

Clive M Gray

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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.

109
papers

2,777
citations

28
h-index

49
g-index

118
ext. papers

3,206
ext. citations

5.4
avg, IF

4.48
L-index

#	Paper	IF	Citations
109	Hierarchical targeting of subtype C human immunodeficiency virus type 1 proteins by CD8+ T cells: correlation with viral load. <i>Journal of Virology</i> , 2004 , 78, 3233-43	6.6	193
108	Standardization of cytokine flow cytometry assays. <i>BMC Immunology</i> , 2005 , 6, 13	3.7	172
107	Establishing a cohort at high risk of HIV infection in South Africa: challenges and experiences of the CAPRISA 002 acute infection study. <i>PLoS ONE</i> , 2008 , 3, e1954	3.7	150
106	Vertical T cell immunodominance and epitope entropy determine HIV-1 escape. <i>Journal of Clinical Investigation</i> , 2013 , 123, 380-93	15.9	141
105	Transmission of HIV-1 CTL escape variants provides HLA-mismatched recipients with a survival advantage. <i>PLoS Pathogens</i> , 2008 , 4, e1000033	7.6	118
104	Incidence of HIV-1 dual infection and its association with increased viral load set point in a cohort of HIV-1 subtype C-infected female sex workers. <i>Journal of Infectious Diseases</i> , 2004 , 190, 1355-9	7	98
103	Relationship between functional profile of HIV-1 specific CD8 T cells and epitope variability with the selection of escape mutants in acute HIV-1 infection. <i>PLoS Pathogens</i> , 2011 , 7, e1001273	7.6	78
102	S03-05 OA. A less differentiated memory phenotype of Gag-specific CD4+ T-cells during primary HIV infection associates with viral control at 12 months. <i>Retrovirology</i> , 2009 , 6,	3.6	78
101	Association of HIV-specific and total CD8+ T memory phenotypes in subtype C HIV-1 infection with viral set point. <i>Journal of Immunology</i> , 2009 , 182, 4751-61	5.3	68
100	Effect of standard tuberculosis treatment on plasma cytokine levels in patients with active pulmonary tuberculosis. <i>PLoS ONE</i> , 2012 , 7, e36886	3.7	66
99	Association of TRIM22 with the type 1 interferon response and viral control during primary HIV-1 infection. <i>Journal of Virology</i> , 2011 , 85, 208-16	6.6	62
98	Impact of mucosal inflammation on cervical human immunodeficiency virus (HIV-1)-specific CD8 T-cell responses in the female genital tract during chronic HIV infection. <i>Journal of Virology</i> , 2008 , 82, 8529-36	6.6	60
97	In-utero exposure to maternal HIV infection alters T-cell immune responses to vaccination in HIV-uninfected infants. <i>Aids</i> , 2014 , 28, 1421-30	3.5	58
96	Changes in CD4+ and CD8+ T cell subsets in response to highly active antiretroviral therapy in HIV type 1-infected patients with prior protease inhibitor experience. <i>AIDS Research and Human Retroviruses</i> , 1998 , 14, 561-9	1.6	58
95	Human immunodeficiency virus-specific gamma interferon enzyme-linked immunospot assay responses targeting specific regions of the proteome during primary subtype C infection are poor predictors of the course of viremia and set point. <i>Journal of Virology</i> , 2009 , 83, 470-8	6.6	54
94	Human leukocyte antigen class I (A, B, C) and II (DRB1) diversity in the black and Caucasian South African population. <i>Human Immunology</i> , 2012 , 73, 80-92	2.3	48
93	FOXP3 expression is upregulated in CD4T cells in progressive HIV-1 infection and is a marker of disease severity. <i>PLoS ONE</i> , 2010 , 5, e11762	3.7	47

