

Cynthia A Derdeyn

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.

64
papers

4,720
citations

32
h-index

66
g-index

66
ext. papers

5,377
ext. citations

9.6
avg, IF

4.59
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 64 | Synthesis and Evaluation of Novel Tetrahydronaphthyridine CXCR4 Antagonists with Improved Drug-like Profiles.. <i>Journal of Medicinal Chemistry</i> , 2022 , 65, 4058-4084 | 8.3 | 0 |
| 63 | A neutralizing antibody target in early HIV-1 infection was recapitulated in rhesus macaques immunized with the transmitted/founder envelope sequence.. <i>PLoS Pathogens</i> , 2022 , 18, e1010488 | 7.6 | |
| 62 | The C3/465 glycan hole cluster in BG505 HIV-1 envelope is the major neutralizing target involved in preventing mucosal SHIV infection. <i>PLoS Pathogens</i> , 2021 , 17, e1009257 | 7.6 | 9 |
| 61 | Increased homeostatic cytokines and stability of HIV-infected memory CD4 T-cells identify individuals with suboptimal CD4 T-cell recovery on-ART. <i>PLoS Pathogens</i> , 2021 , 17, e1009825 | 7.6 | 5 |
| 60 | T cell-inducing vaccine durably prevents mucosal SHIV infection even with lower neutralizing antibody titers. <i>Nature Medicine</i> , 2020 , 26, 932-940 | 50.5 | 60 |
| 59 | Robust and persistent reactivation of SIV and HIV by N-803 and depletion of CD8 cells. <i>Nature</i> , 2020 , 578, 154-159 | 50.4 | 70 |
| 58 | Clade C HIV-1 Envelope Vaccination Regimens Differ in Their Ability To Elicit Antibodies with Moderate Neutralization Breadth against Genetically Diverse Tier 2 HIV-1 Envelope Variants. <i>Journal of Virology</i> , 2019 , 93, | 6.6 | 9 |
| 57 | Vaccine induction of antibodies and tissue-resident CD8+ T cells enhances protection against mucosal SHIV-infection in young macaques. <i>JCI Insight</i> , 2019 , 4, | 9.9 | 31 |
| 56 | Human Immunodeficiency Virus C.1086 Envelope gp140 Protein Boosts following DNA/Modified Vaccinia Virus Ankara Vaccination Fail To Enhance Heterologous Anti-V1V2 Antibody Response and Protection against Clade C Simian-Human Immunodeficiency Virus Challenge. <i>Journal of Virology</i> , 2019 , 93, | 6.6 | 8 |
| 55 | Strong T1-biased CD4 T cell responses are associated with diminished SIV vaccine efficacy. <i>Science Translational Medicine</i> , 2019 , 11, | 17.5 | 6 |
| 54 | VH1-69 Utilizing Antibodies Are Capable of Mediating Non-neutralizing Fc-Mediated Effector Functions Against the Transmitted/Founder gp120. <i>Frontiers in Immunology</i> , 2018 , 9, 3163 | 8.4 | 13 |
| 53 | New Connections: Cell-to-Cell HIV-1 Transmission, Resistance to Broadly Neutralizing Antibodies, and an Envelope Sorting Motif. <i>Journal of Virology</i> , 2017 , 91, | 6.6 | 5 |
| 52 | Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5 α Restrictive Macaques. <i>Journal of Virology</i> , 2017 , 91, | 6.6 | 58 |
| 51 | CD8(+) Lymphocytes Are Required for Maintaining Viral Suppression in SIV-Infected Macaques Treated with Short-Term Antiretroviral Therapy. <i>Immunity</i> , 2016 , 45, 656-668 | 32.3 | 112 |
| 50 | Adenoviral vectors elicit humoral immunity against variable loop 2 of clade C HIV-1 gp120 via "Antigen Capsid-Incorporation" strategy. <i>Virology</i> , 2016 , 487, 75-84 | 3.6 | 6 |
| 49 | Signatures in Simian Immunodeficiency Virus SIVsmE660 Envelope gp120 Are Associated with Mucosal Transmission but Not Vaccination Breakthrough in Rhesus Macaques. <i>Journal of Virology</i> , 2016 , 90, 1880-7 | 6.6 | 14 |
| 48 | Harnessing the protective potential of HIV-1 neutralizing antibodies. <i>F1000Research</i> , 2016 , 5, | 3.6 | 4 |

