Dennis R Burton

List of Publications by Year
in descending order

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250 papers	47,908 citations	1238 110 h-index	2033 205 g-index
285 all docs	285 docs citations	285 times ranked	25965 citing authors

#	Article	IF	Citations
1	Rapid cGMP manufacturing of COVIDâ€19 monoclonal antibody using stable CHO cell pools. Biotechnology and Bioengineering, 2022, 119, 663-666.	3.3	18
2	A pandemic-enabled comparison of discovery platforms demonstrates a naiÌ‚ve antibody library can match the best immune-sourced antibodies. Nature Communications, 2022, 13, 462.	12.8	17
3	A human antibody reveals a conserved site on beta-coronavirus spike proteins and confers protection against SARS-CoV-2 infection. Science Translational Medicine, 2022, 14, eabi9215.	12.4	123
4	A novel CSP C-terminal epitope targeted by an antibody with protective activity against Plasmodium falciparum. PLoS Pathogens, 2022, 18, e1010409.	4.7	14
5	Structural definition of a pan-sarbecovirus neutralizing epitope on the spike S2 subunit. Communications Biology, 2022, 5, 342.	4.4	41
6	Targeted isolation of diverse human protective broadly neutralizing antibodies against SARS-like viruses. Nature Immunology, 2022, 23, 960-970.	14.5	39
7	A broad and potent neutralization epitope in SARS-related coronaviruses. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	34
8	Toward superhuman SARS-CoV-2 immunity?. Nature Medicine, 2021, 27, 5-6.	30.7	13
9	A new lease on life for an HIV-neutralizing antibody class and vaccine target. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
10	Design of immunogens to elicit broadly neutralizing antibodies against HIV targeting the CD4 binding site. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
11	Accelerated Clearance and Degradation of Cell-Free HIV by Neutralizing Antibodies Occurs via FcÎ³RIIb on Liver Sinusoidal Endothelial Cells by Endocytosis. Journal of Immunology, 2021, 206, 1284-1296.	0.8	6
12	Variant-proof vaccines â€" invest now for the next pandemic. Nature, 2021, 590, 386-388.	27.8	37
13	Broad and potent activity against SARS-like viruses by an engineered human monoclonal antibody. Science, 2021, 371, 823-829.	12.6	285
14	Effector function does not contribute to protection from virus challenge by a highly potent HIV broadly neutralizing antibody in nonhuman primates. Science Translational Medicine, 2021, 13, .	12.4	23
15	Cross-reactive serum and memory B-cell responses to spike protein in SARS-CoV-2 and endemic coronavirus infection. Nature Communications, 2021, 12, 2938.	12.8	219
16	Structural and functional ramifications of antigenic drift in recent SARS-CoV-2 variants. Science, 2021, 373, 818-823.	12.6	309
17	A combination of cross-neutralizing antibodies synergizes to prevent SARS-CoV-2 and SARS-CoV pseudovirus infection. Cell Host and Microbe, 2021, 29, 806-818.e6.	11.0	49
18	Diverse immunoglobulin gene usage and convergent epitope targeting in neutralizing antibody responses to SARS-CoV-2. Cell Reports, 2021, 35, 109109.	6.4	21

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19	Amping up HIV antibodies. Science, 2021, 372, 1397-1398.	12.6	5
20	A Rapid Assay for SARS-CoV-2 Neutralizing Antibodies That Is Insensitive to Antiretroviral Drugs. Journal of Immunology, 2021, 207, 344-351.	0.8	5
21	AI-guided discovery of the invariant host response to viral pandemics. EBioMedicine, 2021, 68, 103390.	6.1	37
22	Drug repurposing screens identify chemical entities for the development of COVID-19 interventions. Nature Communications, 2021, 12, 3309.	12.8	81
23	Site-Specific Steric Control of SARS-CoV-2 Spike Glycosylation. Biochemistry, 2021, 60, 2153-2169.	2.5	54
24	Disassembly of HIV envelope glycoprotein trimer immunogens is driven by antibodies elicited via immunization. Science Advances, 2021, 7, .	10.3	37
