John R Mascola

List of Publications by Year
in descending order

384	73,440	433	794
papers	citations	131 h-index	247 g-index

411	411	411	43222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficacy and Safety of the mRNA-1273 SARS-CoV-2 Vaccine. New England Journal of Medicine, 2021, 384, 403-416.	13.9	7,910
2	An mRNA Vaccine against SARS-CoV-2 â€" Preliminary Report. New England Journal of Medicine, 2020, 383, 1920-1931.	13.9	2,719
3	Antibody resistance of SARS-CoV-2 variants B.1.351 and B.1.1.7. Nature, 2021, 593, 130-135.	13.7	1,904
4	Rational Design of Envelope Identifies Broadly Neutralizing Human Monoclonal Antibodies to HIV-1. Science, 2010, 329, 856-861.	6.0	1,600
5	Protection of macaques against vaginal transmission of a pathogenic HIV-1/SIV chimeric virus by passive infusion of neutralizing antibodies. Nature Medicine, 2000, 6, 207-210.	15.2	1,237
6	SARS-CoV-2 mRNA vaccine design enabled by prototype pathogen preparedness. Nature, 2020, 586, 567-571.	13.7	1,153
7	Structural Basis for Broad and Potent Neutralization of HIV-1 by Antibody VRC01. Science, 2010, 329, 811-817.	6.0	1,050
8	Human Immunodeficiency Virus Type 1 env Clones from Acute and Early Subtype B Infections for Standardized Assessments of Vaccine-Elicited Neutralizing Antibodies. Journal of Virology, 2005, 79, 10108-10125.	1.5	1,025
9	Co-evolution of a broadly neutralizing HIV-1 antibody and founder virus. Nature, 2013, 496, 469-476.	13.7	961
10	Evaluation of the mRNA-1273 Vaccine against SARS-CoV-2 in Nonhuman Primates. New England Journal of Medicine, 2020, 383, 1544-1555.	13.9	936
11	Broad diversity of neutralizing antibodies isolated from memory B cells in HIV-infected individuals. Nature, 2009, 458, 636-640.	13.7	806
12	Structure of HIV-1 gp120 V1/V2 domain with broadly neutralizing antibody PG9. Nature, 2011, 480, 336-343.	13.7	794
13	Focused Evolution of HIV-1 Neutralizing Antibodies Revealed by Structures and Deep Sequencing. Science, 2011, 333, 1593-1602.	6.0	788
14	Broad and potent neutralization of HIV-1 by a gp41-specific human antibody. Nature, 2012, 491, 406-412.	13.7	753
15	Protection of Macaques against Pathogenic Simian/Human Immunodeficiency Virus 89.6PD by Passive Transfer of Neutralizing Antibodies. Journal of Virology, 1999, 73, 4009-4018.	1.5	725
16	Structure and immune recognition of trimeric pre-fusion HIV-1 Env. Nature, 2014, 514, 455-461.	13.7	702
17	Developmental pathway for potent V1V2-directed HIV-neutralizing antibodies. Nature, 2014, 509, 55-62.	13.7	681
18	Durability of Responses after SARS-CoV-2 mRNA-1273 Vaccination. New England Journal of Medicine, 2021, 384, 80-82.	13.9	665

#	Article	IF	Citations
19	Antibody Persistence through 6 Months after the Second Dose of mRNA-1273 Vaccine for Covid-19. New England Journal of Medicine, 2021, 384, 2259-2261.	13.9	603
20	Tiered Categorization of a Diverse Panel of HIV-1 Env Pseudoviruses for Assessment of Neutralizing Antibodies. Journal of Virology, 2010, 84, 1439-1452.	1.5	589
21	Human skin Langerhans cells are targets of dengue virus infection. Nature Medicine, 2000, 6, 816-820.	15.2	586
22	Hemagglutinin-stem nanoparticles generate heterosubtypic influenza protection. Nature Medicine, 2015, 21, 1065-1070.	15.2	567
23	Efficacy Trial of a DNA/rAd5 HIV-1 Preventive Vaccine. New England Journal of Medicine, 2013, 369, 2083-2092.	13.9	518
24	The role of viral phenotype and CCR-5 gene defects in HIV-1 transmission and disease progression. Nature Medicine, 1997, 3, 338-340.	15.2	480
25	Durability of mRNA-1273 vaccineâ€“induced antibodies against SARS-CoV-2 variants. Science, 2021, 373, 1372-1377.	6.0	459
26	Structure and Mechanistic Analysis of the Anti-Human Immunodeficiency Virus Type 1 Antibody 2F5 in Complex with Its gp41 Epitope. Journal of Virology, 2004, 78, 10724-10737.	1.5	452