92	Novel and promiscuous CTL epitopes in conserved regions of Gag targeted by individuals with early subtype C HIV type 1 infection from southern Africa. <i>Journal of Immunology</i> , 2004 , 173, 4607-17	5.3	47
91	The ELISPOT assay: an easily transferable method for measuring cellular responses and identifying T cell epitopes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002 , 40, 903-10	5.9	47
90	Genetic characteristics of HIV-1 subtype C envelopes inducing cross-neutralizing antibodies. <i>Virology</i> , 2007 , 368, 172-81	3.6	42
89	Is obesity a risk factor for vaccine non-responsiveness?. <i>PLoS ONE</i> , 2013 , 8, e82779	3.7	41
88	The Elusive Role of Placental Macrophages: The Hofbauer Cell. <i>Journal of Innate Immunity</i> , 2019 , 11, 447-456	4.5	37
87	Rapid disease progression in HIV-1 subtype C-infected South African women. <i>Clinical Infectious Diseases</i> , 2014 , 59, 1322-31	11.6	35
86	Converging epidemics of sexually transmitted infections and bacterial vaginosis in southern African female adolescents at risk of HIV. <i>International Journal of STD and AIDS</i> , 2018 , 29, 531-539	1.4	35
85	Broad, high-magnitude and multifunctional CD4+ and CD8+ T-cell responses elicited by a DNA and modified vaccinia Ankara vaccine containing human immunodeficiency virus type 1 subtype C genes in baboons. <i>Journal of General Virology</i> , 2009 , 90, 468-480	4.9	33
84	Enrolling adolescents in research on HIV and other sensitive issues: lessons from South Africa. <i>PLoS Medicine</i> , 2006 , 3, e180	11.6	33
83	Differential impact of magnitude, polyfunctional capacity, and specificity of HIV-specific CD8+ T cell responses on HIV set point. <i>Journal of Virology</i> , 2014 , 88, 1819-24	6.6	32
82	Antigen-specific T-cell-mediated immunity after HIV-1 infection: implications for vaccine control of HIV development. <i>Expert Review of Vaccines</i> , 2006 , 5, 505-16	5.2	29
81	Passively transmitted gp41 antibodies in babies born from HIV-1 subtype C-seropositive women: correlation between fine specificity and protection. <i>Journal of Virology</i> , 2012 , 86, 4129-38	6.6	26
80	A prime-boost immunisation regimen using recombinant BCG and Pr55(gag) virus-like particle vaccines based on HIV type 1 subtype C successfully elicits Gag-specific responses in baboons. <i>Vaccine</i> , 2009 , 27, 4857-66	4.1	26
79	Adaptive changes in HIV-1 subtype C proteins during early infection are driven by changes in HLA-associated immune pressure. <i>Virology</i> , 2010 , 396, 213-25	3.6	25
78	Distinct kinetics of Gag-specific CD4+ and CD8+ T cell responses during acute HIV-1 infection. <i>Journal of Immunology</i> , 2012 , 188, 2198-206	5.3	24
77	Viral dynamics and CD4+ T cell counts in subtype C human immunodeficiency virus type 1-infected individuals from southern Africa. <i>AIDS Research and Human Retroviruses</i> , 2005 , 21, 285-91	1.6	24
76	A subset of circulating blood mycobacteria-specific CD4 T cells can predict the time to Mycobacterium tuberculosis sputum culture conversion. <i>PLoS ONE</i> , 2014 , 9, e102178	3.7	23
75	Delaying BCG vaccination until 8 weeks of age results in robust BCG-specific T-cell responses in HIV-exposed infants. <i>Journal of Infectious Diseases</i> , 2015 , 211, 338-46	7	22