25	Enhanced Ability of Plant-Derived PGT121 Glycovariants To Eliminate HIV-1-Infected Cells. Journal of Virology, 2021, 95, e0079621.	3.4	6
26	Antibody responses induced by SHIV infection are more focused than those induced by soluble native HIV-1 envelope trimers in non-human primates. PLoS Pathogens, 2021, 17, e1009736.	4.7	18
27	Structural Basis for a Neutralizing Antibody Response Elicited by a Recombinant Hantaan Virus Gn Immunogen. MBio, 2021, 12, e0253120.	4.1	13
28	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. Nature Communications, 2021, 12, 4817.	12.8	35
29	A particulate saponin/TLR agonist vaccine adjuvant alters lymph flow and modulates adaptive immunity. Science Immunology, 2021, 6, eabf1152.	11.9	63
30	Rectal Acquisition of Simian Immunodeficiency Virus (SIV) SIVmac239 Infection despite Vaccine-Induced Immune Responses against the Entire SIV Proteome. Journal of Virology, 2020, 94, .	3.4	7
31	Mapping Neutralizing Antibody Epitope Specificities to an HIV Env Trimer in Immunized and in Infected Rhesus Macaques. Cell Reports, 2020, 32, 108122.	6.4	28
32	Structural basis of a shared antibody response to SARS-CoV-2. Science, 2020, 369, 1119-1123.	12.6	536
33	Vaccine elicitation of HIV broadly neutralizing antibodies from engineered B cells. Nature Communications, 2020, 11, 5850.	12.8	38
34	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. Frontiers in Immunology, 2020, 11, 580373.	4.8	28
35	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. PLoS Pathogens, 2020, 16, e1008753.	4.7	61
36	Structural Basis of Zika Virus Specific Neutralization in Subsequent Flavivirus Infections. Viruses, 2020, 12, 1346.	3.3	7

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37	An Automated Fluorescence-Based Method to Isolate Bone Marrow-Derived Plasma Cells from Rhesus Macaques Using SIVmac239 SOSIP.664. Molecular Therapy - Methods and Clinical Development, 2020, 18, 781-790.	4.1	0
38	Rational Vaccine Design in the Time of COVID-19. Cell Host and Microbe, 2020, 27, 695-698.	11.0	107
39	Structural basis of broad HIV neutralization by a vaccine-induced cow antibody. Science Advances, 2020, 6, eaba0468.	10.3	31
40	Isolation of potent SARS-CoV-2 neutralizing antibodies and protection from disease in a small animal model. Science, 2020, 369, 956-963.	12.6	1,287
41	Broad neutralization of SARS-related viruses by human monoclonal antibodies. Science, 2020, 369, 731-736.	12.6	534
42	HIV envelope trimer-elicited autologous neutralizing antibodies bind a region overlapping the N332 glycan supersite. Science Advances, 2020, 6, eaba0512.	10.3	18
43	Mapping Polyclonal Antibody Responses in Non-human Primates Vaccinated with HIV Env Trimer Subunit Vaccines. Cell Reports, 2020, 30, 3755-3765.e7.	6.4	81
44	Engineered immunogen binding to alum adjuvant enhances humoral immunity. Nature Medicine, 2020, 26, 430-440.	30.7	172
45	Induction of Transient Virus Replication Facilitates Antigen-Independent Isolation of SIV-Specific Monoclonal Antibodies. Molecular Therapy - Methods and Clinical Development, 2020, 16, 225-237.	4.1	5
46	Comparisons of the antibody repertoires of a humanized rodent and humans by high throughput sequencing. Scientific Reports, 2020, 10, 1120.	3.3	14
47	Autologous Antibody Responses to an HIV Envelope Glycan Hole Are Not Easily Broadened in Rabbits. Journal of Virology, 2020, 94, .	3.4	57
48	A natural mutation between SARS-CoV-2 and SARS-CoV determines neutralization by a cross-reactive antibody. PLoS Pathogens, 2020, 16, e1009089.	4.7	55
49	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
50	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
51	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
