

# Unaids And Niaid Networks For Hiv Isolation And Characterization

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.

166  
papers

8,307  
citations

44  
h-index

88  
g-index

173  
ext. papers

11,910  
ext. citations

10.4  
avg, IF

5.4  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 166 | Selection analysis identifies unusual clustered mutational changes in Omicron lineage BA.1 that likely impact Spike function. <b>2022</b> ,   |      | 8         |
| 165 | Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa.. <i>Nature</i> , <b>2022</b> ,   | 50.4 | 205       |
| 164 | Escape from recognition of SARS-CoV-2 variant spike epitopes but overall preservation of T cell immunity. <i>Science Translational Medicine</i> , <b>2022</b> , 14,   | 17.5 | 14        |
| 163 | Selection analysis identifies clusters of unusual mutational changes in Omicron lineage BA.1 that likely impact Spike function.. <i>Molecular Biology and Evolution</i> , <b>2022</b> ,   | 8.3  | 10        |
| 162 | Emergence and phenotypic characterization of the global SARS-CoV-2 C.1.2 lineage.. <i>Nature Communications</i> , <b>2022</b> , 13, 1976  | 17.4 | 3         |
| 161 | Assessing the clinical severity of the Omicron variant in the Western Cape Province, South Africa, using the diagnostic PCR proxy marker of RdRp target delay to distinguish between Omicron and Delta infections - a survival analysis.. <i>International Journal of Infectious Diseases</i> , <b>2022</b> , | 10.5 | 3         |
| 160 | Improved oral detection is a characteristic of Omicron infection and has implications for clinical sampling and tissue tropism.. <i>Journal of Clinical Virology</i> , <b>2022</b> , 152, 105170  | 14.5 | 2         |
| 159 | Omicron extensively but incompletely escapes Pfizer BNT162b2 neutralization.. <i>Nature</i> , <b>2021</b> ,   | 50.4 | 209       |
| 158 | A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. <i>Science</i> , <b>2021</b> , 374, 423-431  | 33.3 | 35        |
| 157 | Selection of HIV Envelope strains for standardized assessments of vaccine-elicited antibody-dependent cellular cytotoxicity (ADCC)-mediating antibodies. <i>Journal of Virology</i> , <b>2021</b> , JVI0164321  | 6.6  | 3         |
| 156 | ADCC-mediating non-neutralizing antibodies can exert immune pressure in early HIV-1 infection. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1010046   | 7.6  | 3         |
| 155 | Prior infection with SARS-CoV-2 boosts and broadens Ad26.COVS immunogenicity in a variant-dependent manner. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 1611-1619.e5   | 23.4 | 38        |
| 154 | Detection of a SARS-CoV-2 variant of concern in South Africa. <i>Nature</i> , <b>2021</b> , 592, 438-443  | 50.4 | 685       |
| 153 | SARS-CoV-2 501Y.V2 (B.1.351) elicits cross-reactive neutralizing antibodies <b>2021</b> ,   |      | 16        |
| 152 | Two Randomized Trials of Neutralizing Antibodies to Prevent HIV-1 Acquisition. <i>New England Journal of Medicine</i> , <b>2021</b> , 384, 1003-1014  | 59.2 | 77        |
| 151 | Neutralization sensitivity of genital tract HIV-1: shift in selective milieu shapes the population available to transmit. <i>Aids</i> , <b>2021</b> , 35, 1365-1373   | 3.5  |           |
| 150 | Cross-Reactive Neutralizing Antibody Responses Elicited by SARS-CoV-2 501Y.V2 (B.1.351). <i>New England Journal of Medicine</i> , <b>2021</b> , 384, 2161-2163  | 59.2 | 63        |

