

Bruce D Walker

List of Publications by Citations

Source: <https://exaly.com/author-pdf/537349/bruce-d-walker-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	PD-1 expression on HIV-specific T cells is associated with T-cell exhaustion and disease progression. <i>Nature</i> , 2006 , 443, 350-4	50.4	2001
226	Vigorous HIV-1-specific CD4+ T cell responses associated with control of viremia. <i>Science</i> , 1997 , 278, 1447-50	33.3	1649
225	The major genetic determinants of HIV-1 control affect HLA class I peptide presentation. <i>Science</i> , 2010 , 330, 1551-7	33.3	884
224	Sequence and structural convergence of broad and potent HIV antibodies that mimic CD4 binding. <i>Science</i> , 2011 , 333, 1633-7	33.3	874
223	Immune control of HIV-1 after early treatment of acute infection. <i>Nature</i> , 2000 , 407, 523-6	50.4	856
222	HIV-1 Nef protein protects infected primary cells against killing by cytotoxic T lymphocytes. <i>Nature</i> , 1998 , 391, 397-401	50.4	854
221	CD8+ T-cell responses to different HIV proteins have discordant associations with viral load. <i>Nature Medicine</i> , 2007 , 13, 46-53	50.5	824
220	Dominant influence of HLA-B in mediating the potential co-evolution of HIV and HLA. <i>Nature</i> , 2004 , 432, 769-75	50.4	681
219	Innate partnership of HLA-B and KIR3DL1 subtypes against HIV-1. <i>Nature Genetics</i> , 2007 , 39, 733-40	36.3	579
218	Human immunodeficiency virus controllers: mechanisms of durable virus control in the absence of antiretroviral therapy. <i>Immunity</i> , 2007 , 27, 406-16	32.3	539
217	Viraemia suppressed in HIV-1-infected humans by broadly neutralizing antibody 3BNC117. <i>Nature</i> , 2015 , 522, 487-91	50.4	509
216	Evolution and transmission of stable CTL escape mutations in HIV infection. <i>Nature</i> , 2001 , 412, 334-8	50.4	488
215	HIV infection is blocked in vitro by recombinant soluble CD4. <i>Nature</i> , 1988 , 331, 76-8	50.4	429
214	A soluble CD4 protein selectively inhibits HIV replication and syncytium formation. <i>Nature</i> , 1988 , 331, 78-81	50.4	410
213	Fitness cost of escape mutations in p24 Gag in association with control of human immunodeficiency virus type 1. <i>Journal of Virology</i> , 2006 , 80, 3617-23	6.6	388
212	Adaptation of HIV-1 to human leukocyte antigen class I. <i>Nature</i> , 2009 , 458, 641-5	50.4	361
211	SARS-CoV-2 viral load is associated with increased disease severity and mortality. <i>Nature Communications</i> , 2020 , 11, 5493	17.4	360

210	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
209	Loss of Bcl-6-Expressing T Follicular Helper Cells and Germinal Centers in COVID-19. <i>Cell</i> , 2020 , 183, 143-157.e13	56.2	342
208	Polyvalent vaccines for optimal coverage of potential T-cell epitopes in global HIV-1 variants. <i>Nature Medicine</i> , 2007 , 13, 100-6	50.5	338
207	Cellular immune responses and viral diversity in individuals treated during acute and early HIV-1 infection. <i>Journal of Experimental Medicine</i> , 2001 , 193, 169-80	16.6	334
206	Polyreactivity increases the apparent affinity of anti-HIV antibodies by heterologation. <i>Nature</i> , 2010 , 467, 591-5	50.4	332
205	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
204	A Blueprint for HIV Vaccine Discovery. <i>Cell Host and Microbe</i> , 2012 , 12, 396-407	23.4	302
203	HIV-1 persistence in CD4+ T cells with stem cell-like properties. <i>Nature Medicine</i> , 2014 , 20, 139-42	50.5	301
202	Loss of HIV-1-specific CD8+ T cell proliferation after acute HIV-1 infection and restoration by vaccine-induced HIV-1-specific CD4+ T cells. <i>Journal of Experimental Medicine</i> , 2004 , 200, 701-12	16.6	293
201	HIV-1 integration landscape during latent and active infection. <i>Cell</i> , 2015 , 160, 420-32	56.2	289
200	Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity. <i>Science</i> , 2020 , 370,	33.3	289
199	Influence of HLA-C expression level on HIV control. <i>Science</i> , 2013 , 340, 87-91	33.3	277
198	Influence of HLA-B57 on clinical presentation and viral control during acute HIV-1 infection. <i>Aids</i> , 2003 , 17, 2581-91	3.5	274
197	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
196	Differential microRNA regulation of HLA-C expression and its association with HIV control. <i>Nature</i> , 2011 , 472, 495-8	50.4	261
195	Relative dominance of Gag p24-specific cytotoxic T lymphocytes is associated with human immunodeficiency virus control. <i>Journal of Virology</i> , 2006 , 80, 3122-5	6.6	254
194	Levels of human immunodeficiency virus type 1-specific cytotoxic T-lymphocyte effector and memory responses decline after suppression of viremia with highly active antiretroviral therapy. <i>Journal of Virology</i> , 1999 , 73, 6721-8	6.6	250
193	HLA Alleles Associated with Delayed Progression to AIDS Contribute Strongly to the Initial CD8(+) T Cell Response against HIV-1. <i>PLoS Medicine</i> , 2006 , 3, e403	11.6	247

