

Bruce D Walker

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

227
papers

29,453
citations

87
h-index

170
g-index

256
ext. papers

34,569
ext. citations

16.5
avg, IF

6.53
L-index

#	Paper	IF	Citations
227	T cell reactivity to the SARS-CoV-2 Omicron variant is preserved in most but not all individuals.. <i>Cell</i> , 2022 ,	56.2	20
226	Multimodal Investigation of Neuroinflammation in Aviremic Patients With HIV on Antiretroviral Therapy and HIV Elite Controllers.. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2022 , 9,	9.1	1
225	Temporal changes in T cell subsets and expansion of cytotoxic CD4+ T cells in the lungs in severe COVID-19.. <i>Clinical Immunology</i> , 2022 , 108991	9	2
224	Signatures of immune selection in intact and defective proviruses distinguish HIV-1 elite controllers.. <i>Science Translational Medicine</i> , 2021 , 13, eabl4097	17.5	6
223	HIV Proviral Burden, Genetic Diversity, and Dynamics in Viremic Controllers Who Subsequently Initiated Suppressive Antiretroviral Therapy. <i>MBio</i> , 2021 , e0249021	7.8	0
222	An HLA-I signature favouring KIR-educated Natural Killer cells mediates immune control of HIV in children and contrasts with the HLA-B-restricted CD8+ T-cell-mediated immune control in adults. <i>PLoS Pathogens</i> , 2021 , 17, e1010090	7.6	1
221	Viral Load Kinetics of Severe Acute Respiratory Syndrome Coronavirus 2 in Hospitalized Individuals With Coronavirus Disease 2019. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab153	1	5
220	Long noncoding RNA MIR4435-2HG enhances metabolic function of myeloid dendritic cells from HIV-1 elite controllers. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	6
219	A participant-derived xenograft model of HIV enables long-term evaluation of autologous immunotherapies. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	2
218	Epigenetic Regulation of Expression Levels and the Effect on HIV-1 Pathogenesis. <i>Frontiers in Immunology</i> , 2021 , 12, 669241	8.4	2
217	HIV-infected macrophages resist efficient NK cell-mediated killing while preserving inflammatory cytokine responses. <i>Cell Host and Microbe</i> , 2021 , 29, 435-447.e9	23.4	11
216	HLA class-I-peptide stability mediates CD8 T cell immunodominance hierarchies and facilitates HLA-associated immune control of HIV. <i>Cell Reports</i> , 2021 , 36, 109378	10.6	3
215	Structure-guided T cell vaccine design for SARS-CoV-2 variants and sarbecoviruses. <i>Cell</i> , 2021 , 184, 4401-4413.e10	44.3	10
214	Profound Treg perturbations correlate with COVID-19 severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	24
213	Functional impairment of HIV-specific CD8 T cells precedes aborted spontaneous control of viremia. <i>Immunity</i> , 2021 , 54, 2372-2384.e7	32.3	2
212	Dendritic cells focus CTL responses toward highly conserved and topologically important HIV-1 epitopes. <i>EBioMedicine</i> , 2021 , 63, 103175	8.8	1
211	Innate lymphoid cells and disease tolerance in SARS-CoV-2 infection 2021 ,		8