52	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
53	Rapid and Focused Maturation of a VRC01-Class HIV Broadly Neutralizing Antibody Lineage Involves Both Binding and Accommodation of the N276-Glycan. Immunity, 2019, 51, 141-154.e6.	14.3	71
54	Differences in the Binding Affinity of an HIV-1 V2 Apex-Specific Antibody for the SIV _{smm/mac} Envelope Glycoprotein Uncouple Antibody-Dependent Cellular Cytotoxicity from Neutralization. MBio, 2019, 10, .	4.1	18

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55	A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. Science, 2019, 366, .	12.6	172
56	Multiple roles for HIV broadly neutralizing antibodies. Science Translational Medicine, 2019, 11, .	12.4	144
57	Rapid Germinal Center and Antibody Responses in Non-human Primates after a Single Nanoparticle Vaccine Immunization. Cell Reports, 2019, 29, 1756-1766.e8.	6.4	47
58	A Meta-analysis of Passive Immunization Studies Shows that Serum-Neutralizing Antibody Titer Associates with Protection against SHIV Challenge. Cell Host and Microbe, 2019, 26, 336-346.e3.	11.0	88
59	Commonality despite exceptional diversity in the baseline human antibody repertoire. Nature, 2019, 566, 393-397.	27.8	419
60	Slow Delivery Immunization Enhances HIV Neutralizing Antibody and Germinal Center Responses via Modulation of Immunodominance. Cell, 2019, 177, 1153-1171.e28.	28.9	293
61	The Chimpanzee SIV Envelope Trimer: Structure and Deployment as an HIV Vaccine Template. Cell Reports, 2019, 27, 2426-2441.e6.	6.4	35
62	Protein and Glycan Mimicry in HIV Vaccine Design. Journal of Molecular Biology, 2019, 431, 2223-2247.	4.2	91
63	Antibody barriers to going viral. Journal of Experimental Medicine, 2019, 216, 2226-2228.	8.5	2
64	An MPER antibody neutralizes HIV-1 using germline features shared among donors. Nature Communications, 2019, 10, 5389.	12.8	44
65	Advancing an HIV vaccine; advancing vaccinology. Nature Reviews Immunology, 2019, 19, 77-78.	22.7	134
66	Vaccine-Induced Protection from Homologous Tier 2 SHIV Challenge in Nonhuman Primates Depends on Serum-Neutralizing Antibody Titers. Immunity, 2019, 50, 241-252.e6.	14.3	153
67	Reprogramming the antigen specificity of B cells using genome-editing technologies. ELife, 2019, 8, .	6.0	69
68	Fetal demise and failed antibody therapy during Zika virus infection of pregnant macaques. Nature Communications, 2018, 9, 1624.	12.8	68
69	Passive immunotherapy of viral infections: 'super-antibodies' enter the fray. Nature Reviews Immunology, 2018, 18, 297-308.	22.7	220
70	Taking down defenses to improve vaccines. Science, 2018, 359, 277-278.	12.6	3
71	Global site-specific analysis of glycoprotein N-glycan processing. Nature Protocols, 2018, 13, 1196-1212.	12.0	71
72	A Neutralizing Antibody Recognizing Primarily N-Linked Glycan Targets the Silent Face of the HIV Envelope. Immunity, 2018, 48, 500-513.e6.	14.3	66

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73	Unprecedented Role of Hybrid N-Glycans as Ligands for HIV-1 Broadly Neutralizing Antibodies. Journal of the American Chemical Society, 2018, 140, 5202-5210.	13.7	33
74	HIV-1 vaccine design through minimizing envelope metastability. Science Advances, 2018, 4, eaau6769.	10.3	75
75	A Protective Monoclonal Antibody Targets a Site of Vulnerability on the Surface of Rift Valley Fever Virus. Cell Reports, 2018, 25, 3750-3758.e4.	6.4	41
76	Recent progress in broadly neutralizing antibodies to HIV. Nature Immunology, 2018, 19, 1179-1188.	14.5	331
77	Differential processing of HIV envelope glycans on the virus and soluble recombinant trimer. Nature Communications, 2018, 9, 3693.	12.8	124
78	Strategies for a multi-stage neutralizing antibody-based HIV vaccine. Current Opinion in Immunology, 2018, 53, 143-151.	5.5	105