27	Gene transfer in humans using a conditionally replicating lentiviral vector. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17372-17377.	3.3	452
28	<scp>HIV</scp>â€1 neutralizing antibodies: understanding nature's pathways. Immunological Reviews, 2013, 254, 225-244.	2.8	442
29	Optimization and validation of the TZM-bl assay for standardized assessments of neutralizing antibodies against HIV-1. Journal of Immunological Methods, 2014, 409, 131-146.	0.6	435
30	A strategic approach to COVID-19 vaccine R&D. Science, 2020, 368, 948-950.	6.0	419
31	Human Antibodies that Neutralize HIV-1: Identification, Structures, and B Cell Ontogenies. Immunity, 2012, 37, 412-425.	6.6	417
32	Efficacy of the mRNA-1273 SARS-CoV-2 Vaccine at Completion of Blinded Phase. New England Journal of Medicine, 2021, 385, 1774-1785.	13.9	402
33	Broad and potent HIV-1 neutralization by a human antibody that binds the gp41â€“gp120 interface. Nature, 2014, 515, 138-142.	13.7	400
34	Analysis of a Clonal Lineage of HIV-1 Envelope V2/V3 Conformational Epitope-Specific Broadly Neutralizing Antibodies and Their Inferred Unmutated Common Ancestors. Journal of Virology, 2011, 85, 9998-10009.	1.5	393
35	Effect of HIV Antibody VRC01 on Viral Rebound after Treatment Interruption. New England Journal of Medicine, 2016, 375, 2037-2050.	13.9	391
36	Neutralizing antibodies generated during natural HIV-1 infection: good news for an HIV-1 vaccine?. Nature Medicine, 2009, 15, 866-870.	15.2	390

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37	Virologic effects of broadly neutralizing antibody VRC01 administration during chronic HIV-1 infection. Science Translational Medicine, 2015, 7, 319ra206.	5.8	390
38	Trimeric HIV-1-Env Structures Define Glycan Shields from Clades A, B, and G. Cell, 2016, 165, 813-826.	13.5	379
39	Vaccine Induction of Antibodies against a Structurally Heterogeneous Site of Immune Pressure within HIV-1 Envelope Protein Variable Regions 1 and 2. Immunity, 2013, 38, 176-186.	6.6	374
40	Protective monotherapy against lethal Ebola virus infection by a potently neutralizing antibody. Science, 2016, 351, 1339-1342.	6.0	370
41	Broad HIV-1 neutralization mediated by CD4-binding site antibodies. Nature Medicine, 2007, 13, 1032-1034.	15.2	364
42	Antibody responses to envelope glycoproteins in HIV-1 infection. Nature Immunology, 2015, 16, 571-576.	7.0	364
43	The Role of Antibodies in HIV Vaccines. Annual Review of Immunology, 2010, 28, 413-444.	9.5	356
44	Rapid development of a DNA vaccine for Zika virus. Science, 2016, 354, 237-240.	6.0	348
45	The neutralizing antibody, LY-CoV555, protects against SARS-CoV-2 infection in nonhuman primates. Science Translational Medicine, 2021, 13, .	5.8	347
46	Preserved CD4+ Central Memory T Cells and Survival in Vaccinated SIV-Challenged Monkeys. Science, 2006, 312, 1530-1533.	6.0	343
47	SARS-CoV-2 Omicron Variant Neutralization after mRNA-1273 Booster Vaccination. New England Journal of Medicine, 2022, 386, 1088-1091.	13.9	338
48	Profiling the Specificity of Neutralizing Antibodies in a Large Panel of Plasmas from Patients Chronically Infected with Human Immunodeficiency Virus Type 1 Subtypes B and C. Journal of Virology, 2008, 82, 11651-11668.	1.5	337
49	Prevalence of broadly neutralizing antibody responses during chronic HIV-1 infection. Aids, 2014, 28, 163-169.	1.0	334
50	Crystal structure, conformational fixation and entry-related interactions of mature ligand-free HIV-1 Env. Nature Structural and Molecular Biology, 2015, 22, 522-531.	3.6	333
51	Multidonor Analysis Reveals Structural Elements, Genetic Determinants, and Maturation Pathway for HIV-1 Neutralization by VRC01-Class Antibodies. Immunity, 2013, 39, 245-258.	6.6	332