210	Allelic variation in class I HLA determines CD8 T cell repertoire shape and cross-reactive memory responses to SARS-CoV-2. <i>Science Immunology</i> , 2021 , eabk3070	28	4
209	Integrated single-cell analysis of multicellular immune dynamics during hyperacute HIV-1 infection. <i>Nature Medicine</i> , 2020 , 26, 511-518	50.5	36
208	Association between the cytokine storm, immune cell dynamics, and viral replicative capacity in hyperacute HIV infection. <i>BMC Medicine</i> , 2020 , 18, 81	11.4	25
207	Nanoscale imaging of clinical specimens using conventional and rapid-expansion pathology. <i>Nature Protocols</i> , 2020 , 15, 1649-1672	18.8	14
206	CD8 T cells in HIV control, cure and prevention. <i>Nature Reviews Immunology</i> , 2020 , 20, 471-482	36.5	64
205	Immunological Fingerprints of Controllers Developing Neutralizing HIV-1 Antibodies. <i>Cell Reports</i> , 2020 , 30, 984-996.e4	10.6	9
204	Envelope characteristics in individuals who developed neutralizing antibodies targeting different epitopes in HIV-1 subtype C infection. <i>Virology</i> , 2020 , 546, 1-12	3.6	3
203	Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity. <i>Science</i> , 2020 , 370,	33.3	289
202	Loss of Bcl-6-Expressing T Follicular Helper Cells and Germinal Centers in COVID-19. <i>Cell</i> , 2020 , 183, 143-167.e13	46.7	131
201	Evolution and Diversity of Immune Responses during Acute HIV Infection. <i>Immunity</i> , 2020 , 53, 908-924	32.3	5
200	HLA tapasin independence: broader peptide repertoire and HIV control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28232-28238	11.5	18
199	SARS-CoV-2 viral load is associated with increased disease severity and mortality. <i>Nature Communications</i> , 2020 , 11, 5493	17.4	360
198	Distinct viral reservoirs in individuals with spontaneous control of HIV-1. <i>Nature</i> , 2020 , 585, 261-267	50.4	97
197	Concanamycin A counteracts HIV-1 Nef to enhance immune clearance of infected primary cells by cytotoxic T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23835-23846	11.5	3
196	Assessment of Maternal and Neonatal SARS-CoV-2 Viral Load, Transplacental Antibody Transfer, and Placental Pathology in Pregnancies During the COVID-19 Pandemic. <i>JAMA Network Open</i> , 2020 , 3, e2030455	10.4	149
195	Toward T Cell-Mediated Control or Elimination of HIV Reservoirs: Lessons From Cancer Immunology. <i>Frontiers in Immunology</i> , 2019 , 10, 2109	8.4	18
194	CCR5AS lncRNA variation differentially regulates CCR5, influencing HIV disease outcome. <i>Nature Immunology</i> , 2019 , 20, 824-834	19.1	49
193	HIV-1 DNA sequence diversity and evolution during acute subtype C infection. <i>Nature Communications</i> , 2019 , 10, 2737	17.4	29

192	Augmentation of HIV-specific T cell function by immediate treatment of hyperacute HIV-1 infection. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	31
191	Structural topology defines protective CD8 T cell epitopes in the HIV proteome. <i>Science</i> , 2019 , 364, 480-484	39.4	64
190	Recommendations for analytical antiretroviral treatment interruptions in HIV research trials-report of a consensus meeting. <i>Lancet HIV,the</i> , 2019 , 6, e259-e268	7.8	87
189	HIV Controllers Exhibit Effective CD8 T Cell Recognition of HIV-1-Infected Non-activated CD4 T Cells. <i>Cell Reports</i> , 2019 , 27, 142-153.e4	10.6	10
188	Natural HIV-1 Nef Polymorphisms Impair SERINC5 Downregulation Activity. <i>Cell Reports</i> , 2019 , 29, 1449-1457.e54	14.57	54
187	Impact of HLA Allele-KIR Pairs on HIV Clinical Outcome in South Africa. <i>Journal of Infectious Diseases</i> , 2019 , 219, 1456-1463	7	5
186	Resistance of HIV-infected macrophages to CD8 T lymphocyte-mediated killing drives activation of the immune system. <i>Nature Immunology</i> , 2018 , 19, 475-486	19.1	55
185	Viral control in chronic HIV-1 subtype C infection is associated with enrichment of p24 IgG1 with Fc effector activity. <i>Aids</i> , 2018 , 32, 1207-1217	3.5	16
184	T cell receptors for the HIV KK10 epitope from patients with differential immunologic control are functionally indistinguishable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1877-1882	11.5	10
183	Elevated expression impairs HIV control through inhibition of NKG2A-expressing cells. <i>Science</i> , 2018 , 359, 86-90	33.3	89
182	Detection and treatment of Fiebig stage I HIV-1 infection in young at-risk women in South Africa: a prospective cohort study. <i>Lancet HIV,the</i> , 2018 , 5, e35-e44	7.8	42
181	A Reproducibility-Based Computational Framework Identifies an Inducible, Enhanced Antiviral State in Dendritic Cells from HIV-1 Elite Controllers. <i>Genome Biology</i> , 2018 , 19, 10	18.3	22
180	Antigen-specific antibody Fc glycosylation enhances humoral immunity via the recruitment of complement. <i>Science Immunology</i> , 2018 , 3,	28	41
179	The Control of HIV After Antiretroviral Medication Pause (CHAMP) Study: Posttreatment Controllers Identified From 14 Clinical Studies. <i>Journal of Infectious Diseases</i> , 2018 , 218, 1954-1963	7	77
178	Killer cell immunoglobulin-like receptor 3DL1 variation modifies HLA-B*57 protection against HIV-1. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1903-1912	15.9	30
177	Metabolic pathway activation distinguishes transcriptional signatures of CD8+ T cells from HIV-1 elite controllers. <i>Aids</i> , 2018 , 32, 2669-2677	3.5	15
176	Latent HIV reservoirs exhibit inherent resistance to elimination by CD8+ T cells. <i>Journal of Clinical Investigation</i> , 2018 , 128, 876-889	15.9	104
175	Frequencies of Circulating Th1-Biased T Follicular Helper Cells in Acute HIV-1 Infection Correlate with the Development of HIV-Specific Antibody Responses and Lower Set Point Viral Load. <i>Journal of Virology</i> , 2018 , 92,	6.6	26