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|-----|--|------|-----|
| 149 | Immunological Correlates of the HIV-1 Replication-Competent Reservoir Size. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, 1528-1531  | 11.6 | 1   |
| 148 | HIV-1 and SARS-CoV-2: Patterns in the evolution of two pandemic pathogens. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 1093-1110  | 23.4 | 19  |
| 147 | Sixteen novel lineages of SARS-CoV-2 in South Africa. <i>Nature Medicine</i> , <b>2021</b> , 27, 440-446   | 50.5 | 206 |
| 146 | Escape from recognition of SARS-CoV-2 Beta variant spike epitopes but overall preservation of T cell immunity.. <i>Science Translational Medicine</i> , <b>2021</b> , eabj6824   | 17.5 | 4   |
| 145 | Detectable HIV-1 in semen in individuals with very low blood viral loads. <i>Virology Journal</i> , <b>2020</b> , 17, 29   | 6.1  | 6   |
| 144 | Compartmentalization and Clonal Amplification of HIV-1 in the Male Genital Tract Characterized Using Next-Generation Sequencing. <i>Journal of Virology</i> , <b>2020</b> , 94,  | 6.6  | 4   |
| 143 | Effect of HIV Envelope Vaccination on the Subsequent Antibody Response to HIV Infection. <i>MSphere</i> , <b>2020</b> , 5,   | 5    | 3   |
| 142 | Assessing the safety and pharmacokinetics of the anti-HIV monoclonal antibody CAP256V2LS alone and in combination with VRC07-523LS and PGT121 in South African women: study protocol for the first-in-human CAPRISA 012B phase I clinical trial. <i>BMJ Open</i> , <b>2020</b> , 10, e042247 | 3    | 8   |
| 141 | The complex challenges of HIV vaccine development require renewed and expanded global commitment. <i>Lancet, The</i> , <b>2020</b> , 395, 384-388  | 40   | 26  |
| 140 | Antibody Isotype Switching as a Mechanism to Counter HIV Neutralization Escape. <i>Cell Reports</i> , <b>2020</b> , 33, 108430   | 10.6 | 4   |
| 139 | Importance of early identification of PrEP breakthrough infections in a generalized HIV epidemic: a case report from a PrEP demonstration project in South Africa. <i>BMC Infectious Diseases</i> , <b>2020</b> , 20, 532  | 4    | 0   |
| 138 | HIV-1 Subtype C Tier 3 Viruses Have Increased Infectivity Compared to Tier 2 Viruses. <i>AIDS Research and Human Retroviruses</i> , <b>2020</b> , 36, 1010-1019  | 1.6  |     |
| 137 | Global and regional epidemiology of HIV-1 recombinants in 1990-2015: a systematic review and global survey. <i>Lancet HIV,the</i> , <b>2020</b> , 7, e772-e781   | 7.8  | 14  |
| 136 | Longer-Term Outcomes of HIV-Positive-to-HIV-Positive Renal Transplantation. <i>New England Journal of Medicine</i> , <b>2019</b> , 381, 1387-1389  | 59.2 | 24  |
| 135 | Evidence for both Intermittent and Persistent Compartmentalization of HIV-1 in the Female Genital Tract. <i>Journal of Virology</i> , <b>2019</b> , 93,  | 6.6  | 3   |
| 134 | Rational design and in vivo selection of SHIVs encoding transmitted/founder subtype C HIV-1 envelopes. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007632  | 7.6  | 9   |
| 133 | Combining Viral Genetics and Statistical Modeling to Improve HIV-1 Time-of-infection Estimation towards Enhanced Vaccine Efficacy Assessment. <i>Viruses</i> , <b>2019</b> , 11,   | 6.2  | 6   |
| 132 | The replication-competent HIV-1 latent reservoir is primarily established near the time of therapy initiation. <i>Science Translational Medicine</i> , <b>2019</b> , 11,   | 17.5 | 66  |