52	Chimpanzee adenovirus vaccine generates acute and durable protective immunity against ebolavirus challenge. Nature Medicine, 2014, 20, 1126-1129.	15.2	311
53	Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. Science, 2016, 352, 828-833.	6.0	310
54	Enhanced neonatal Fc receptor function improves protection against primate SHIV infection. Nature, 2014, 514, 642-645.	13.7	308

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55	Structural Repertoire of HIV-1-Neutralizing Antibodies Targeting the CD4 Supersite in 14 Donors. Cell, 2015, 161, 1280-1292.	13.5	305
56	Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. Cell, 2016, 165, 449-463.	13.5	305
57	Breadth of Human Immunodeficiency Virus-Specific Neutralizing Activity in Sera: Clustering Analysis and Association with Clinical Variables. Journal of Virology, 2010, 84, 1631-1636.	1.5	304
58	Identification of a CD4-Binding-Site Antibody to HIV that Evolved Near-Pan Neutralization Breadth. Immunity, 2016, 45, 1108-1121.	6.6	304
59	Broadly neutralizing antibodies and the search for an HIV-1 vaccine: the end of the beginning. Nature Reviews Immunology, 2013, 13, 693-701.	10.6	302
60	Frequency and Phenotype of Human Immunodeficiency Virus Envelope-Specific B Cells from Patients with Broadly Cross-Neutralizing Antibodies. Journal of Virology, 2009, 83, 188-199.	1.5	297
61	Passive transfer of modest titers of potent and broadly neutralizing anti-HIV monoclonal antibodies block SHIV infection in macaques. Journal of Experimental Medicine, 2014, 211, 2061-2074.	4.2	297
62	Low-dose rectal inoculation of rhesus macaques by SIVsmE660 or SIVmac251 recapitulates human mucosal infection by HIV-1. Journal of Experimental Medicine, 2009, 206, 1117-1134.	4.2	295
63	LY-CoV1404 (bebtelovimab) potently neutralizes SARS-CoV-2 variants. Cell Reports, 2022, 39, 110812.	2.9	287
64	A single injection of anti-HIV-1 antibodies protects against repeated SHIV challenges. Nature, 2016, 533, 105-109.	13.7	281
65	Rational Design of an Epstein-Barr Virus Vaccine Targeting the Receptor-Binding Site. Cell, 2015, 162, 1090-1100.	13.5	278
66	HIV-1 Vaccines Based on Antibody Identification, B Cell Ontogeny, and Epitope Structure. Immunity, 2018, 48, 855-871.	6.6	277
67	Global Panel of HIV-1 Env Reference Strains for Standardized Assessments of Vaccine-Elicited Neutralizing Antibodies. Journal of Virology, 2014, 88, 2489-2507.	1.5	274
68	Structural Basis of Immune Evasion at the Site of CD4 Attachment on HIV-1 gp120. Science, 2009, 326, 1123-1127.	6.0	271
69	Molecular-level analysis of the serum antibody repertoire in young adults before and after seasonal influenza vaccination. Nature Medicine, 2016, 22, 1456-1464.	15.2	271
70	Vaccine-Induced Antibodies that Neutralize Group 1 and Group 2 Influenza A Viruses. Cell, 2016, 166, 609-623.	13.5	270
71	Two Randomized Trials of Neutralizing Antibodies to Prevent HIV-1 Acquisition. New England Journal of Medicine, 2021, 384, 1003-1014.	13.9	270
72	Cooperation of B Cell Lineages in Induction of HIV-1-Broadly Neutralizing Antibodies. Cell, 2014, 158, 481-491.	13.5	266

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73	Evaluation of candidate vaccine approaches for MERS-CoV. Nature Communications, 2015, 6, 7712.	5.8	258
74	Structural basis for diverse N-glycan recognition by HIV-1â€“neutralizing V1â€“V2â€“directed antibody PG16. Nature Structural and Molecular Biology, 2013, 20, 804-813.	3.6	257
75	Epitope-based vaccine design yields fusion peptide-directed antibodies that neutralize diverse strains of HIV-1. Nature Medicine, 2018, 24, 857-867.	15.2	256
76	Enhanced Potency of a Broadly Neutralizing HIV-1 Antibody In Vitro Improves Protection against Lentiviral Infection In Vivo. Journal of Virology, 2014, 88, 12669-12682.	1.5	248
