatures and Application to Epitope-Targeted Vaccine Design. <i>Cell Host and Microbe</i> , 2019, 25, 59-72.e8.	11.0	124
85	T cell-inducing vaccine durably prevents mucosal SHIV infection even with lower neutralizing antibody titers. <i>Nature Medicine</i> , 2020, 26, 932-940.	30.7	124
86	Improving Neutralization Potency and Breadth by Combining Broadly Reactive HIV-1 Antibodies Targeting Major Neutralization Epitopes. <i>Journal of Virology</i> , 2015, 89, 2659-2671.	3.4	123
87	Immune perturbations in HIV-infected individuals who make broadly neutralizing antibodies. <i>Science Immunology</i> , 2016, 1, aag0851.	11.9	120
88	Potent and broad HIV-neutralizing antibodies in memory B cells and plasma. <i>Science Immunology</i> , 2017, 2, .	11.9	119
89	Magnitude and Breadth of a Nonprotective Neutralizing Antibody Response in an Efficacy Trial of a Candidate HIV-1 gp120 Vaccine. <i>Journal of Infectious Diseases</i> , 2010, 202, 595-605.	4.0	118
90	Targeted selection of HIV-specific antibody mutations by engineering B cell maturation. <i>Science</i> , 2019, 366, .	12.6	118

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91	Balance of cellular and humoral immunity determines the level of protection by HIV vaccines in rhesus macaque models of HIV infection. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E992-9.	7.1	117
92	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	27.8	117
93	Structure and immunogenicity of a stabilized HIV-1 envelope trimer based on a group-M consensus sequence. Nature Communications, 2019, 10, 2355.	12.8	116
94	Epitopes for neutralizing antibodies induced by HIV-1 envelope glycoprotein BG505 SOSIP trimers in rabbits and macaques. PLoS Pathogens, 2018, 14, e1006913.	4.7	111
95	Fab and Fc contribute to maximal protection against SARS-CoV-2 following NVX-CoV2373 subunit vaccine with Matrix-M vaccination. Cell Reports Medicine, 2021, 2, 100405.	6.5	110
96	International Network for Comparison of HIV Neutralization Assays: The NeutNet Report. PLoS ONE, 2009, 4, e4505.	2.5	109
97	Control of a Mucosal Challenge and Prevention of AIDS by a Multiprotein DNA/MVA Vaccine. Science, 2001, 292, 69-74.	12.6	107
98	Towards a population-based threshold of protection for COVID-19 vaccines. Vaccine, 2022, 40, 306-315.	3.8	107
99	Prevention of Infection by a Granulocyte-Macrophage Colony-Stimulating Factor Co-Expressing DNA/Modified Vaccinia Ankara Simian Immunodeficiency Virus Vaccine. Journal of Infectious Diseases, 2011, 204, 164-173.	4.0	105
100	Attenuated Poxvirus-Based Simian Immunodeficiency Virus (SIV) Vaccines Given in Infancy Partially Protect Infant and Juvenile Macaques Against Repeated Oral Challenge With Virulent SIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2005, 38, 124-134.	2.1	104
101	Safety, pharmacokinetics, and immunological activities of multiple intravenous or subcutaneous doses of an anti-HIV monoclonal antibody, VRC01, administered to HIV-uninfected adults: Results of a phase 1 randomized trial. PLoS Medicine, 2017, 14, e1002435.	8.4	104
102	Complement-mediated antibody-dependent enhancement of HIV-1 infection requires CD4 and complement receptors. Virology, 1990, 175, 600-604.	2.4	101
103	Phase 2 Study of an HIV-1 Canarypox Vaccine (vCP1452) Alone and in Combination With rgp120. Journal of Acquired Immune Deficiency Syndromes (1999), 2007, 44, 203-212.	2.1	101