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|-----|---|------|-----|
| 131 | Antibody-Dependent Cellular Cytotoxicity (ADCC)-Mediating Antibodies Constrain Neutralizing Antibody Escape Pathway. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2875  | 8.4  | 14  |
| 130 | Partner HIV Serostatus Impacts Viral Load, Genital HIV Shedding, and Immune Activation in HIV-Infected Individuals. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2019</b> , 82, 51-60                                     | 3.1  | 2   |
| 129 | Positive Selection at Key Residues in the HIV Envelope Distinguishes Broad and Strain-Specific Plasma Neutralizing Antibodies. <i>Journal of Virology</i> , <b>2019</b> , 93,   | 6.6  | 11  |
| 128 | Global and regional molecular epidemiology of HIV-1, 1990-2015: a systematic review, global survey, and trend analysis. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, 143-155  | 25.5 | 135 |
| 127 | Integrin Expression on peripheral blood CD4 T cells predicts HIV acquisition and disease progression outcomes. <i>Science Translational Medicine</i> , <b>2018</b> , 10,  | 17.5 | 62  |
| 126 | Case report: mechanisms of HIV elite control in two African women. <i>BMC Infectious Diseases</i> , <b>2018</b> , 18, 54  | 4    | 26  |
| 125 | HIV Superinfection Drives De Novo Antibody Responses and Not Neutralization Breadth. <i>Cell Host and Microbe</i> , <b>2018</b> , 24, 593-599.e3  | 23.4 | 17  |
| 124 | DNA-MVA-protein vaccination of rhesus macaques induces HIV-specific immunity in mucosal-associated lymph nodes and functional antibodies. <i>Vaccine</i> , <b>2017</b> , 35, 929-937  | 4.1  | 4   |
| 123 | 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> , <b>2017</b> , 17, 95   | 4    | 8   |
| 122 | Replication Capacity of Viruses from Acute Infection Drives HIV-1 Disease Progression. <i>Journal of Virology</i> , <b>2017</b> , 91,   | 6.6  | 10  |
| 121 | Brief Report: Selection of HIV-1 Variants With Higher Transmission Potential by 1% Tenofovir Gel Microbicide. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2017</b> , 76, 43-47   | 3.1  | 4   |
| 120 | Panels of HIV-1 Subtype C Env Reference Strains for Standardized Neutralization Assessments. <i>Journal of Virology</i> , <b>2017</b> , 91,   | 6.6  | 18  |
| 119 | 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> , <b>2017</b> , 31, 191-197  | 3.5  | 1   |
| 118 | Cooperation between Strain-Specific and Broadly Neutralizing Responses Limited Viral Escape and Prolonged the Exposure of the Broadly Neutralizing Epitope. <i>Journal of Virology</i> , <b>2017</b> , 91,                                      | 6.6  | 26  |
| 117 | Cervicovaginal Inflammation Facilitates Acquisition of Less Infectious HIV Variants. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 64, 79-82  | 11.6 | 28  |
| 116 | Structure and Recognition of a Novel HIV-1 gp120-gp41 Interface Antibody that Caused MPER Exposure through Viral Escape. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006074   | 7.6  | 30  |
| 115 | From Bench to Bedside: Lessons from HIV Natural History Cohort Studies <b>2017</b> , 137-152  |      |     |
| 114 | Short Communication: A Recombinant Variant with Increased Envelope Entry Efficiency Emerged During Early Infection of an HIV-1 Subtype C Dual Infected Rapid Progressor. <i>AIDS Research and Human Retroviruses</i> , <b>2016</b> , 32, 303-10 | 1.6  | 2   |