174	Engineering modular intracellular protein sensor-actuator devices. <i>Nature Communications</i> , 2018 , 9, 18817.4	33
173	Coexistence of potent HIV-1 broadly neutralizing antibodies and antibody-sensitive viruses in a viremic controller. <i>Science Translational Medicine</i> , 2017 , 9,	17.5 96
172	Lactobacillus-Deficient Cervicovaginal Bacterial Communities Are Associated with Increased HIV Acquisition in Young South African Women. <i>Immunity</i> , 2017 , 46, 29-37	32.3 320
171	HIV Controllers Exhibit Enhanced Frequencies of Major Histocompatibility Complex Class II Tetramer Gag-Specific CD4 T Cells in Chronic Clade C HIV-1 Infection. <i>Journal of Virology</i> , 2017 , 91,	6.6 11
170	T-Cell Receptor (TCR) Clonotype-Specific Differences in Inhibitory Activity of HIV-1 Cytotoxic T-Cell Clones Is Not Mediated by TCR Alone. <i>Journal of Virology</i> , 2017 , 91,	6.6 10
169	Crystal structure of HLA-B*5801 with a TW10 HIV Gag epitope reveals a novel mode of peptide presentation. <i>Cellular and Molecular Immunology</i> , 2017 , 14, 631-634	15.4 14
168	A genome-wide CRISPR screen identifies a restricted set of HIV host dependency factors. <i>Nature Genetics</i> , 2017 , 49, 193-203	36.3 197
167	Role of HIV-specific CD8 T cells in pediatric HIV cure strategies after widespread early viral escape. <i>Journal of Experimental Medicine</i> , 2017 , 214, 3239-3261	16.6 15
166	Evaluating the Impact of Functional Genetic Variation on HIV-1 Control. <i>Journal of Infectious Diseases</i> , 2017 , 216, 1063-1069	7 18
165	Saporin-conjugated tetramers identify efficacious anti-HIV CD8+ T-cell specificities. <i>PLoS ONE</i> , 2017 , 12, e0184496	3.7 2
164	HIV Infection of Macrophages: Implications for Pathogenesis and Cure. <i>Pathogens and Immunity</i> , 2017 , 2, 179-192	4.9 42
163	Antigen recognition-triggered drug delivery mediated by nanocapsule-functionalized cytotoxic T-cells. <i>Biomaterials</i> , 2017 , 117, 44-53	15.6 48
162	Virus-driven Inflammation Is Associated With the Development of bNAbs in Spontaneous Controllers of HIV. <i>Clinical Infectious Diseases</i> , 2017 , 64, 1098-1104	11.6 25
161	Plasma CXCL13 but Not B Cell Frequencies in Acute HIV Infection Predicts Emergence of Cross-Neutralizing Antibodies. <i>Frontiers in Immunology</i> , 2017 , 8, 1104	8.4 23
160	Clonal expansion of genome-intact HIV-1 in functionally polarized Th1 CD4+ T cells. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2689-2696	15.9 164
159	T-cell responses targeting HIV Nef uniquely correlate with infected cell frequencies after long-term antiretroviral therapy. <i>PLoS Pathogens</i> , 2017 , 13, e1006629	7.6 22
158	HLA-B*57 and IFNL4-related polymorphisms are associated with protection against HIV-1 disease progression in controllers. <i>Clinical Infectious Diseases</i> , 2017 , 64, 621-628	11.6 26
157	Single-Cell Characterization of Viral Translation-Competent Reservoirs in HIV-Infected Individuals. <i>Cell Host and Microbe</i> , 2016 , 20, 368-380	23.4 113