77	Immune correlates of protection by mRNA-1273 vaccine against SARS-CoV-2 in nonhuman primates. Science, 2021, 373, eabj0299.	6.0	244
78	Chimpanzee Adenovirus Vector Ebola Vaccine. New England Journal of Medicine, 2017, 376, 928-938.	13.9	243
79	Analysis of Neutralization Specificities in Polyclonal Sera Derived from Human Immunodeficiency Virus Type 1-Infected Individuals. Journal of Virology, 2009, 83, 1045-1059.	1.5	238
80	Monoclonal Antibodies for Prevention and Treatment of COVID-19. JAMA - Journal of the American Medical Association, 2020, 324, 131.	3.8	237
81	Safety, tolerability, and immunogenicity of two Zika virus DNA vaccine candidates in healthy adults: randomised, open-label, phase 1 clinical trials. Lancet, The, 2018, 391, 552-562.	6.3	235
82	Recommendations for the Design and Use of Standard Virus Panels To Assess Neutralizing Antibody Responses Elicited by Candidate Human Immunodeficiency Virus Type 1 Vaccines. Journal of Virology, 2005, 79, 10103-10107.	1.5	233
83	A SARS DNA vaccine induces neutralizing antibody and cellular immune responses in healthy adults in a Phase I clinical trial. Vaccine, 2008, 26, 6338-6343.	1.7	230
84	InÂvitro and inÂvivo functions of SARS-CoV-2 infection-enhancing and neutralizing antibodies. Cell, 2021, 184, 4203-4219.e32.	13.5	228
85	Maturation and Diversity of the VRC01-Antibody Lineage over 15 Years of Chronic HIV-1 Infection. Cell, 2015, 161, 470-485.	13.5	226
86	Trispecific broadly neutralizing HIV antibodies mediate potent SHIV protection in macaques. Science, 2017, 358, 85-90.	6.0	225
87	Unliganded HIV-1 gp120 core structures assume the CD4-bound conformation with regulation by quaternary interactions and variable loops. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5663-5668.	3.3	222
88	Neutralizing antibodies to HIV-1 envelope protect more effectively in vivo than those to the CD4 receptor. Science Translational Medicine, 2014, 6, 243ra88.	5.8	222
89	The gene product Murr1 restricts HIV-1 replication in resting CD4+ lymphocytes. Nature, 2003, 426, 853-857.	13.7	219
90	Viral variants that initiate and drive maturation of V1V2-directed HIV-1 broadly neutralizing antibodies. Nature Medicine, 2015, 21, 1332-1336.	15.2	215

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91	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. PLoS ONE, 2013, 8, e75665.	1.1	214
92	Delineating Antibody Recognition in Polyclonal Sera from Patterns of HIV-1 Isolate Neutralization. Science, 2013, 340, 751-756.	6.0	213
93	Staged induction of HIV-1 glycanâ€“dependent broadly neutralizing antibodies. Science Translational Medicine, 2017, 9, .	5.8	212
94	Mosaic nanoparticle display of diverse influenza virus hemagglutinins elicits broad B cell responses. Nature Immunology, 2019, 20, 362-372.	7.0	211
95	Crystal Structure of PG16 and Chimeric Dissection with Somatically Related PG9: Structure-Function Analysis of Two Quaternary-Specific Antibodies That Effectively Neutralize HIV-1. Journal of Virology, 2010, 84, 8098-8110.	1.5	209
96	Mechanism of Neutralization by the Broadly Neutralizing HIV-1 Monoclonal Antibody VRC01. Journal of Virology, 2011, 85, 8954-8967.	1.5	209
97	A proof of concept for structure-based vaccine design targeting RSV in humans. Science, 2019, 365, 505-509.	6.0	207
98	Safety and tolerability of chikungunya virus-like particle vaccine in healthy adults: a phase 1 dose-escalation trial. Lancet, The, 2014, 384, 2046-2052.	6.3	206
99	New Member of the V1V2-Directed CAP256-VRC26 Lineage That Shows Increased Breadth and Exceptional Potency. Journal of Virology, 2016, 90, 76-91.	1.5	205