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| 113 | Metabolic Syndrome After HIV Acquisition in South African Women. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2016</b> , 73, 438-445   | 3.1  | 17  |
| 112 | Approaches to the induction of HIV broadly neutralizing antibodies. <i>Current Opinion in HIV and AIDS</i> , <b>2016</b> , 11, 569-575   | 4.2  | 12  |
| 111 | Sequential Immunization with gp140 Boosts Immune Responses Primed by Modified Vaccinia Ankara or DNA in HIV-Uninfected South African Participants. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161753                    | 3.7  | 11  |
| 110 | Features of Recently Transmitted HIV-1 Clade C Viruses that Impact Antibody Recognition: Implications for Active and Passive Immunization. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005742                      | 7.6  | 61  |
| 109 | Optimal Combinations of Broadly Neutralizing Antibodies for Prevention and Treatment of HIV-1 Clade C Infection. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005520  | 7.6  | 106 |
| 108 | Subtype C gp140 Vaccine Boosts Immune Responses Primed by the South African AIDS Vaccine Initiative DNA-C2 and MVA-C HIV Vaccines after More than a 2-Year Gap. <i>Vaccine Journal</i> , <b>2016</b> , 23, 496-506 |      | 18  |
| 107 | Structure of an N276-Dependent HIV-1 Neutralizing Antibody Targeting a Rare V5 Glycan Hole Adjacent to the CD4 Binding Site. <i>Journal of Virology</i> , <b>2016</b> , 90, 10220-10235                            | 6.6  | 21  |
| 106 | HIV-1 Superinfection Resembles Primary Infection. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 904-8   | 7    | 11  |
| 105 | Genital inflammation and the risk of HIV acquisition in women. <i>Clinical Infectious Diseases</i> , <b>2015</b> , 61, 260-266   | 11.6 | 239 |
| 104 | HIV-1 replication capacity: Setting the pace of disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 3591-2  | 11.5 |     |
| 103 | Generation and evaluation of clade C simian-human immunodeficiency virus challenge stocks. <i>Journal of Virology</i> , <b>2015</b> , 89, 1965-74  | 6.6  | 25  |
| 102 | A multivalent clade C HIV-1 Env trimer cocktail elicits a higher magnitude of neutralizing antibodies than any individual component. <i>Journal of Virology</i> , <b>2015</b> , 89, 2507-19                        | 6.6  | 33  |
| 101 | Viral variants that initiate and drive maturation of V1V2-directed HIV-1 broadly neutralizing antibodies. <i>Nature Medicine</i> , <b>2015</b> , 21, 1332-6  | 50.5 | 154 |
| 100 | Differences in HIV type 1 neutralization breadth in 2 geographically distinct cohorts in Africa. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 211, 1461-6   | 7    | 6   |
| 99  | South African HIV-1 subtype C transmitted variants with a specific V2 motif show higher dependence on $\beta$ for replication. <i>Retrovirology</i> , <b>2015</b> , 12, 54   | 3.6  | 18  |
| 98  | False-negative HIV-1 polymerase chain reaction in a 15-month-old boy with HIV-1 subtype C infection. <i>South African Medical Journal</i> , <b>2015</b> , 105, 877   | 1.5  | 3   |
| 97  | HIV disease progression in seroconvertors from the CAPRISA 004 tenofovir gel pre-exposure prophylaxis trial. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2015</b> , 68, 55-61               | 3.1  | 10  |
| 96  | Virological features associated with the development of broadly neutralizing antibodies to HIV-1. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 204-11   | 12.4 | 63  |

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|----|---|------|-----|
| 95 | Developmental pathway for potent V1V2-directed HIV-neutralizing antibodies. <i>Nature</i> , <b>2014</b> , 509, 55-62  | 50.4 | 537 |
| 94 | Presence of Male Partner Semen Influences the Inflammatory and Innate Cytokine Environment in the Female Genital Tract. <i>AIDS Research and Human Retroviruses</i> , <b>2014</b> , 30, A235-A236   | 1.6  |     |
| 93 | Defining genital tract cytokine signatures of sexually transmitted infections and bacterial vaginosis in women at high risk of HIV infection: a cross-sectional study. <i>Sexually Transmitted Infections</i> , <b>2014</b> , 90, 580-7   | 2.8  | 112 |
| 92 | Impact of clade, geography, and age of the epidemic on HIV-1 neutralization by antibodies. <i>Journal of Virology</i> , <b>2014</b> , 88, 12623-43  | 6.6  | 59  |
| 91 | 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> , <b>2014</b> , 468-470, 214-225   | 3.6  | 15  |
| 90 | Epidemiology of HIV-1 subtypes among men who have sex with men in Cape Town, South Africa. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2014</b> , 65, 473-80   | 3.1  | 22  |
| 89 | Response to Bingle genome amplification and sequencing methods require appropriate thresholds for viral transmission and evolution studies <i>Aids</i> , <b>2014</b> , 28, 142-4  | 3.5  | 0   |
| 88 | Limited HIV-1 superinfection in seroconverters from the CAPRISA 004 Microbicide Trial. <i>Journal of Clinical Microbiology</i> , <b>2014</b> , 52, 844-8  | 9.7  | 12  |
| 87 | Viral Escape Pathways from Broadly Neutralising Antibodies Targeting the HIV Envelope Cleavage Site Enhance MPER Mediated Neutralisation. <i>AIDS Research and Human Retroviruses</i> , <b>2014</b> , 30, A20-A21   | 1.6  | 1   |
| 86 | The Sequence of the $\beta$ -binding Motif on Gp120 of Transmitted/Founder Viruses Contributes to the Dependence on the Integrin for HIV Infection. <i>AIDS Research and Human Retroviruses</i> , <b>2014</b> , 30, A56-A56   | 1.6  | 1   |
| 85 | HIV infection in high school students in rural South Africa: role of transmissions among students. <i>AIDS Research and Human Retroviruses</i> , <b>2014</b> , 30, 956-65   | 1.6  | 15  |
| 84 | Differential impact of magnitude, polyfunctional capacity, and specificity of HIV-specific CD8+ T cell responses on HIV set point. <i>Journal of Virology</i> , <b>2014</b> , 88, 1819-24   | 6.6  | 32  |
| 83 | Rapid disease progression in HIV-1 subtype C-infected South African women. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 59, 1322-31  | 11.6 | 35  |
| 82 | Striking lack of T cell immunodominance in both a multiclade and monoclade HIV-1 epidemic: implications for vaccine development. <i>Vaccine</i> , <b>2014</b> , 32, 2328-36   | 4.1  | 3   |
| 81 | Characterization of HIV-1 gag and nef in Cameroon: further evidence of extreme diversity at the origin of the HIV-1 group M epidemic. <i>Virology Journal</i> , <b>2013</b> , 10, 29  | 6.1  | 18  |
| 80 | Comparison of viral Env proteins from acute and chronic infections with subtype C human immunodeficiency virus type 1 identifies differences in glycosylation and CCR5 utilization and suggests a new strategy for immunogen design. <i>Journal of Virology</i> , <b>2013</b> , 87, 7218-33 | 6.6  | 93  |
| 79 | Identification of broadly neutralizing antibody epitopes in the HIV-1 envelope glycoprotein using evolutionary models. <i>Virology Journal</i> , <b>2013</b> , 10, 347  | 6.1  | 12  |
| 78 | Viral escape from HIV-1 neutralizing antibodies drives increased plasma neutralization breadth through sequential recognition of multiple epitopes and immunotypes. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003738   | 7.6  | 147 |