156	Crystal structure of HLA-B*5801, a protective HLA allele for HIV-1 infection. <i>Protein and Cell</i> , 2016 , 7, 761-765	7.2	5
155	CD8(+) T Cells and cART: A Dynamic Duo?. <i>Immunity</i> , 2016 , 45, 466-468	32.3	2
154	Analysis of Major Histocompatibility Complex-Bound HIV Peptides Identified from Various Cell Types Reveals Common Nested Peptides and Novel T Cell Responses. <i>Journal of Virology</i> , 2016 , 90, 8605-20	6.6	12
153	Elite controller CD8+ T cells exhibit comparable viral inhibition capacity, but better sustained effector properties compared to chronic progressors. <i>Journal of Leukocyte Biology</i> , 2016 , 100, 1425-1433	6.5	17
152	Antiviral CD8 T Cells Restricted by Human Leukocyte Antigen Class II Exist during Natural HIV Infection and Exhibit Clonal Expansion. <i>Immunity</i> , 2016 , 45, 917-930	32.3	43
151	Nonprogressing HIV-infected children share fundamental immunological features of nonpathogenic SIV infection. <i>Science Translational Medicine</i> , 2016 , 8, 358ra125	17.5	80
150	Association between injectable progestin-only contraceptives and HIV acquisition and HIV target cell frequency in the female genital tract in South African women: a prospective cohort study. <i>Lancet Infectious Diseases</i> , 2016 , 16, 441-8	25.5	73
149	Relative Resistance of HLA-B to Downregulation by Naturally Occurring HIV-1 Nef Sequences. <i>MBio</i> , 2016 , 7, e01516-15	7.8	15
148	Population-Level Immune-Mediated Adaptation in HIV-1 Polymerase during the North American Epidemic. <i>Journal of Virology</i> , 2016 , 90, 1244-58	6.6	9
147	Lower Viral Loads and Slower CD4+ T-Cell Count Decline in MRKA5 HIV-1 Vaccinees Expressing Disease-Susceptible HLA-B*58:02. <i>Journal of Infectious Diseases</i> , 2016 , 214, 379-89	7	4
146	CXCL13 is a plasma biomarker of germinal center activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2702-7	11.5	204
145	Innate Lymphoid Cells Are Depleted Irreversibly during Acute HIV-1 Infection in the Absence of Viral Suppression. <i>Immunity</i> , 2016 , 44, 391-405	32.3	99
144	HIV-specific CD8+ T cells and HIV eradication. <i>Journal of Clinical Investigation</i> , 2016 , 126, 455-63	15.9	95
143	Antigen-Specific Antibody Glycosylation Is Regulated via Vaccination. <i>PLoS Pathogens</i> , 2016 , 12, e10054566	5.6	88
142	Differences in the Selection Bottleneck between Modes of Sexual Transmission Influence the Genetic Composition of the HIV-1 Founder Virus. <i>PLoS Pathogens</i> , 2016 , 12, e1005619	7.6	70
141	A Cure for HIV Infection: "Not in My Lifetime" or "Just Around the Corner"?. <i>Pathogens and Immunity</i> , 2016 , 1, 154-164	4.9	28
140	AIDS Vaccines 2016 , 401-422		1
139	Polyfunctional HIV-Specific Antibody Responses Are Associated with Spontaneous HIV Control. <i>PLoS Pathogens</i> , 2016 , 12, e1005315	7.6	167