104	FCGR2C polymorphisms associate with HIV-1 vaccine protection in RV144 trial. Journal of Clinical Investigation, 2014, 124, 3879-3890.	8.2	99
105	Vaccine Induction of Heterologous Tier 2 HIV-1 Neutralizing Antibodies in Animal Models. Cell Reports, 2017, 21, 3681-3690.	6.4	97
106	Replicating Adenovirus-Simian Immunodeficiency Virus (SIV) Recombinant Priming and Envelope Protein Boosting Elicits Localized, Mucosal IgA Immunity in Rhesus Macaques Correlated with Delayed Acquisition following a Repeated Low-Dose Rectal SIV <sub>mac251</sub> Challenge. Journal of Virology, 2012, 86, 4644-4657.	3.4	95
107	DNA Vaccines Expressing Different Forms of Simian Immunodeficiency Virus Antigens Decrease Viremia upon SIVmac251 Challenge. Journal of Virology, 2005, 79, 8480-8492.	3.4	93
108	A broadly cross-reactive antibody neutralizes and protects against sarbecovirus challenge in mice. Science Translational Medicine, 2022, 14, eabj7125.	12.4	93



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109	Control of Simian/Human Immunodeficiency Virus Viremia and Disease Progression after IL-2-Augmented DNA-Modified Vaccinia Virus Ankara Nasal Vaccination in Nonhuman Primates. <i>Journal of Immunology</i> , 2004, 172, 3745-3757.	0.8	92
110	3M-052, a synthetic TLR-7/8 agonist, induces durable HIV-1 envelope-specific plasma cells and humoral immunity in nonhuman primates. <i>Science Immunology</i> , 2020, 5, .	11.9	90
111	Enhanced Avidity Maturation of Antibody to Human Immunodeficiency Virus Envelope: DNA Vaccination with gp120-C3d Fusion Proteins. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 829-835.	1.1	89
112	Neutralization tiers of HIV-1. <i>Current Opinion in HIV and AIDS</i> , 2018, 13, 128-136.	3.8	89
113	Neutralizing Antibodies Associated with Viremia Control in a Subset of Individuals after Treatment of Acute Human Immunodeficiency Virus Type 1 Infection. <i>Journal of Virology</i> , 2001, 75, 10200-10207.	3.4	87
114	Initiation of immune tolerance-controlled HIV gp41 neutralizing B cell lineages. <i>Science Translational Medicine</i> , 2016, 8, 336ra62.	12.4	86
115	Subtype C ALVAC-HIV and bivalent subtype C gp120/MF59 HIV-1 vaccine in low-risk, HIV-uninfected, South African adults: a phase 1/2 trial. <i>Lancet HIV</i> , 2018, 5, e366-e378.	4.7	86
116	Adeno-associated virus vectored immunoprophylaxis to prevent HIV in healthy adults: a phase 1 randomised controlled trial. <i>Lancet HIV</i> , 2019, 6, e230-e239.	4.7	84
117	Antigenicity and Immunogenicity of Transmitted/Founder, Consensus, and Chronic Envelope Glycoproteins of Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2013, 87, 4185-4201.	3.4	83
118	Tracking HIV-1 recombination to resolve its contribution to HIV-1 evolution in natural infection. <i>Nature Communications</i> , 2018, 9, 1928.	12.8	83
119	Mimicry of an HIV broadly neutralizing antibody epitope with a synthetic glycopeptide. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	81
120	Features of Recently Transmitted HIV-1 Clade C Viruses that Impact Antibody Recognition: Implications for Active and Passive Immunization. <i>PLoS Pathogens</i> , 2016, 12, e1005742.	4.7	81
121	Characterization of HIV-1 Nucleoside-Modified mRNA Vaccines in Rabbits and Rhesus Macaques. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 15, 36-47.	5.1	79
122	Genetic Signatures in the Envelope Glycoproteins of HIV-1 that Associate with Broadly Neutralizing Antibodies. <i>PLoS Computational Biology</i> , 2010, 6, e1000955.	3.2	78