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| 77 | Multiple pathways of escape from HIV broadly cross-neutralizing V2-dependent antibodies. <i>Journal of Virology</i> , <b>2013</b> , 87, 4882-94   | 6.6  | 55  |
| 76 | Rapid, complex adaptation of transmitted HIV-1 full-length genomes in subtype C-infected individuals with differing disease progression. <i>Aids</i> , <b>2013</b> , 27, 507-18   | 3.5  | 11  |
| 75 | Challenges of diagnosing acute HIV-1 subtype C infection in African women: performance of a clinical algorithm and the need for point-of-care nucleic-acid based testing. <i>PLoS ONE</i> , <b>2013</b> , 8, e62928     | 3.7  | 11  |
| 74 | No evidence for selection of HIV-1 with enhanced gag-protease or Nef function among breakthrough infections in the CAPRISA 004 tenofovir microbicide trial. <i>PLoS ONE</i> , <b>2013</b> , 8, e71758                   | 3.7  | 9   |
| 73 | Vertical T cell immunodominance and epitope entropy determine HIV-1 escape. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 380-93  | 15.9 | 141 |
| 72 | Degenerate Primer IDs and the birthday problem. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E1330; author reply E1331                                   | 11.5 | 19  |
| 71 | Evolution of an HIV glycan-dependent broadly neutralizing antibody epitope through immune escape. <i>Nature Medicine</i> , <b>2012</b> , 18, 1688-92  | 50.5 | 234 |
| 70 | CAPRISA 004 tenofovir microbicide trial: no impact of tenofovir gel on the HIV transmission bottleneck. <i>Journal of Infectious Diseases</i> , <b>2012</b> , 206, 35-40  | 7    | 15  |
| 69 | Genital tract inflammation during early HIV-1 infection predicts higher plasma viral load set point in women. <i>Journal of Infectious Diseases</i> , <b>2012</b> , 205, 194-203  | 7    | 62  |
| 68 | Intersubtype differences in the effect of a rare p24 gag mutation on HIV-1 replicative fitness. <i>Journal of Virology</i> , <b>2012</b> , 86, 13423-33   | 6.6  | 9   |
| 67 | The HIV-1 epidemic: low- to middle-income countries. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2012</b> , 2, a007187  | 5.4  | 51  |
| 66 | Symptomatic vaginal discharge is a poor predictor of sexually transmitted infections and genital tract inflammation in high-risk women in South Africa. <i>Journal of Infectious Diseases</i> , <b>2012</b> , 206, 6-14 | 7    | 131 |
| 65 | Genetic characterization of HIV before widespread testing of HIV vaccine candidates at a clinical trial site in Pretoria, South Africa. <i>AIDS Research and Human Retroviruses</i> , <b>2012</b> , 28, 1131-8          | 1.6  | 3   |
| 64 | Increased memory differentiation is associated with decreased polyfunctionality for HIV but not for cytomegalovirus-specific CD8+ T cells. <i>Journal of Immunology</i> , <b>2012</b> , 189, 3838-47                    | 5.3  | 17  |
| 63 | Potent and broad neutralization of HIV-1 subtype C by plasma antibodies targeting a quaternary epitope including residues in the V2 loop. <i>Journal of Virology</i> , <b>2011</b> , 85, 3128-41                        | 6.6  | 128 |
| 62 | 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> , <b>2011</b> , 6, e26096               | 3.7  | 10  |
| 61 | Multiple HIV-1 infections with evidence of recombination in heterosexual partnerships in a low risk Rural Clinical Cohort in Uganda. <i>Virology</i> , <b>2011</b> , 411, 113-31  | 3.6  | 24  |
| 60 | Defining the human immunodeficiency virus type 1 transmission genetic bottleneck in a region with multiple circulating subtypes and recombinant forms. <i>Virology</i> , <b>2011</b> , 415, 107-13                      | 3.6  | 7   |