192	Perforin expression directly ex vivo by HIV-specific CD8 T-cells is a correlate of HIV elite control. <i>PLoS Pathogens</i> , 2010 , 6, e1000917	7.6	246
191	Immune selection for altered antigen processing leads to cytotoxic T lymphocyte escape in chronic HIV-1 infection. <i>Journal of Experimental Medicine</i> , 2004 , 199, 905-15	16.6	240
190	Viral immunology. Comprehensive serological profiling of human populations using a synthetic human virome. <i>Science</i> , 2015 , 348, aaa0698	33.3	231
189	HLA-B57/B*5801 human immunodeficiency virus type 1 elite controllers select for rare gag variants associated with reduced viral replication capacity and strong cytotoxic T-lymphocyte [corrected] recognition. <i>Journal of Virology</i> , 2009 , 83, 2743-55	6.6	225
188	Escape and compensation from early HLA-B57-mediated cytotoxic T-lymphocyte pressure on human immunodeficiency virus type 1 Gag alter capsid interactions with cyclophilin A. <i>Journal of Virology</i> , 2007 , 81, 12608-18	6.6	224
187	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
186	HIV and HLA class I: an evolving relationship. <i>Immunity</i> , 2012 , 37, 426-40	32.3	217
185	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
184	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
183	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
182	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
181	Polyfunctional HIV-Specific Antibody Responses Are Associated with Spontaneous HIV Control. <i>PLoS Pathogens</i> , 2016 , 12, e1005315	7.6	167
180	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
179	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
178	Unravelling the mechanisms of durable control of HIV-1. <i>Nature Reviews Immunology</i> , 2013 , 13, 487-98	36.5	162
177	Persistent low-level viremia in HIV-1 elite controllers and relationship to immunologic parameters. <i>Journal of Infectious Diseases</i> , 2009 , 200, 984-90	7	161
176	Translating HIV sequences into quantitative fitness landscapes predicts viral vulnerabilities for rational immunogen design. <i>Immunity</i> , 2013 , 38, 606-17	32.3	160
175	Human immunodeficiency virus type 1-specific CD8+ T-cell responses during primary infection are major determinants of the viral set point and loss of CD4+ T cells. <i>Journal of Virology</i> , 2009 , 83, 7641-8	6.6	153