100	A method for identification of HIV gp140 binding memory B cells in human blood. Journal of Immunological Methods, 2009, 343, 65-67.	0.6	204
101	Induction of HIV Neutralizing Antibody Lineages in Mice with Diverse Precursor Repertoires. Cell, 2016, 166, 1471-1484.e18.	13.5	198
102	Two Antigenically Distinct Subtypes of Human Immunodeficiency Virus Type 1: Viral Genotype Predicts Neutralization Serotype. Journal of Infectious Diseases, 1994, 169, 48-54.	1.9	195
103	Differential Susceptibility to Human Immunodeficiency Virus Type 1 Infection of Myeloid and Plasmacytoid Dendritic Cells. Journal of Virology, 2005, 79, 8861-8869.	1.5	192
104	Next-generation influenza vaccines: opportunities and challenges. Nature Reviews Drug Discovery, 2020, 19, 239-252.	21.5	192
105	The Thai Phase III HIV Type 1 Vaccine Trial (RV144) Regimen Induces Antibodies That Target Conserved Regions Within the V2 Loop of gp120. AIDS Research and Human Retroviruses, 2012, 28, 1444-1457.	0.5	191
106	Diversion of HIV-1 vaccineâ€“induced immunity by gp41-microbiota cross-reactive antibodies. Science, 2015, 349, aab1253.	6.0	191
107	Broadly Neutralizing Activity of Zika Virus-Immune Sera Identifies a Single Viral Serotype. Cell Reports, 2016, 16, 1485-1491.	2.9	190
108	Myeloid and plasmacytoid dendritic cells transfer HIV-1 preferentially to antigen-specific CD4+ T cells. Journal of Experimental Medicine, 2005, 201, 2023-2033.	4.2	183

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109	Quadrivalent influenza nanoparticle vaccines induce broad protection. Nature, 2021, 592, 623-628.	13.7	180
110	Immune and Genetic Correlates of Vaccine Protection Against Mucosal Infection by SIV in Monkeys. Science Translational Medicine, 2011, 3, 81ra36.	5.8	179
111	mRNA-1273 or mRNA-Omicron boost in vaccinated macaques elicits similar B cell expansion, neutralizing responses, and protection from Omicron. Cell, 2022, 185, 1556-1571.e18.	13.5	179
112	A West Nile Virus DNA Vaccine Induces Neutralizing Antibody in Healthy Adults during a Phase 1 Clinical Trial. Journal of Infectious Diseases, 2007, 196, 1732-1740.	1.9	175
113	DNA priming and influenza vaccine immunogenicity: two phase 1 open label randomised clinical trials. Lancet Infectious Diseases, The, 2011, 11, 916-924.	4.6	174
114	Safety and pharmacokinetics of the Fc-modified HIV-1 human monoclonal antibody VRC01LS: A Phase 1 open-label clinical trial in healthy adults. PLoS Medicine, 2018, 15, e1002493.	3.9	174
115	Ultrapotent antibodies against diverse and highly transmissible SARS-CoV-2 variants. Science, 2021, 373, .	6.0	174
116	Antibody Specificities Associated with Neutralization Breadth in Plasma from Human Immunodeficiency Virus Type 1 Subtype C-Infected Blood Donors. Journal of Virology, 2009, 83, 8925-8937.	1.5	170
117	Polyclonal B Cell Responses to Conserved Neutralization Epitopes in a Subset of HIV-1-Infected Individuals. Journal of Virology, 2011, 85, 11502-11519.	1.5	168
118	Isolation of human monoclonal antibodies from peripheral blood B cells. Nature Protocols, 2013, 8, 1907-1915.	5.5	167
119	Analysis of V2 Antibody Responses Induced in Vaccinees in the ALVAC/AIDSVAX HIV-1 Vaccine Efficacy Trial. PLoS ONE, 2013, 8, e53629.	1.1	165
120	SARS-CoV-2 Viral Variantsâ€"Tackling a Moving Target. JAMA - Journal of the American Medical Association, 2021, 325, 1261.	3.8	165
121	Accelerated COVID-19 vaccine development: milestones, lessons, and prospects. Immunity, 2021, 54, 1636-1651.	6.6	165
122	Early short-term treatment with neutralizing human monoclonal antibodies halts SHIV infection in infant macaques. Nature Medicine, 2016, 22, 362-368.	15.2	163
123	Exclusive and Persistent Use of the Entry Coreceptor CXCR4 by Human Immunodeficiency Virus Type 1 from a Subject Homozygous for CCR5 Î"32. Journal of Virology, 1998, 72, 6040-6047.	1.5	163