74	Fluidity of HIV-1-specific T-cell responses during acute and early subtype C HIV-1 infection and associations with early disease progression. <i>Journal of Virology</i> , 2010 , 84, 12018-29	6.6	22
73	HIV-1 subtype C Pr55gag virus-like particle vaccine efficiently boosts baboons primed with a matched DNA vaccine. <i>Journal of General Virology</i> , 2008 , 89, 2214-2227	4.9	22
72	Peptide impurities in commercial synthetic peptides and their implications for vaccine trial assessment. <i>Vaccine Journal</i> , 2008 , 15, 267-76		22
71	Highly active antiretroviral therapy results in HIV type 1 suppression in lymph nodes, increased pools of naive T cells, decreased pools of activated T cells, and diminished frequencies of peripheral activated HIV type 1-specific CD8+ T cells. <i>AIDS Research and Human Retroviruses</i> , 2000 , 16, 1357-69	1.6	22
70	A steady state of CD4+ T cell memory maturation and activation is established during primary subtype C HIV-1 infection. <i>Journal of Immunology</i> , 2010 , 184, 4926-35	5.3	21
69	Virological and immunological factors associated with HIV-1 differential disease progression in HLA-B 58:01-positive individuals. <i>Journal of Virology</i> , 2011 , 85, 7070-80	6.6	21
68	Role of semen in altering the balance between inflammation and tolerance in the female genital tract: does it contribute to HIV risk?. <i>Viral Immunology</i> , 2014 , 27, 200-6	1.7	20
67	Conserved domains of subtype C nef from South African HIV type 1-infected individuals include cytotoxic T lymphocyte epitope-rich regions. <i>AIDS Research and Human Retroviruses</i> , 2001 , 17, 1681-7	1.6	20
66	In a mixed subtype epidemic, the HIV-1 Gag-specific T-cell response is biased towards the infecting subtype. <i>Aids</i> , 2007 , 21, 135-43	3.5	19
65	T cell activation but not polyfunctionality after primary HIV infection predicts control of viral load and length of the time without therapy. <i>PLoS ONE</i> , 2012 , 7, e50728	3.7	18
64	HIV type 1 subtype C gag and nef diversity in Southern Africa. <i>AIDS Research and Human Retroviruses</i> , 2007 , 23, 477-81	1.6	18
63	Metabolic Syndrome After HIV Acquisition in South African Women. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016 , 73, 438-445	3.1	17
62	The Center for HIV/AIDS Vaccine Immunology (CHAVI) multi-site quality assurance program for cryopreserved human peripheral blood mononuclear cells. <i>Journal of Immunological Methods</i> , 2014 , 409, 21-30	2.5	17
61	Increased memory differentiation is associated with decreased polyfunctionality for HIV but not for cytomegalovirus-specific CD8+ T cells. <i>Journal of Immunology</i> , 2012 , 189, 3838-47	5.3	17
60	Temporal association of HLA-B*81:01- and HLA-B*39:10-mediated HIV-1 p24 sequence evolution with disease progression. <i>Journal of Virology</i> , 2012 , 86, 12013-24	6.6	16
59	Killer-cell immunoglobulin-like receptor genotyping and HLA killer-cell immunoglobulin-like receptor-ligand identification by real-time polymerase chain reaction. <i>Tissue Antigens</i> , 2011 , 78, 185-94		15
58	Heterologous vaccination against human tuberculosis modulates antigen-specific CD4+ T-cell function. <i>European Journal of Immunology</i> , 2013 , 43, 2409-20	6.1	13
57	A high viral burden predicts the loss of CD8 T-cell responses specific for subdominant gag epitopes during chronic human immunodeficiency virus infection. <i>Journal of Virology</i> , 2007 , 81, 13809-15	6.6	13