138	A Subset of Latency-Reversing Agents Expose HIV-Infected Resting CD4+ T-Cells to Recognition by Cytotoxic T-Lymphocytes. <i>PLoS Pathogens</i> , 2016 , 12, e1005545	7.6	99
137	Relative rate and location of intra-host HIV evolution to evade cellular immunity are predictable. <i>Nature Communications</i> , 2016 , 7, 11660	17.4	68
136	HIV-1 Vpu Mediates HLA-C Downregulation. <i>Cell Host and Microbe</i> , 2016 , 19, 686-95	23.4	81
135	CD8+ T Cell Breadth and Ex Vivo Virus Inhibition Capacity Distinguish between Viremic Controllers with and without Protective HLA Class I Alleles. <i>Journal of Virology</i> , 2016 , 90, 6818-6831	6.6	21
134	Differential Ability of Primary HIV-1 Nef Isolates To Downregulate HIV-1 Entry Receptors. <i>Journal of Virology</i> , 2015 , 89, 9639-52	6.6	19
133	CD8+ TCR Bias and Immunodominance in HIV-1 Infection. <i>Journal of Immunology</i> , 2015 , 194, 5329-45	5.3	25
132	Broad and persistent Gag-specific CD8+ T-cell responses are associated with viral control but rarely drive viral escape during primary HIV-1 infection. <i>Aids</i> , 2015 , 29, 23-33	3.5	34
131	Viraemia suppressed in HIV-1-infected humans by broadly neutralizing antibody 3BNC117. <i>Nature</i> , 2015 , 522, 487-91	50.4	509
130	The Breadth of Expandable Memory CD8+ T Cells Inversely Correlates with Residual Viral Loads in HIV Elite Controllers. <i>Journal of Virology</i> , 2015 , 89, 10735-47	6.6	27
129	Magnitude and Kinetics of CD8+ T Cell Activation during Hyperacute HIV Infection Impact Viral Set Point. <i>Immunity</i> , 2015 , 43, 591-604	32.3	164
128	HIV-1 Antibody Neutralization Breadth Is Associated with Enhanced HIV-Specific CD4+ T Cell Responses. <i>Journal of Virology</i> , 2015 , 90, 2208-20	6.6	25
127	Nef Proteins from HIV-1 Elite Controllers Are Inefficient at Preventing Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Virology</i> , 2015 , 90, 2993-3002	6.6	50
126	High frequency of transmitted HIV-1 Gag HLA class I-driven immune escape variants but minimal immune selection over the first year of clade C infection. <i>PLoS ONE</i> , 2015 , 10, e0119886	3.7	9
125	Modest attenuation of HIV-1 Vpu alleles derived from elite controller plasma. <i>PLoS ONE</i> , 2015 , 10, e0120434	3.7	11
124	Potent Cell-Intrinsic Immune Responses in Dendritic Cells Facilitate HIV-1-Specific T Cell Immunity in HIV-1 Elite Controllers. <i>PLoS Pathogens</i> , 2015 , 11, e1004930	7.6	53
123	Sex Differences in Antiretroviral Therapy Initiation in Pediatric HIV Infection. <i>PLoS ONE</i> , 2015 , 10, e0131591	5.9	15
122	Discordant Impact of HLA on Viral Replicative Capacity and Disease Progression in Pediatric and Adult HIV Infection. <i>PLoS Pathogens</i> , 2015 , 11, e1004954	7.6	40
121	A New Glycan-Dependent CD4-Binding Site Neutralizing Antibody Exerts Pressure on HIV-1 In Vivo. <i>PLoS Pathogens</i> , 2015 , 11, e1005238	7.6	36