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|----|--|-----|-----|
| 59 | A novel candidate HIV vaccine vector based on the replication deficient Capripoxvirus, Lumpy skin disease virus (LSDV). <i>Virology Journal</i> , <b>2011</b> , 8, 265   | 6.1 | 14  |
| 58 | The neutralization breadth of HIV-1 develops incrementally over four years and is associated with CD4+ T cell decline and high viral load during acute infection. <i>Journal of Virology</i> , <b>2011</b> , 85, 4828-40   | 6.6 | 348 |
| 57 | Short communication decreased incidence of dual infections in South african subtype C-infected women compared to a cohort ten years earlier. <i>AIDS Research and Human Retroviruses</i> , <b>2011</b> , 27, 1167-72 <sup>1.6</sup>  | 1.6 | 5   |
| 56 | 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> , <b>2010</b> , 84, 12018-29  | 6.6 | 22  |
| 55 | Viral and host factors associated with the HIV-1 viral load setpoint in adults from Mbeya Region, Tanzania. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , <b>2010</b> , 54, 324-30   | 3.1 | 19  |
| 54 | Plasma cytokine levels during acute HIV-1 infection predict HIV disease progression. <i>Aids</i> , <b>2010</b> , 24, 819-31 <sup>1.5</sup>   | 1.5 | 146 |
| 53 | A rev1-vpu polymorphism unique to HIV-1 subtype A and C strains impairs envelope glycoprotein expression from rev-vpu-env cassettes and reduces virion infectivity in pseudotyping assays. <i>Virology</i> , <b>2010</b> , 397, 346-57   | 3.6 | 20  |
| 52 | 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> , <b>2009</b> , 182, 4751-61  | 5.3 | 68  |
| 51 | 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> , <b>2009</b> , 90, 468-480                      | 4.9 | 33  |
| 50 | Limited neutralizing antibody specificities drive neutralization escape in early HIV-1 subtype C infection. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000598  | 7.6 | 184 |
| 49 | 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> , <b>2009</b> , 83, 470-8 | 6.6 | 54  |
| 48 | 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> , <b>2009</b> , 27, 4857-66   | 4.1 | 26  |
| 47 | HIV molecular epidemiology: transmission and adaptation to human populations. <i>Current Opinion in HIV and AIDS</i> , <b>2009</b> , 4, 247-52   | 4.2 | 23  |
| 46 | Conserved positive selection signals in gp41 across multiple subtypes and difference in selection signals detectable in gp41 sequences sampled during acute and chronic HIV-1 subtype C infection. <i>Virology Journal</i> , <b>2008</b> , 5, 141  | 6.1 | 4   |
| 45 | A multigene HIV type 1 subtype C modified vaccinia Ankara (MVA) vaccine efficiently boosts immune responses to a DNA vaccine in mice. <i>AIDS Research and Human Retroviruses</i> , <b>2008</b> , 24, 207-17   | 1.6 | 20  |
| 44 | Relationship between levels of inflammatory cytokines in the genital tract and CD4+ cell counts in women with acute HIV-1 infection. <i>Journal of Infectious Diseases</i> , <b>2008</b> , 198, 710-4  | 7   | 60  |
| 43 | Construction, characterization, and immunogenicity of a multigene modified vaccinia Ankara (MVA) vaccine based on HIV type 1 subtype C. <i>AIDS Research and Human Retroviruses</i> , <b>2008</b> , 24, 195-206  | 1.6 | 36  |
| 42 | Transmission of HIV-1 CTL escape variants provides HLA-mismatched recipients with a survival advantage. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000033  | 7.6 | 118 |