79	Electron-Microscopy-Based Epitope Mapping Defines Specificities of Polyclonal Antibodies Elicited during HIV-1 BG505 Envelope Trimer Immunization. Immunity, 2018, 49, 288-300.e8.	14.3	175
80	Targeting the HIV-1 Spike and Coreceptor with Bi- and Trispecific Antibodies for Single-Component Broad Inhibition of Entry. Journal of Virology, 2018, 92, .	3.4	31
81	Systematic Analysis of Monoclonal Antibodies against Ebola Virus GP Defines Features that Contribute to Protection. Cell, 2018, 174, 938-952.e13.	28.9	173
82	Highly Attenuated Infection With a Vpr-Deleted Molecular Clone of Human Immunodeficiency Virus-1. Journal of Infectious Diseases, 2018, 218, 1447-1452.	4.0	10
83	Potential of conventional & bispecific broadly neutralizing antibodies for prevention of HIV-1 subtype A, C & D infections. PLoS Pathogens, 2018, 14, e1006860.	4.7	68
84	Fine epitope signature of antibody neutralization breadth at the HIV-1 envelope CD4-binding site. JCI Insight, 2018, 3, .	5.0	16
85	Coexistence of potent HIV-1 broadly neutralizing antibodies and antibody-sensitive viruses in a viremic controller. Science Translational Medicine, 2017, 9, .	12.4	128
86	Identification and specificity of broadly neutralizing antibodies against <scp>HIV</scp>. Immunological Reviews, 2017, 275, 11-20.	6.0	198
87	What Are the Most Powerful Immunogen Design Vaccine Strategies?. Cold Spring Harbor Perspectives in Biology, 2017, 9, a030262.	5.5	122
88	Differential Antibody Responses to Conserved HIV-1 Neutralizing Epitopes in the Context of Multivalent Scaffolds and Native-Like gp140 Trimers. MBio, 2017, 8, .	4.1	28
89	Immunochemical engineering of cell surfaces to generate virus resistance. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4655-4660.	7.1	6
90	A Broadly Neutralizing Antibody Targets the Dynamic HIV Envelope Trimer Apex via a Long, Rigidified, and Anionic Î²-Hairpin Structure. Immunity, 2017, 46, 690-702.	14.3	216

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91	Elicitation of Robust Tier 2 Neutralizing Antibody Responses in Nonhuman Primates by HIV Envelope Trimer Immunization Using Optimized Approaches. Immunity, 2017, 46, 1073-1088.e6.	14.3	286
92	Multiplex PCR method for MinION and Illumina sequencing of Zika and other virus genomes directly from clinical samples. Nature Protocols, 2017, 12, 1261-1276.	12.0	898
93	Global site-specific N-glycosylation analysis of HIV envelope glycoprotein. Nature Communications, 2017, 8, 14954.	12.8	176
94	Developing an HIV vaccine. Science, 2017, 355, 1129-1130.	12.6	89
95	Neutralizing human monoclonal antibodies prevent Zika virus infection in macaques. Science Translational Medicine, 2017, 9, .	12.4	89
96	Elicitation of Neutralizing Antibodies Targeting the V2 Apex of the HIV Envelope Trimer in a Wild-Type Animal Model. Cell Reports, 2017, 21, 222-235.	6.4	58
97	Potent Plasmablast-Derived Antibodies Elicited by the National Institutes of Health Dengue Vaccine. Journal of Virology, 2017, 91, .	3.4	19
98	Glycans Function as Anchors for Antibodies and Help Drive HIV Broadly Neutralizing Antibody Development. Immunity, 2017, 47, 524-537.e3.	14.3	48
99	Trispecific broadly neutralizing HIV antibodies mediate potent SHIV protection in macaques. Science, 2017, 358, 85-90.	12.6	225
100	Protection against a mixed SHIV challenge by a broadly neutralizing antibody cocktail. Science Translational Medicine, 2017, 9, .	12.4	106
101	Broadly neutralizing antibodies targeting the HIV-1 envelope V2 apex confer protection against a clade C SHIV challenge. Science Translational Medicine, 2017, 9, .	12.4	87
102	Rapid elicitation of broadly neutralizing antibodies to HIV by immunization in cows. Nature, 2017, 548, 108-111.	27.8	154
103	Novel in vitro booster vaccination to rapidly generate antigen-specific human monoclonal antibodies. Journal of Experimental Medicine, 2017, 214, 2471-2490.	8.5	17