120	Viral immunology. Comprehensive serological profiling of human populations using a synthetic human virome. <i>Science</i> , 2015 , 348, aaa0698	33.3	231
119	Cervicovaginal bacteria are a major modulator of host inflammatory responses in the female genital tract. <i>Immunity</i> , 2015 , 42, 965-76	32.3	343
118	Polymorphisms of large effect explain the majority of the host genetic contribution to variation of HIV-1 virus load. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14658-63	11.5	108
117	HIV-1 integration landscape during latent and active infection. <i>Cell</i> , 2015 , 160, 420-32	56.2	289
116	Follicular Dendritic Cells Retain Infectious HIV in Cycling Endosomes. <i>PLoS Pathogens</i> , 2015 , 11, e1005285	6.6	66
115	HIV subtype influences HLA-B*07:02-associated HIV disease outcome. <i>AIDS Research and Human Retroviruses</i> , 2014 , 30, 468-75	1.6	18
114	HIV-1 persistence in CD4+ T cells with stem cell-like properties. <i>Nature Medicine</i> , 2014 , 20, 139-42	50.5	301
113	HIV control is mediated in part by CD8+ T-cell targeting of specific epitopes. <i>Journal of Virology</i> , 2014 , 88, 12937-48	6.6	61
112	Long-term antiretroviral treatment initiated at primary HIV-1 infection affects the size, composition, and decay kinetics of the reservoir of HIV-1-infected CD4 T cells. <i>Journal of Virology</i> , 2014 , 88, 10056-65	6.6	185
111	Nef-mediated down-regulation of CD4 and HLA class I in HIV-1 subtype C infection: association with disease progression and influence of immune pressure. <i>Virology</i> , 2014 , 468-470, 214-225	3.6	15
110	Impaired Nef function is associated with early control of HIV-1 viremia. <i>Journal of Virology</i> , 2014 , 88, 10200-13	6.6	31
109	The complex and specific pMHC interactions with diverse HIV-1 TCR clonotypes reveal a structural basis for alterations in CTL function. <i>Scientific Reports</i> , 2014 , 4, 4087	4.9	16
108	High avidity CD8+ T cells efficiently eliminate motile HIV-infected targets and execute a locally focused program of anti-viral function. <i>PLoS ONE</i> , 2014 , 9, e87873	3.7	25
107	The fitness landscape of HIV-1 gag: advanced modeling approaches and validation of model predictions by in vitro testing. <i>PLoS Computational Biology</i> , 2014 , 10, e1003776	5	93
106	LILRB2 interaction with HLA class I correlates with control of HIV-1 infection. <i>PLoS Genetics</i> , 2014 , 10, e1004196	6	49
105	Histone deacetylase inhibitors impair the elimination of HIV-infected cells by cytotoxic T-lymphocytes. <i>PLoS Pathogens</i> , 2014 , 10, e1004287	7.6	151
104	Dysfunctional HIV-specific CD8+ T cell proliferation is associated with increased caspase-8 activity and mediated by necroptosis. <i>Immunity</i> , 2014 , 41, 1001-12	32.3	49
103	Impact of HLA-driven HIV adaptation on virulence in populations of high HIV seroprevalence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5393-400	11.5	65