174	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
173	Marked epitope- and allele-specific differences in rates of mutation in human immunodeficiency type 1 (HIV-1) Gag, Pol, and Nef cytotoxic T-lymphocyte epitopes in acute/early HIV-1 infection. <i>Journal of Virology</i> , 2008 , 82, 9216-27	6.6	152
172	Histone deacetylase inhibitors impair the elimination of HIV-infected cells by cytotoxic T-lymphocytes. <i>PLoS Pathogens</i> , 2014 , 10, e1004287	7.6	151
171	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
170	Evolution of HLA-B*5703 HIV-1 escape mutations in HLA-B*5703-positive individuals and their transmission recipients. <i>Journal of Experimental Medicine</i> , 2009 , 206, 909-21	16.6	149
169	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
168	Immune control of HIV: the obstacles of HLA and viral diversity. <i>Nature Immunology</i> , 2001 , 2, 473-5	19.1	145
167	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
166	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
165	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
164	Central role of reverting mutations in HLA associations with human immunodeficiency virus set point. <i>Journal of Virology</i> , 2008 , 82, 8548-59	6.6	128
163	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
162	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
161	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
160	De novo generation of escape variant-specific CD8+ T-cell responses following cytotoxic T-lymphocyte escape in chronic human immunodeficiency virus type 1 infection. <i>Journal of Virology</i> , 2005 , 79, 12952-60	6.6	117
159	The T-cell response to HIV. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2,	5.4	114
158	Determinant of HIV-1 mutational escape from cytotoxic T lymphocytes. <i>Journal of Experimental Medicine</i> , 2003 , 197, 1365-75	16.6	114
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	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
155	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
154	Recognition of a defined region within p24 gag by CD8+ T cells during primary human immunodeficiency virus type 1 infection in individuals expressing protective HLA class I alleles. <i>Journal of Virology</i> , 2007 , 81, 7725-31	6.6	106
153	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
152	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
151	HIV-1 viral escape in infancy followed by emergence of a variant-specific CTL response. <i>Journal of Immunology</i> , 2005 , 174, 7524-30	5.3	99
150	Nef-mediated resistance of human immunodeficiency virus type 1 to antiviral cytotoxic T lymphocytes. <i>Journal of Virology</i> , 2002 , 76, 1626-31	6.6	99
149	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
148	Distinct viral reservoirs in individuals with spontaneous control of HIV-1. <i>Nature</i> , 2020 , 585, 261-267	50.4	97
147	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
146	HIV-specific CD8+ T cells and HIV eradication. <i>Journal of Clinical Investigation</i> , 2016 , 126, 455-63	15.9	95
145	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
144	HIV-1 Nef is preferentially recognized by CD8 T cells in primary HIV-1 infection despite a relatively high degree of genetic diversity. <i>Aids</i> , 2004 , 18, 1383-92	3.5	90
143	Elevated expression impairs HIV control through inhibition of NKG2A-expressing cells. <i>Science</i> , 2018 , 359, 86-90	33.3	89
142	Antigen-Specific Antibody Glycosylation Is Regulated via Vaccination. <i>PLoS Pathogens</i> , 2016 , 12, e1005456	5.6	88
141	Recommendations for analytical antiretroviral treatment interruptions in HIV research trials-report of a consensus meeting. <i>Lancet HIV</i> , 2019 , 6, e259-e268	7.8	87
140	Rapid definition of five novel HLA-A*3002-restricted human immunodeficiency virus-specific cytotoxic T-lymphocyte epitopes by elispot and intracellular cytokine staining assays. <i>Journal of Virology</i> , 2001 , 75, 1339-47	6.6	85
139	Proliferative capacity of epitope-specific CD8 T-cell responses is inversely related to viral load in chronic human immunodeficiency virus type 1 infection. <i>Journal of Virology</i> , 2007 , 81, 434-8	6.6	83

138	HIV-1 Vpu Mediates HLA-C Downregulation. <i>Cell Host and Microbe</i> , 2016 , 19, 686-95	23.4	81
137	Nonprogressing HIV-infected children share fundamental immunological features of nonpathogenic SIV infection. <i>Science Translational Medicine</i> , 2016 , 8, 358ra125	17.5	80
136	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
135	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
134	High frequency of rapid immunological progression in African infants infected in the era of perinatal HIV prophylaxis. <i>Aids</i> , 2007 , 21, 1253-61	3.5	75
133	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
132	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
131	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
130	Differential selection pressure exerted on HIV by CTL targeting identical epitopes but restricted by distinct HLA alleles from the same HLA supertype. <i>Journal of Immunology</i> , 2006 , 177, 4699-708	5.3	73
129	Gag-protease-mediated replication capacity in HIV-1 subtype C chronic infection: associations with HLA type and clinical parameters. <i>Journal of Virology</i> , 2010 , 84, 10820-31	6.6	71
128	Mutually exclusive T-cell receptor induction and differential susceptibility to human immunodeficiency virus type 1 mutational escape associated with a two-amino-acid difference between HLA class I subtypes. <i>Journal of Virology</i> , 2007 , 81, 1619-31	6.6	71
127	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
126	Elite control of HIV Infection: implications for vaccines and treatment. <i>Topics in HIV Medicine: A Publication of the International AIDS Society, USA</i> , 2007 , 15, 134-6		69
125	Early virological suppression with three-class antiretroviral therapy in HIV-infected African infants. <i>Aids</i> , 2008 , 22, 1333-43	3.5	68
124	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
123	Follicular Dendritic Cells Retain Infectious HIV in Cycling Endosomes. <i>PLoS Pathogens</i> , 2015 , 11, e10052856		66
122	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
121	Structural topology defines protective CD8 T cell epitopes in the HIV proteome. <i>Science</i> , 2019 , 364, 480-484	33.5	64