104	Dengue Virus Evades AAV-Mediated Neutralizing Antibody Prophylaxis in Rhesus Monkeys. Molecular Therapy, 2017, 25, 2323-2331.	8.2	9
105	Protective Efficacy of Broadly Neutralizing Antibodies with Incomplete Neutralization Activity against Simian-Human Immunodeficiency Virus in Rhesus Monkeys. Journal of Virology, 2017, 91, .	3.4	38
106	Zika virus activates de novo and cross-reactive memory B cell responses in dengue-experienced donors. Science Immunology, 2017, 2, .	11.9	98
107	HIV Envelope Glycoform Heterogeneity and Localized Diversity Govern the Initiation and Maturation of a V2 Apex Broadly Neutralizing Antibody Lineage. Immunity, 2017, 47, 990-1003.e9.	14.3	90
108	Structure-based design of native-like HIV-1 envelope trimers to silence non-neutralizing epitopes and eliminate CD4 binding. Nature Communications, 2017, 8, 1655.	12.8	142

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109	An HIV-1 antibody from an elite neutralizer implicates the fusion peptide as a site of vulnerability. Nature Microbiology, 2017, 2, 16199.	13.3	144
110	Hidden Lineage Complexity of Glycan-Dependent HIV-1 Broadly Neutralizing Antibodies Uncovered by Digital Panning and Native-Like gp140 Trimer. Frontiers in Immunology, 2017, 8, 1025.	4.8	21
111	A human inferred germline antibody binds to an immunodominant epitope and neutralizes Zika virus. PLoS Neglected Tropical Diseases, 2017, 11, e0005655.	3.0	23
112	Structure and Recognition of a Novel HIV-1 gp120-gp41 Interface Antibody that Caused MPER Exposure through Viral Escape. PLoS Pathogens, 2017, 13, e1006074.	4.7	33
113	Lipid interactions and angle of approach to the HIV-1 viral membrane of broadly neutralizing antibody 10E8: Insights for vaccine and therapeutic design. PLoS Pathogens, 2017, 13, e1006212.	4.7	58
114	Vaccine-induced immune responses against both Gag and Env improve control of simian immunodeficiency virus replication in rectally challenged rhesus macaques. PLoS Pathogens, 2017, 13, e1006529.	4.7	19
115	Optimal Combinations of Broadly Neutralizing Antibodies for Prevention and Treatment of HIV-1 Clade C Infection. PLoS Pathogens, 2016, 12, e1005520.	4.7	150
116	Minimally Mutated HIV-1 Broadly Neutralizing Antibodies to Guide Reductionist Vaccine Design. PLoS Pathogens, 2016, 12, e1005815.	4.7	104
117	Neutralizing antibody affords comparable protection against vaginal and rectal simian/human immunodeficiency virus challenge in macaques. Aids, 2016, 30, 1543-1551.	2.2	47
118	Prevention of hepatitis C virus infection using a broad crossâ€neutralizing monoclonal antibody (AR4A) and epigallocatechin gallate. Liver Transplantation, 2016, 22, 324-332.	2.4	25
119	Uncleaved prefusion-optimized gp140 trimers derived from analysis of HIV-1 envelope metastability. Nature Communications, 2016, 7, 12040.	12.8	134
120	Presenting native-like trimeric HIV-1 antigens with self-assembling nanoparticles. Nature Communications, 2016, 7, 12041.	12.8	146
121	Clonify: unseeded antibody lineage assignment from next-generation sequencing data. Scientific Reports, 2016, 6, 23901.	3.3	48
122	Early Antibody Lineage Diversification and Independent Limb Maturation Lead to Broad HIV-1 Neutralization Targeting the Env High-Mannose Patch. Immunity, 2016, 44, 1215-1226.	14.3	138
123	Comparison of Antibody-Dependent Cell-Mediated Cytotoxicity and Virus Neutralization by HIV-1 Env-Specific Monoclonal Antibodies. Journal of Virology, 2016, 90, 6127-6139.	3.4	117
124	Trimeric HIV-1-Env Structures Define Glycan Shields from Clades A, B, and G. Cell, 2016, 165, 813-826.	28.9	379
125	Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. Science, 2016, 352, 828-833.	12.6	310