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| 41 | The c3-v4 region is a major target of autologous neutralizing antibodies in human immunodeficiency virus type 1 subtype C infection. <i>Journal of Virology</i> , <b>2008</b> , 82, 1860-9   | 6.6  | 132 |
| 40 | HIV-1 subtype C Pr55gag virus-like particle vaccine efficiently boosts baboons primed with a matched DNA vaccine. <i>Journal of General Virology</i> , <b>2008</b> , 89, 2214-2227   | 4.9  | 22  |
| 39 | African AIDS vaccine programme for a coordinated and collaborative vaccine development effort on the continent. <i>PLoS Medicine</i> , <b>2008</b> , 5, e236   | 11.6 | 10  |
| 38 | Anaemia in acute HIV-1 subtype C infection. <i>PLoS ONE</i> , <b>2008</b> , 3, e1626   | 3.7  | 14  |
| 37 | 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> , <b>2008</b> , 3, e1954   | 3.7  | 150 |
| 36 | Combined single-clade candidate HIV-1 vaccines induce T cell responses limited by multiple forms of in vivo immune interference. <i>European Journal of Immunology</i> , <b>2007</b> , 37, 566-77  | 6.1  | 31  |
| 35 | Genetic characteristics of HIV-1 subtype C envelopes inducing cross-neutralizing antibodies. <i>Virology</i> , <b>2007</b> , 368, 172-81   | 3.6  | 42  |
| 34 | Utilizing nucleic acid amplification to identify acute HIV infection. <i>Aids</i> , <b>2007</b> , 21, 653-5  | 3.5  | 11  |
| 33 | Longitudinal analysis of HIV type 1 subtype C envelope sequences from South Africa. <i>AIDS Research and Human Retroviruses</i> , <b>2007</b> , 23, 316-21   | 1.6  | 23  |
| 32 | CTL response to HIV type 1 subtype C is poorly predicted by known epitope motifs. <i>AIDS Research and Human Retroviruses</i> , <b>2007</b> , 23, 1033-41  | 1.6  | 7   |
| 31 | CD8 T-cell recognition of multiple epitopes within specific Gag regions is associated with maintenance of a low steady-state viremia in human immunodeficiency virus type 1-seropositive patients. <i>Journal of Virology</i> , <b>2007</b> , 81, 2440-8 | 6.6  | 126 |
| 30 | HIV type 1 subtype C gag and nef diversity in Southern Africa. <i>AIDS Research and Human Retroviruses</i> , <b>2007</b> , 23, 477-81  | 1.6  | 18  |
| 29 | Genetic and neutralization properties of subtype C human immunodeficiency virus type 1 molecular env clones from acute and early heterosexually acquired infections in Southern Africa. <i>Journal of Virology</i> , <b>2006</b> , 80, 11776-90          | 6.6  | 311 |
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| 27 | Enrolling adolescents in research on HIV and other sensitive issues: lessons from South Africa. <i>PLoS Medicine</i> , <b>2006</b> , 3, e180   | 11.6 | 33  |
| 26 | 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> , <b>2005</b> , 21, 285-91   | 1.6  | 24  |
| 25 | The challenges of HIV vaccine development and testing. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , <b>2005</b> , 19, 277-91   | 4.6  | 3   |
| 24 | Investigation of HIV in amniotic fluid from HIV-infected pregnant women at full term. <i>Journal of Infectious Diseases</i> , <b>2005</b> , 192, 488-91  | 7    | 18  |