120	CD8 T cells in HIV control, cure and prevention. <i>Nature Reviews Immunology</i> , 2020 , 20, 471-482	36.5	64
119	Leukocyte immunoglobulin-like receptors maintain unique antigen-presenting properties of circulating myeloid dendritic cells in HIV-1-infected elite controllers. <i>Journal of Virology</i> , 2010 , 84, 9463-71	6.6	62
118	HLA-associated viral mutations are common in human immunodeficiency virus type 1 elite controllers. <i>Journal of Virology</i> , 2009 , 83, 3407-12	6.6	62
117	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
116	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
115	Human immunodeficiency virus-specific CD8+ T-cell activity is detectable from birth in the majority of in utero-infected infants. <i>Journal of Virology</i> , 2007 , 81, 12775-84	6.6	59
114	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
113	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
112	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
111	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
110	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
109	CCR5AS lncRNA variation differentially regulates CCR5, influencing HIV disease outcome. <i>Nature Immunology</i> , 2019 , 20, 824-834	19.1	49
108	LILRB2 interaction with HLA class I correlates with control of HIV-1 infection. <i>PLoS Genetics</i> , 2014 , 10, e1004196	6	49
107	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
106	Antigen recognition-triggered drug delivery mediated by nanocapsule-functionalized cytotoxic T-cells. <i>Biomaterials</i> , 2017 , 117, 44-53	15.6	48
105	Impact of HLA in mother and child on disease progression of pediatric human immunodeficiency virus type 1 infection. <i>Journal of Virology</i> , 2009 , 83, 10234-44	6.6	45
104	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
103	HIV Infection of Macrophages: Implications for Pathogenesis and Cure. <i>Pathogens and Immunity</i> , 2017 , 2, 179-192	4.9	42

102	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
101	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
100	HIV-specific CD8 T cells express low levels of IL-7Ralpha: implications for HIV-specific T cell memory. <i>Virology</i> , 2006 , 353, 366-73	3.6	42
99	Antigen-specific antibody Fc glycosylation enhances humoral immunity via the recruitment of complement. <i>Science Immunology</i> , 2018 , 3,	28	41
98	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
97	Moving ahead an HIV vaccine: use both arms to beat HIV. <i>Nature Medicine</i> , 2011 , 17, 1194-5	50.5	37
96	Integrated single-cell analysis of multicellular immune dynamics during hyperacute HIV-1 infection. <i>Nature Medicine</i> , 2020 , 26, 511-518	50.5	36
95	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
94	HIV control through a single nucleotide on the HLA-B locus. <i>Journal of Virology</i> , 2012 , 86, 11493-500	6.6	35
93	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
92	Engineering modular intracellular protein sensor-actuator devices. <i>Nature Communications</i> , 2018 , 9, 18817.4	17.4	33
91	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
90	Impaired Nef function is associated with early control of HIV-1 viremia. <i>Journal of Virology</i> , 2014 , 88, 10200-13	6.6	31
89	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
88	HIV-1 DNA sequence diversity and evolution during acute subtype C infection. <i>Nature Communications</i> , 2019 , 10, 2737	17.4	29
87	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
86	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
85	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

84	Reconstitution of virus-specific CD4 proliferative responses in pediatric HIV-1 infection. <i>Journal of Immunology</i> , 2003 , 171, 6968-75	5.3	26
83	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
82	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
81	CD8+ TCR Bias and Immunodominance in HIV-1 Infection. <i>Journal of Immunology</i> , 2015 , 194, 5329-45	5.3	25
80	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
79	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
78	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
77	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
76	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
75	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
74	HIV-1-specific cytotoxic T lymphocytes and the control of HIV-1 replication. <i>Seminars in Immunopathology</i> , 1997 , 18, 341-54		23
73	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
72	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
71	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
70	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
69	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
68	Evaluating the Impact of Functional Genetic Variation on HIV-1 Control. <i>Journal of Infectious Diseases</i> , 2017 , 216, 1063-1069	7	18
67	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