124	A Human T-Cell Leukemia Virus Type 1 Regulatory Element Enhances the Immunogenicity of Human Immunodeficiency Virus Type 1 DNA Vaccines in Mice and Nonhuman Primates. Journal of Virology, 2005, 79, 8828-8834.	1.5	162
125	Structures of HIV-1 Env V1V2 with broadly neutralizing antibodies reveal commonalities that enable vaccine design. Nature Structural and Molecular Biology, 2016, 23, 81-90.	3.6	162
126	Quantification of the Impact of the HIV-1-Glycan Shield on Antibody Elicitation. Cell Reports, 2017, 19, 719-732.	2.9	160

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127	Two Distinct Broadly Neutralizing Antibody Specificities of Different Clonal Lineages in a Single HIV-1-Infected Donor: Implications for Vaccine Design. Journal of Virology, 2012, 86, 4688-4692.	1.5	159
128	Importance of Neutralizing Monoclonal Antibodies Targeting Multiple Antigenic Sites on the Middle East Respiratory Syndrome Coronavirus Spike Glycoprotein To Avoid Neutralization Escape. Journal of Virology, 2018, 92, .	1.5	155
129	Optimal Combinations of Broadly Neutralizing Antibodies for Prevention and Treatment of HIV-1 Clade C Infection. PLoS Pathogens, 2016, 12, e1005520.	2.1	150
130	Human Dendritic Cells as Targets of Dengue Virus Infection. Journal of Investigative Dermatology Symposium Proceedings, 2001, 6, 219-224.	0.8	149
131	Multiple roles for HIV broadly neutralizing antibodies. Science Translational Medicine, 2019, 11, .	5.8	144
132	Mining the antibodyome for HIV-1â€“neutralizing antibodies with next-generation sequencing and phylogenetic pairing of heavy/light chains. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6470-6475.	3.3	142
133	Vaccine-Elicited Tier 2 HIV-1 Neutralizing Antibodies Bind to Quaternary Epitopes Involving Glycan-Deficient Patches Proximal to the CD4 Binding Site. PLoS Pathogens, 2015, 11, e1004932.	2.1	141
134	Immunological and virological mechanisms of vaccine-mediated protection against SIV and HIV. Nature, 2014, 505, 502-508.	13.7	140
135	A West Nile Virus DNA Vaccine Utilizing a Modified Promoter Induces Neutralizing Antibody in Younger and Older Healthy Adults in a Phase I Clinical Trial. Journal of Infectious Diseases, 2011, 203, 1396-1404.	1.9	138
136	Immunoglobulin Gene Insertions and Deletions in the Affinity Maturation of HIV-1 Broadly Reactive Neutralizing Antibodies. Cell Host and Microbe, 2014, 16, 304-313.	5.1	137
137	Replication-Defective Adenovirus Serotype 5 Vectors Elicit Durable Cellular and Humoral Immune Responses in Nonhuman Primates. Journal of Virology, 2005, 79, 6516-6522.	1.5	136
138	Rational Design of Vaccines to Elicit Broadly Neutralizing Antibodies to HIV-1. Cold Spring Harbor Perspectives in Medicine, 2011, 1, a007278-a007278.	2.9	135
139	Follicular CD8 T cells accumulate in HIV infection and can kill infected cells in vitro via bispecific antibodies. Science Translational Medicine, 2017, 9, .	5.8	135
140	Phase I clinical evaluation of a six-plasmid multiclade HIV-1 DNA candidate vaccine. Vaccine, 2007, 25, 4085-4092.	1.7	134
141	Use of broadly neutralizing antibodies for <scp>HIV</scp>â€1 prevention. Immunological Reviews, 2017, 275, 296-312.	2.8	131
142	Heterologous Envelope Immunogens Contribute to AIDS Vaccine Protection in Rhesus Monkeys. Journal of Virology, 2004, 78, 7490-7497.	1.5	126
143	Priming Immunization with DNA Augments Immunogenicity of Recombinant Adenoviral Vectors for Both HIV-1 Specific Antibody and T-Cell Responses. PLoS ONE, 2010, 5, e9015.	1.1	125
144	Single-Chain Soluble BG505.SOSIP gp140 Trimers as Structural and Antigenic Mimics of Mature Closed HIV-1 Env. Journal of Virology, 2015, 89, 5318-5329.	1.5	125