56	Immuno-informatics design of a multimeric epitope peptide based vaccine targeting SARS-CoV-2 spike glycoprotein. <i>PLoS ONE</i> , 2021 , 16, e0248061	3.7	13
55	Does HIV Exploit the Inflammatory Milieu of the Male Genital Tract for Successful Infection?. <i>Frontiers in Immunology</i> , 2016 , 7, 245	8.4	13
54	Laboratory expansion to large-scale international HIV preventive vaccine trials. <i>Current Opinion in HIV and AIDS</i> , 2007 , 2, 201-6	4.2	12
53	A combination of baseline plasma immune markers can predict therapeutic response in multidrug resistant tuberculosis. <i>PLoS ONE</i> , 2017 , 12, e0176660	3.7	11
52	Human Leukocyte Antigen (HLA) Class II -DRB1 and -DQB1 Alleles and the Association with Cervical Cancer in HIV/HPV Co-Infected Women in South Africa. <i>Journal of Cancer</i> , 2019 , 10, 2145-2152	4.5	11
51	Rapid, complex adaptation of transmitted HIV-1 full-length genomes in subtype C-infected individuals with differing disease progression. <i>Aids</i> , 2013 , 27, 507-18	3.5	11
50	Diversity in immunogenomics: the value and the challenge. <i>Nature Methods</i> , 2021 , 18, 588-591	21.6	11
49	Maternal T Cells in the Human Placental Villi Support an Allograft Response during Noninfectious Villitis. <i>Journal of Immunology</i> , 2020 , 204, 2931-2939	5.3	10
48	Bacille Calmette-Guérin Vaccine Strain Modulates the Ontogeny of Both Mycobacterial-Specific and Heterologous T Cell Immunity to Vaccination in Infants. <i>Frontiers in Immunology</i> , 2019 , 10, 2307	8.4	10
47	Killer-cell Immunoglobulin-like Receptor (KIR) gene profiles modify HIV disease course, not HIV acquisition in South African women. <i>BMC Infectious Diseases</i> , 2016 , 16, 27	4	10
46	HIV disease progression in seroconvertors from the CAPRISA 004 tenofovir gel pre-exposure prophylaxis trial. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2015 , 68, 55-61	3.1	10
45	Intra- and inter-clade cross-reactivity by HIV-1 Gag specific T-cells reveals exclusive and commonly targeted regions: implications for current vaccine trials. <i>PLoS ONE</i> , 2011 , 6, e26096	3.7	10
44	Methods of gestational age assessment influence the observed association between antiretroviral therapy exposure, preterm delivery, and small-for-gestational age infants: a prospective study in Cape Town, South Africa. <i>Annals of Epidemiology</i> , 2018 , 28, 893-900	6.4	10
43	Delayed BCG vaccination results in minimal alterations in T cell immunogenicity of acellular pertussis and tetanus immunizations in HIV-exposed infants. <i>Vaccine</i> , 2015 , 33, 4782-9	4.1	9
42	Plasma interferon-gamma-inducible protein 10 can be used to predict viral load in HIV-1-infected individuals. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013 , 63, e115-6	3.1	9
41	Intersubtype differences in the effect of a rare p24 gag mutation on HIV-1 replicative fitness. <i>Journal of Virology</i> , 2012 , 86, 13423-33	6.6	9
40	The PTAP sequence duplication in HIV-1 subtype C Gag p6 in drug-naive subjects of India and South Africa. <i>BMC Infectious Diseases</i> , 2017 , 17, 95	4	8
39	Breastfeeding mitigates the effects of maternal HIV on infant infectious morbidity in the Option B+ era. <i>Aids</i> , 2018 , 32, 2383-2391	3.5	8

38	CTL response to HIV type 1 subtype C is poorly predicted by known epitope motifs. <i>AIDS Research and Human Retroviruses</i> , 2007 , 23, 1033-41	1.6	7
37	European Union and EDCTP strategy in the global context: recommendations for preventive HIV/AIDS vaccines research. <i>Vaccine</i> , 2005 , 23, 5551-6	4.1	7
36	Differential impact of antiretroviral therapy initiated before or during pregnancy on placenta pathology in HIV-positive women. <i>Aids</i> , 2021 , 35, 717-726	3.5	6
35	Impact of Host Molecular Genetic Variations and HIV/HPV Co-infection on Cervical Cancer Progression: A Systematic review. <i>Oncomedicine</i> , 2018 , 3, 82-93	1	6
34	Frequency of Circulating CD4Ki67HLA-DR T Regulatory Cells Prior to Treatment for Multidrug Resistant Tuberculosis Can Differentiate the Severity of Disease and Predict Time to Culture Conversion. <i>Frontiers in Immunology</i> , 2018 , 9, 2438	8.4	6
33	Age, absolute CD4 count, and CD4 percentage in relation to HPV infection and the stage of cervical disease in HIV-1-positive women. <i>Medicine (United States)</i> , 2020 , 99, e19273	1.8	5
32	Immunology Education Without Borders. <i>Frontiers in Immunology</i> , 2019 , 10, 2012	8.4	5
31	SPORE series winner. Immunology for clinicians: a "Trojan Horse" approach. <i>Science</i> , 2010 , 329, 1613-4	33.3	5
30	Combined HIV Adolescent Prevention Study (CHAPS): comparison of HIV pre-exposure prophylaxis regimens for adolescents in sub-Saharan Africa-study protocol for a mixed-methods study including a randomised controlled trial. <i>Trials</i> , 2020 , 21, 900	2.8	5
29	Environment-dependent alterations of immune mediators in urban and rural south African children with atopic dermatitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 ,	9.3	5
28	Investigation of Cervical Tumor Biopsies for Chromosomal Loss of Heterozygosity (LOH) and Microsatellite Instability (MSI) at the II Locus in HIV-1/HPV Co-infected Women. <i>Frontiers in Oncology</i> , 2019 , 9, 951	5.3	5
27	DNA-MVA-protein vaccination of rhesus macaques induces HIV-specific immunity in mucosal-associated lymph nodes and functional antibodies. <i>Vaccine</i> , 2017 , 35, 929-937	4.1	4
26	HLA typing: Conventional techniques v. next-generation sequencing. <i>South African Medical Journal</i> , 2015 , 106, 88-91	1.5	4
25	Impact of maternal HIV exposure, feeding status, and microbiome on infant cellular immunity. <i>Journal of Leukocyte Biology</i> , 2019 , 105, 281-289	6.5	4
24	Characterization of the novel HLA-DQB1*05:272 allele in a South African patient by next-generation sequencing. <i>Hla</i> , 2021 , 97, 173-174	1.9	3
23	Cohort profile: Prematurity Immunology in Mothers living with HIV and their infants Study (PIMS). <i>BMJ Open</i> , 2021 , 11, e047133	3	3
22	Afri-Can Forum 2 : Johannesburg, South Africa. 16-18 February 2015. <i>BMC Infectious Diseases</i> , 2016 , 16 Suppl 2, 315	4	2
21	Cohort Profile: Prematurity Immunology in HIV-infected Mothers and their infants Study (PIMS)		2