66	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
65	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
64	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
63	Motif inference reveals optimal CTL epitopes presented by HLA class I alleles highly prevalent in southern Africa. <i>Journal of Immunology</i> , 2006 , 176, 4699-705	5.3	17
62	Inhibition of human immunodeficiency virus type 1 replication in primary CD4(+) T lymphocytes, monocytes, and dendritic cells by cytotoxic T lymphocytes. <i>Journal of Virology</i> , 2000 , 74, 6695-9	6.6	17
61	Structure-guided T cell vaccine design for SARS-CoV-2 variants and sarbecoviruses. <i>Cell</i> , 2021 , 184, 4401-4413.e10	34.1	17
60	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
59	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
58	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
57	Relative Resistance of HLA-B to Downregulation by Naturally Occurring HIV-1 Nef Sequences. <i>MBio</i> , 2016 , 7, e01516-15	7.8	15
56	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
55	Sex Differences in Antiretroviral Therapy Initiation in Pediatric HIV Infection. <i>PLoS ONE</i> , 2015 , 10, e0131591	5.9	15
54	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
53	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
52	Nanoscale imaging of clinical specimens using conventional and rapid-expansion pathology. <i>Nature Protocols</i> , 2020 , 15, 1649-1672	18.8	14
51	Natural HIV-1 Nef Polymorphisms Impair SERINC5 Downregulation Activity. <i>Cell Reports</i> , 2019 , 29, 1449-1457.e54	14.5	14
50	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
49	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

48	Modest attenuation of HIV-1 Vpu alleles derived from elite controller plasma. <i>PLoS ONE</i> , 2015 , 10, e0120434	9.7	11
47	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
46	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
45	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
44	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
43	SARS-CoV-2 Viral Load is Associated with Increased Disease Severity and Mortality		10
42	Immunological Fingerprints of Controllers Developing Neutralizing HIV-1 Antibodies. <i>Cell Reports</i> , 2020 , 30, 984-996.e4	10.6	9
41	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
40	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
39	Marked differences in quantity of infectious human immunodeficiency virus type 1 detected in persons with controlled plasma viremia by a simple enhanced culture method. <i>Journal of Clinical Microbiology</i> , 2000 , 38, 4246-8	9.7	8
38	Innate lymphoid cells and disease tolerance in SARS-CoV-2 infection 2021 ,		8
37	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
36	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
35	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
34	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
33	Evolution and Diversity of Immune Responses during Acute HIV Infection. <i>Immunity</i> , 2020 , 53, 908-924	32.3	5
32	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
31	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

30	Lower Viral Loads and Slower CD4+ T-Cell Count Decline in MRKAd5 HIV-1 Vaccinees Expressing Disease-Susceptible HLA-B*58:02. <i>Journal of Infectious Diseases</i> , 2016 , 214, 379-89	7	4
29	Integrated Single-Cell Analysis of Multicellular Immune Dynamics during Hyper-Acute HIV-1 Infection		4
28	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
27	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
26	Mycobacterium tuberculosis: Drug Resistance and Genetic Mechanisms [Facts, Artifacts, and Fallacies]103-121		3
25	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
24	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
23	Saporin-conjugated tetramers identify efficacious anti-HIV CD8+ T-cell specificities. <i>PLoS ONE</i> , 2017 , 12, e0184496	3.7	2
22	CD8(+) T Cells and cART: A Dynamic Duo?. <i>Immunity</i> , 2016 , 45, 466-468	32.3	2
21	AIDS Vaccine Development. <i>Science</i> , 1998 , 280, 803c-803	33.3	2
20	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
19	Epigenetic Regulation of Expression Levels and the Effect on HIV-1 Pathogenesis. <i>Frontiers in Immunology</i> , 2021 , 12, 669241	8.4	2
18	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
17	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
16	HIV/B Drug Interactions123-153		1
15	TB/AIDS Coinfection: An Integrated Clinical and Research Response209-252		1
14	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
13	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

12	AIDS Vaccines 2016 , 401-422		1
11	Dendritic cells focus CTL responses toward highly conserved and topologically important HIV-1 epitopes. <i>EBioMedicine</i> , 2021 , 63, 103175	8.8	1
10	HIV Proviral Burden, Genetic Diversity, and Dynamics in Viremic Controllers Who Subsequently Initiated Suppressive Antiretroviral Therapy. <i>MBio</i> , 2021 , e0249021	7.8	0
9	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	
8	HIV Immunology and Prospects for Vaccines1-29		
7	Extensively Drug-Resistant Tuberculosis and HIV/AIDS253-275		
6	Clinical Issues (Including Diagnosis): Immune Reconstitution Inflammatory Syndrome (IRIS)277-290		
5	Immune Response to Tuberculosis as a Basis for Rational Vaccination Strategies31-54		
4	BCG Vaccination in the HIV + Newborn55-74		
3	HIV/AIDS Drugs75-101		
2	Clinical Issues in the Diagnosis and Management of HIV Infection155-190		
1	HIV-Associated Tuberculosis: Clinical Challenges191-208		