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145	HIV-1 Neutralizing Antibody Signatures and Application to Epitope-Targeted Vaccine Design. Cell Host and Microbe, 2019, 25, 59-72.e8.	5.1	124
146	Development of Calibrated Viral Load Standards for Group M Subtypes of Human Immunodeficiency Virus Type 1 and Performance of an Improved AMPLICOR HIV-1 MONITOR Test with Isolates of Diverse Subtypes. Journal of Clinical Microbiology, 1999, 37, 2557-2563.	1.8	124
147	The Development of CD4 Binding Site Antibodies during HIV-1 Infection. Journal of Virology, 2012, 86, 7588-7595.	1.5	123
148	Improving Neutralization Potency and Breadth by Combining Broadly Reactive HIV-1 Antibodies Targeting Major Neutralization Epitopes. Journal of Virology, 2015, 89, 2659-2671.	1.5	123
149	HIV-1 Fitness Cost Associated with Escape from the VRC01 Class of CD4 Binding Site Neutralizing Antibodies. Journal of Virology, 2015, 89, 4201-4213.	1.5	121
150	Defining the Protective Antibody Response for HIV-1. Current Molecular Medicine, 2003, 3, 209-216.	0.6	121
151	Multiclade Human Immunodeficiency Virus Type 1 Envelope Immunogens Elicit Broad Cellular and Humoral Immunity in Rhesus Monkeys. Journal of Virology, 2005, 79, 2956-2963.	1.5	120
152	Pathogenicity of Simian-Human Immunodeficiency Virus SHIV-89.6P and SIVmac Is Attenuated in Cynomolgus Macaques and Associated with Early T-Lymphocyte Responses. Journal of Virology, 2005, 79, 8878-8885.	1.5	120
153	Quality and quantity of T _{FH} cells are critical for broad antibody development in SHIV _{AD8} infection. Science Translational Medicine, 2015, 7, 298ra120.	5.8	119
154	Potent and broad HIV-neutralizing antibodies in memory B cells and plasma. Science Immunology, 2017, 2, .	5.6	119
155	Structural basis for potent antibody neutralization of SARS-CoV-2 variants including B.1.1.529. Science, 2022, 376, eabn8897.	6.0	119
156	Structure-Based Stabilization of HIV-1 gp120 Enhances Humoral Immune Responses to the Induced Co-Receptor Binding Site. PLoS Pathogens, 2009, 5, e1000445.	2.1	113
157	The V3 Loop Is Accessible on the Surface of Most Human Immunodeficiency Virus Type 1 Primary Isolates and Serves as a Neutralization Epitope. Journal of Virology, 2004, 78, 2394-2404.	1.5	111
158	Vaccination with Glycan-Modified HIV NFL Envelope Trimer-Liposomes Elicits Broadly Neutralizing Antibodies to Multiple Sites of Vulnerability. Immunity, 2019, 51, 915-929.e7.	6.6	111
159	Broadly neutralizing antibodies target the coronavirus fusion peptide. Science, 2022, 377, 728-735.	6.0	111
160	Iterative structure-based improvement of a fusion-glycoprotein vaccine against RSV. Nature Structural and Molecular Biology, 2016, 23, 811-820.	3.6	110
161	Crystal structures of trimeric HIV envelope with entry inhibitors BMS-378806 and BMS-626529. Nature Chemical Biology, 2017, 13, 1115-1122.	3.9	110
162	PGV04, an HIV-1 gp120 CD4 Binding Site Antibody, Is Broad and Potent in Neutralization but Does Not Induce Conformational Changes Characteristic of CD4. Journal of Virology, 2012, 86, 4394-4403.	1.5	109

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163	Safety and immunogenicity of Ebola virus and Marburg virus glycoprotein DNA vaccines assessed separately and concomitantly in healthy Ugandan adults: a phase 1b, randomised, double-blind, placebo-controlled clinical trial. Lancet, The, 2015, 385, 1545-1554.	6.3	109
164	Functional interrogation and mining of natively paired human VH:VL antibody repertoires. Nature Biotechnology, 2018, 36, 152-155.	9.4	109
165	Canarypox Virus-Induced Maturation of Dendritic Cells Is Mediated by Apoptotic Cell Death and Tumor Necrosis Factor Alpha Secretion. Journal of Virology, 2000, 74, 11329-11338.	1.5	108
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