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| 22 | Human immunodeficiency virus type 1 subtype C Gag virus-like particle boost substantially improves the immune response to a subtype C gag DNA vaccine in mice. <i>Journal of General Virology</i> , <b>2004</b> , 85, 409-413 | 4.9 | 31  |
| 21 | Dual HIV-1 infection associated with rapid disease progression. <i>Lancet, The</i> , <b>2004</b> , 363, 619-22  | 4.0 | 163 |
| 20 | Heterosexual transmission of multiple highly conserved viral variants in HIV-1 subtype C-infected seronegative women. <i>Aids</i> , <b>2004</b> , 18, 2096-8  | 3.5 | 6   |
| 19 | Construction and characterisation of a candidate HIV-1 subtype C DNA vaccine for South Africa. <i>Vaccine</i> , <b>2003</b> , 21, 4380-9  | 4.1 | 18  |
| 18 | Characterization and selection of HIV-1 subtype C isolates for use in vaccine development. <i>AIDS Research and Human Retroviruses</i> , <b>2003</b> , 19, 133-44   | 1.6 | 103 |
| 17 | Alphavirus replicon particles as candidate HIV vaccines. <i>IUBMB Life</i> , <b>2002</b> , 53, 209-11   | 4.7 | 82  |
| 16 | HIV-1 Subtype A, D, G, AG and unclassified sequences identified in South Africa. <i>AIDS Research and Human Retroviruses</i> , <b>2002</b> , 18, 681-3  | 1.6 | 28  |
| 15 | Regional clustering of shared neutralization determinants on primary isolates of clade C human immunodeficiency virus type 1 from South Africa. <i>Journal of Virology</i> , <b>2002</b> , 76, 2233-44                        | 6.6 | 105 |
| 14 | Vertical HIV transmission in South Africa: translating research into policy and practice. <i>Lancet, The</i> , <b>2002</b> , 359, 992-3   | 4.0 | 16  |
| 13 | 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> , <b>2001</b> , 17, 1681-7             | 1.6 | 20  |
| 12 | Characterization of full-length HIV type 1 subtype C sequences from South Africa. <i>AIDS Research and Human Retroviruses</i> , <b>2001</b> , 17, 1527-31   | 1.6 | 52  |
| 11 | Allelic frequencies of host genetic variants influencing susceptibility to HIV-1 infection and disease in South African populations. <i>Aids</i> , <b>2000</b> , 14, 449-51   | 3.5 | 34  |
| 10 | Restriction fragment length polymorphism analysis for rapid gag subtype determination of human immunodeficiency virus type 1 in South Africa. <i>Journal of Virological Methods</i> , <b>1999</b> , 78, 51-9                  | 2.6 | 14  |
| 9  | An association between HIV-1 subtypes and mode of transmission in Cape Town, South Africa. <i>Aids</i> , <b>1997</b> , 11, 81-7   | 3.5 | 98  |
| 8  | HIV-1 subtypes in different risk groups in South Africa. <i>Lancet, The</i> , <b>1995</b> , 346, 782  | 4.0 | 38  |
| 7  | Reverse transcription and subsequent DNA amplification of rubella virus RNA. <i>Journal of Virological Methods</i> , <b>1989</b> , 25, 21-9   | 2.6 | 27  |
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| 5 | Rapid epidemic expansion of the SARS-CoV-2 Omicron variant in southern Africa. <i>Nature</i> ,                                | 50.4 | 20 |
| 4 | A tale of two variants: Spread of SARS-CoV-2 variants Alpha in Geneva, Switzerland, and Beta in South Africa                  |      | 11 |
| 3 | Emergence and phenotypic characterization of C.1.2, a globally detected lineage that rapidly accumulated mutations of concern |      | 23 |
| 2 | Rapid replacement of the Beta variant by the Delta variant in South Africa  |      | 17 |
| 1 | Continued Emergence and Evolution of Omicron in South Africa: New BA.4 and BA.5 lineages                                      |      | 7  |