126	Broadly Neutralizing Antibodies to HIV and Their Role in Vaccine Design. Annual Review of Immunology, 2016, 34, 635-659.	21.8	500

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127	Priming HIV-1 broadly neutralizing antibody precursors in human Ig loci transgenic mice. Science, 2016, 353, 1557-1560.	12.6	147
128	Tailored Immunogens Direct Affinity Maturation toward HIV Neutralizing Antibodies. Cell, 2016, 166, 1459-1470.e11.	28.9	230
129	Sequential Immunization Elicits Broadly Neutralizing Anti-HIV-1 Antibodies in Ig Knockin Mice. Cell, 2016, 166, 1445-1458.e12.	28.9	270
130	HIV Vaccine Design to Target Germline Precursors of Glycan-Dependent Broadly Neutralizing Antibodies. Immunity, 2016, 45, 483-496.	14.3	335
131	Holes in the Glycan Shield of the Native HIV Envelope Are a Target of Trimer-Elicited Neutralizing Antibodies. Cell Reports, 2016, 16, 2327-2338.	6.4	216
132	Antibody-mediated protection against SHIV challenge includes systemic clearance of distal virus. Science, 2016, 353, 1045-1049.	12.6	129
133	Direct Probing of Germinal Center Responses Reveals Immunological Features and Bottlenecks for Neutralizing Antibody Responses to HIV Env Trimer. Cell Reports, 2016, 17, 2195-2209.	6.4	150
134	A Prominent Site of Antibody Vulnerability on HIV Envelope Incorporates a Motif Associated with CCR5 Binding and Its Camouflaging Glycans. Immunity, 2016, 45, 31-45.	14.3	129
135	HIV-1 escapes from N332-directed antibody neutralization in an elite neutralizer by envelope glycoprotein elongation and introduction of unusual disulfide bonds. Retrovirology, 2016, 13, 48.	2.0	20
136	HIV Broadly Neutralizing Antibodies: Taking Good Care Of The 98%. Immunity, 2016, 45, 958-960.	14.3	13
137	Mechanisms of escape from the PGT128 family of anti-HIV broadly neutralizing antibodies. Retrovirology, 2016, 13, 8.	2.0	40
138	HIV-1 broadly neutralizing antibody precursor B cells revealed by germline-targeting immunogen. Science, 2016, 351, 1458-1463.	12.6	382
139	Isolation of potent neutralizing antibodies from a survivor of the 2014 Ebola virus outbreak. Science, 2016, 351, 1078-1083.	12.6	194
140	Composition and Antigenic Effects of Individual Glycan Sites of a Trimeric HIV-1 Envelope Glycoprotein. Cell Reports, 2016, 14, 2695-2706.	6.4	250
141	Protection of Humanized Mice From Repeated Intravaginal HIV Challenge by Passive Immunization: A Model for Studying the Efficacy of Neutralizing Antibodies In Vivo. Journal of Infectious Diseases, 2016, 214, 612-616.	4.0	33
142	Haplotype-Phased Synthetic Long Reads from Short-Read Sequencing. PLoS ONE, 2016, 11, e0147229.	2.5	29
143	Incomplete Neutralization and Deviation from Sigmoidal Neutralization Curves for HIV Broadly Neutralizing Monoclonal Antibodies. PLoS Pathogens, 2015, 11, e1005110.	4.7	78
144	Structural Repertoire of HIV-1-Neutralizing Antibodies Targeting the CD4 Supersite in 14 Donors. Cell, 2015, 161, 1280-1292.	28.9	305

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145	Affinity Maturation of a Potent Family of HIV Antibodies Is Primarily Focused on Accommodating or Avoiding Glycans. Immunity, 2015, 43, 1053-1063.	14.3	200
146	Structural Constraints Determine the Glycosylation of HIV-1 Envelope Trimers. Cell Reports, 2015, 11, 1604-1613.	6.4	135
147	Manipulating the Selection Forces during Affinity Maturation to Generate Cross-Reactive HIV Antibodies. Cell, 2015, 160, 785-797.	28.9	173
148	AAV-expressed eCD4-Ig provides durable protection from multiple SHIV challenges. Nature, 2015, 519, 87-91.	27.8	265
149	Priming a broadly neutralizing antibody response to HIV-1 using a germline-targeting immunogen. Science, 2015, 349, 156-161.	12.6	358
150	HIV-1 neutralizing antibodies induced by native-like envelope trimers. Science, 2015, 349, aac4223.	12.6	482