20	crAssphage abundance and genomic selective pressure correlate with altered bacterial abundance in the fecal microbiota of South African mother-infant dyads		2
19	T-Cell Homeostatic Imbalance in Placentas From Women With Human Immunodeficiency Virus in the Absence of Vertical Transmission. <i>Journal of Infectious Diseases</i> , 2021 , 224, S670-S682	7	2
18	Impact of chemokine C-C ligand 27, foreskin anatomy and sexually transmitted infections on HIV-1 target cell availability in adolescent South African males. <i>Mucosal Immunology</i> , 2020 , 13, 118-127	9.2	2
17	crAssphage genomes identified in fecal samples of an adult and infants with evidence of positive genomic selective pressure within tail protein genes. <i>Virus Research</i> , 2021 , 292, 198219	6.4	2
16	Placental pathology in women with HIV. <i>Placenta</i> , 2021 , 115, 27-36	3.4	2
15	Frequencies of immune hypersensitivity reaction-associated HLA class I alleles in healthy South African Indian and mixed ancestry populations determined by a novel real-time PCR assay. <i>Tissue Antigens</i> , 2014 , 84, 389-97		1
14	Early evolution of human leucocyte antigen-associated escape mutations in variable Gag proteins predicts CD4+ decline in HIV-1 subtype C-infected women. <i>Aids</i> , 2017 , 31, 191-197	3.5	1
13	Associating antiretroviral therapy initiated before or during pregnancy with placenta pathology in HIV infected women		1
12	Immuno-informatics Design of a Multimeric Epitope Peptide Based Vaccine Targeting SARS-CoV-2 Spike Glycoprotein		1
11	Factors influencing maternal microchimerism throughout infancy and its impact on infant T cell immunity		1
10	An IRF1-IRF4 Toggle-Switch Controls Tolerogenic and Immunogenic Transcriptional Programming in Human Langerhans Cells. <i>Frontiers in Immunology</i> , 2021 , 12, 665312	8.4	1
9	T cell Homeostatic Imbalance in Placentae from Women with HIV in the absence of Vertical Transmission		1
8	Low immune activation in early pregnancy is associated with preterm but not small-for-gestational age delivery in HIV infected women initiating antiretroviral therapy in pregnancy: a PIMS case-control study in Cape Town, South Africa. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	1
7	Turning Discoveries into Treatments: Immunology in Africa. <i>Trends in Immunology</i> , 2020 , 41, 1051-1053	14.4	0
6	Teaching advanced flow cytometry in Africa: 10 years of lessons learned. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016 , 89, 971-974	4.6	0
5	A dead-end host: is there a way out? A position piece on the ebola virus outbreak by the international union of immunology societies. <i>Frontiers in Immunology</i> , 2014 , 5, 562	8.4	
4	The immune response to HIV 2012 , 45-57		
3	Cellular immunity in HIV: a synthesis of responses to preserve self127-154		

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1 The Use of Peptide/MHC Tetramers to Visualize, Track, and Characterize Class I-Restricted Anti-HIV T-Cell Responses 313-331