123	Initiation of HIV neutralizing B cell lineages with sequential envelope immunizations. <i>Nature Communications</i> , 2017, 8, 1732.	12.8	76
124	GM-CSF DNA: An adjuvant for higher avidity IgG, rectal IgA, and increased protection against the acute phase of a SHIV-89.6P challenge by a DNA/MVA immunodeficiency virus vaccine. <i>Virology</i> , 2007, 369, 153-167.	2.4	75
125	Impact of Clade, Geography, and Age of the Epidemic on HIV-1 Neutralization by Antibodies. <i>Journal of Virology</i> , 2014, 88, 12623-12643.	3.4	75
126	Specificity and 6-Month Durability of Immune Responses Induced by DNA and Recombinant Modified Vaccinia Ankara Vaccines Expressing HIV-1 Virus-Like Particles. <i>Journal of Infectious Diseases</i> , 2014, 210, 99-110.	4.0	73



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127	A modified vaccinia Ankara vector-based vaccine protects macaques from SARS-CoV-2 infection, immune pathology, and dysfunction in the lungs. <i>Immunity</i> , 2021, 54, 542-556.e9.	14.3	72
128	Evaluation of Cell-Based and Surrogate SARS-CoV-2 Neutralization Assays. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0052721.	3.9	71
129	Development and implementation of an international proficiency testing program for a neutralizing antibody assay for HIV-1 in TZM-bl cells. <i>Journal of Immunological Methods</i> , 2012, 375, 57-67.	1.4	69
130	Vaccine Elicitation of High Mannose-Dependent Neutralizing Antibodies against the V3-Glycan Broadly Neutralizing Epitope in Nonhuman Primates. <i>Cell Reports</i> , 2017, 18, 2175-2188.	6.4	69
131	An Engineered <i>Saccharomyces cerevisiae</i> Strain Binds the Broadly Neutralizing Human Immunodeficiency Virus Type 1 Antibody 2G12 and Elicits Mannose-Specific gp120-Binding Antibodies. <i>Journal of Virology</i> , 2008, 82, 6447-6457.	3.4	68
132	Potential of conventional & bispecific broadly neutralizing antibodies for prevention of HIV-1 subtype A, C & D infections. <i>PLoS Pathogens</i> , 2018, 14, e1006860.	4.7	68
133	Systemic Immunization with an ALVAC-HIV-1/Protein Boost Vaccine Strategy Protects Rhesus Macaques from CD4 + T-Cell Loss and Reduces both Systemic and Mucosal Simian-Human Immunodeficiency Virus SHIV KU2 RNA Levels. <i>Journal of Virology</i> , 2006, 80, 3732-3742.	3.4	67
134	IL-12 DNA as molecular vaccine adjuvant increases the cytotoxic T cell responses and breadth of humoral immune responses in SIV DNA vaccinated macaques. <i>Human Vaccines and Immunotherapeutics</i> , 2012, 8, 1620-1629.	3.3	67
135	Comparative Evaluation of Simian, Simian-Human, and Human Immunodeficiency Virus Infections in the Pigtail Macaque ( <i>Macaca nemestrina</i> ) Model. <i>AIDS Research and Human Retroviruses</i> , 2006, 22, 580-588.	1.1	66
136	Strain-Specific V3 and CD4 Binding Site Autologous HIV-1 Neutralizing Antibodies Select Neutralization-Resistant Viruses. <i>Cell Host and Microbe</i> , 2015, 18, 354-362.	11.0	66
137	Immunogenicity in Rabbits of HIV-1 SOSIP Trimers from Clades A, B, and C, Given Individually, Sequentially, or in Combination. <i>Journal of Virology</i> , 2018, 92, .	3.4	66
138	Closing and Opening Holes in the Glycan Shield of HIV-1 Envelope Glycoprotein SOSIP Trimers Can Redirect the Neutralizing Antibody Response to the Newly Unmasked Epitopes. <i>Journal of Virology</i> , 2019, 93, .	3.4	66
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