151	Comprehensive Antigenic Map of a Cleaved Soluble HIV-1 Envelope Trimer. PLoS Pathogens, 2015, 11, e1004767.	4.7	100
152	A Native-Like SOSIP.664 Trimer Based on an HIV-1 Subtype B env Gene. Journal of Virology, 2015, 89, 3380-3395.	3.4	247
153	Antibody responses to envelope glycoproteins in HIV-1 infection. Nature Immunology, 2015, 16, 571-576.	14.5	364
154	A Broadly Neutralizing Human Monoclonal Antibody Exhibits In Vivo Efficacy Against Both Human Metapneumovirus and Respiratory Syncytial Virus. Journal of Infectious Diseases, 2015, 211, 216-225.	4.0	71
155	Antibodies to a conformational epitope on gp41 neutralize HIV-1 by destabilizing the Env spike. Nature Communications, 2015, 6, 8167.	12.8	87
156	Murine Antibody Responses to Cleaved Soluble HIV-1 Envelope Trimers Are Highly Restricted in Specificity. Journal of Virology, 2015, 89, 10383-10398.	3.4	148
157	Swift antibodies to counter emerging viruses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10082-10083.	7.1	4
158	Neutralization Properties of Simian Immunodeficiency Viruses Infecting Chimpanzees and Gorillas. MBio, 2015, 6, .	4.1	25
159	Identification of Common Features in Prototype Broadly Neutralizing Antibodies to HIV Envelope V2 Apex to Facilitate Vaccine Design. Immunity, 2015, 43, 959-973.	14.3	177
160	Infection of monkeys by simian-human immunodeficiency viruses with transmitted/founder clade C HIV-1 envelopes. Virology, 2015, 475, 37-45.	2.4	25
161	Two Classes of Broadly Neutralizing Antibodies within a Single Lineage Directed to the High-Mannose Patch of HIV Envelope. Journal of Virology, 2015, 89, 1105-1118.	3.4	80
162	Promiscuous Glycan Site Recognition by Antibodies to the High-Mannose Patch of gp120 Broadens Neutralization of HIV. Science Translational Medicine, 2014, 6, 236ra63.	12.4	160

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163	Recombinant HIV envelope trimer selects for quaternary-dependent antibodies targeting the trimer apex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17624-17629.	7.1	324
164	A Recombinant HIV Envelope Trimer Selects for Quaternary Dependent Antibodies Targeting the Trimer Apex. AIDS Research and Human Retroviruses, 2014, 30, A7-A8.	1.1	3
165	Broadly neutralizing antibodies abrogate established hepatitis C virus infection. Science Translational Medicine, 2014, 6, 254ra129.	12.4	204
166	Structure of 2G12 Fab ₂ in Complex with Soluble and Fully Glycosylated HIV-1 Env by Negative-Stain Single-Particle Electron Microscopy. Journal of Virology, 2014, 88, 10177-10188.	3.4	67
167	Broadly Neutralizing HIV Antibodies Define a Glycan-Dependent Epitope on the Prefusion Conformation of gp41 on Cleaved Envelope Trimers. Immunity, 2014, 40, 657-668.	14.3	342
168	Complement Is Activated by IgG Hexamers Assembled at the Cell Surface. Science, 2014, 343, 1260-1263.	12.6	602
169	bNAber: database of broadly neutralizing HIV antibodies. Nucleic Acids Research, 2014, 42, D1133-D1139.	14.5	69
170	Structural Delineation of a Quaternary, Cleavage-Dependent Epitope at the gp41-gp120 Interface on Intact HIV-1 Env Trimers. Immunity, 2014, 40, 669-680.	14.3	323
171	Optimization of peptide arrays for studying antibodies to hepatitis C virus continuous epitopes. Journal of Immunological Methods, 2014, 402, 35-42.	1.4	11
172	Preparation and Activities of Macromolecule Conjugates of the CCR5 Antagonist Maraviroc. ACS Medicinal Chemistry Letters, 2014, 5, 133-137.	2.8	17
173	Development of a V1/V2-targeting Quaternary-specific Broadly Neutralizing Lineage. AIDS Research and Human Retroviruses, 2014, 30, A34-A35.	1.1	0
174	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.	8.5	297
175	Structural Evolution of Glycan Recognition by a Family of Potent HIV Antibodies. Cell, 2014, 159, 69-79.	28.9	161
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