102	Dendritic Cells from HIV-1 Neutralizers Efficiently Induce the Generation of CXCR5+ CXCR3+ PD1Lo CD4 T Cells with B Cell Helper Function. <i>AIDS Research and Human Retroviruses</i> , 2014 , 30, A74-A74	1.6	
101	Ability of HIV-1 Nef to downregulate CD4 and HLA class I differs among viral subtypes. <i>Retrovirology</i> , 2013 , 10, 100	3.6	56
100	Influence of HLA-C expression level on HIV control. <i>Science</i> , 2013 , 340, 87-91	33.3	277
99	Translating HIV sequences into quantitative fitness landscapes predicts viral vulnerabilities for rational immunogen design. <i>Immunity</i> , 2013 , 38, 606-17	32.3	160
98	High-dimensional immunomonitoring models of HIV-1-specific CD8 T-cell responses accurately identify subjects achieving spontaneous viral control. <i>Blood</i> , 2013 , 121, 801-11	2.2	51
97	Unravelling the mechanisms of durable control of HIV-1. <i>Nature Reviews Immunology</i> , 2013 , 13, 487-98	36.5	162
96	HLA-A*68:02-restricted Gag-specific cytotoxic T lymphocyte responses can drive selection pressure on HIV but are subdominant and ineffective. <i>Aids</i> , 2013 , 27, 1717-23	3.5	5
95	Genetic interplay between HLA-C and MIR148A in HIV control and Crohn disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20705-10	11.5	74
94	Cutting edge: Prolonged exposure to HIV reinforces a poised epigenetic program for PD-1 expression in virus-specific CD8 T cells. <i>Journal of Immunology</i> , 2013 , 191, 540-4	5.3	117
93	Low levels of peripheral CD161++CD8+ mucosal associated invariant T (MAIT) cells are found in HIV and HIV/TB co-infection. <i>PLoS ONE</i> , 2013 , 8, e83474	3.7	76
92	HIV and HLA class I: an evolving relationship. <i>Immunity</i> , 2012 , 37, 426-40	32.3	217
91	A Blueprint for HIV Vaccine Discovery. <i>Cell Host and Microbe</i> , 2012 , 12, 396-407	23.4	302
90	TCR clonotypes modulate the protective effect of HLA class I molecules in HIV-1 infection. <i>Nature Immunology</i> , 2012 , 13, 691-700	19.1	180
89	Broad neutralization by a combination of antibodies recognizing the CD4 binding site and a new conformational epitope on the HIV-1 envelope protein. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1469-79	16.6	131
88	Elite controllers with low to absent effector CD8+ T cell responses maintain highly functional, broadly directed central memory responses. <i>Journal of Virology</i> , 2012 , 86, 6959-69	6.6	74
87	Whole genome deep sequencing of HIV-1 reveals the impact of early minor variants upon immune recognition during acute infection. <i>PLoS Pathogens</i> , 2012 , 8, e1002529	7.6	270
86	HLA-B*57 Micropolymorphism shapes HLA allele-specific epitope immunogenicity, selection pressure, and HIV immune control. <i>Journal of Virology</i> , 2012 , 86, 919-29	6.6	61
85	The T-cell response to HIV. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2,	5.4	114

84	HIV control through a single nucleotide on the HLA-B locus. <i>Journal of Virology</i> , 2012 , 86, 11493-500	6.6	35
83	Differential clade-specific HLA-B*3501 association with HIV-1 disease outcome is linked to immunogenicity of a single Gag epitope. <i>Journal of Virology</i> , 2012 , 86, 12643-54	6.6	42
82	HIV-1-specific interleukin-21+ CD4+ T cell responses contribute to durable viral control through the modulation of HIV-specific CD8+ T cell function. <i>Journal of Virology</i> , 2011 , 85, 733-41	6.6	151
81	Sequence and structural convergence of broad and potent HIV antibodies that mimic CD4 binding. <i>Science</i> , 2011 , 333, 1633-7	33.3	874
80	Differential microRNA regulation of HLA-C expression and its association with HIV control. <i>Nature</i> , 2011 , 472, 495-8	50.4	261
79	Definition of the viral targets of protective HIV-1-specific T cell responses. <i>Journal of Translational Medicine</i> , 2011 , 9, 208	8.5	124
78	Increased HIV-specific CD8+ T-cell cytotoxic potential in HIV elite controllers is associated with T-bet expression. <i>Blood</i> , 2011 , 117, 3799-808	2.2	131
77	Moving ahead an HIV vaccine: use both arms to beat HIV. <i>Nature Medicine</i> , 2011 , 17, 1194-5	50.5	37
76	Mosaic HIV-1 Gag antigens can be processed and presented to human HIV-specific CD8+ T cells. <i>Journal of Immunology</i> , 2011 , 186, 6914-24	5.3	28
75	Coordinate linkage of HIV evolution reveals regions of immunological vulnerability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11530-5	11.5	153
74	CD4+ T cells from elite controllers resist HIV-1 infection by selective upregulation of p21. <i>Journal of Clinical Investigation</i> , 2011 , 121, 1549-60	15.9	136
73	A high-throughput single-cell analysis of human CD8+ T cell functions reveals discordance for cytokine secretion and cytolysis. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4322-31	15.9	124
72	Effects of thymic selection of the T-cell repertoire on HLA class I-associated control of HIV infection. <i>Nature</i> , 2010 , 465, 350-4	50.4	218
71	Polyreactivity increases the apparent affinity of anti-HIV antibodies by heteroligation. <i>Nature</i> , 2010 , 467, 591-5	50.4	332
70	Impaired replication capacity of acute/early viruses in persons who become HIV controllers. <i>Journal of Virology</i> , 2010 , 84, 7581-91	6.6	107
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