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| 47 | Effect of Glycosylation on an Immunodominant Region in the V1V2 Variable Domain of the HIV-1 Envelope gp120 Protein. <i>PLoS Computational Biology</i> , 2016 , 12, e1005094 | 5 | 17 |
| 46 | Diversification in the HIV-1 Envelope Hyper-variable Domains V2, V4, and V5 and Higher Probability of Transmitted/Founder Envelope Glycosylation Favor the Development of Heterologous Neutralization Breadth. <i>PLoS Pathogens</i> , 2016 , 12, e1005989 | 7.6 | 23 |
| 45 | Transmitted virus fitness and host T cell responses collectively define divergent infection outcomes in two HIV-1 recipients. <i>PLoS Pathogens</i> , 2015 , 11, e1004565 | 7.6 | 39 |
| 44 | HIV-1 non-macrophage-tropic R5 envelope glycoproteins are not more tropic for entry into primary CD4+ T-cells than envelopes highly adapted for macrophages. <i>Retrovirology</i> , 2015 , 12, 25 | 3.6 | 13 |
| 43 | A pathway to HIV-1 neutralization breadth. <i>Nature Medicine</i> , 2015 , 21, 1246-7 | 50.5 | 2 |
| 42 | Dualtropic CXCR6/CCR5 Simian Immunodeficiency Virus (SIV) Infection of Sooty Mangabey Primary Lymphocytes: Distinct Coreceptor Use in Natural versus Pathogenic Hosts of SIV. <i>Journal of Virology</i> , 2015 , 89, 9252-61 | 6.6 | 35 |
| 41 | Breakthrough of SIV strain smE660 challenge in SIV strain mac239-vaccinated rhesus macaques despite potent autologous neutralizing antibody responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10780-5 | 11.5 | 24 |
| 40 | Infection of ectocervical tissue and universal targeting of T-cells mediated by primary non-macrophage-tropic and highly macrophage-tropic HIV-1 R5 envelopes. <i>Retrovirology</i> , 2015 , 12, 48 | 3.6 | 4 |
| 39 | Characterization and Implementation of a Diverse Simian Immunodeficiency Virus SIVsm Envelope Panel in the Assessment of Neutralizing Antibody Breadth Elicited in Rhesus Macaques by Multimodal Vaccines Expressing the SIVmac239 Envelope. <i>Journal of Virology</i> , 2015 , 89, 8130-51 | 6.6 | 20 |
| 38 | Low antibody-dependent cellular cytotoxicity responses in Zambians prior to HIV-1 intrasubtype C superinfection. <i>Virology</i> , 2014 , 462-463, 295-8 | 3.6 | 6 |
| 37 | Live simian immunodeficiency virus vaccine correlate of protection: local antibody production and concentration on the path of virus entry. <i>Journal of Immunology</i> , 2014 , 193, 3113-25 | 5.3 | 56 |
| 36 | Target cell availability, rather than breast milk factors, dictates mother-to-infant transmission of SIV in sooty mangabeys and rhesus macaques. <i>PLoS Pathogens</i> , 2014 , 10, e1003958 | 7.6 | 32 |
| 35 | CD4 depletion in SIV-infected macaques results in macrophage and microglia infection with rapid turnover of infected cells. <i>PLoS Pathogens</i> , 2014 , 10, e1004467 | 7.6 | 80 |
| 34 | Humoral Immune Responses in SIV Infection of Sooty Mangabeys 2014 , 173-195 | | 1 |
| 33 | Development of broadly neutralizing antibodies from autologous neutralizing antibody responses in HIV infection. <i>Current Opinion in HIV and AIDS</i> , 2014 , 9, 210-6 | 4.2 | 63 |
| 32 | Role of HIV Glycans in Transmission and Immune Escape 2014 , 85-115 | | |
| 31 | A mechanistic understanding of allosteric immune escape pathways in the HIV-1 envelope glycoprotein. <i>PLoS Computational Biology</i> , 2013 , 9, e1003046 | 5 | 45 |
| 30 | Viral escape from neutralizing antibodies in early subtype A HIV-1 infection drives an increase in autologous neutralization breadth. <i>PLoS Pathogens</i> , 2013 , 9, e1003173 | 7.6 | 42 |

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| 29 | CD4+ T cells support production of simian immunodeficiency virus Env antibodies that enforce CD4-dependent entry and shape tropism in vivo. <i>Journal of Virology</i> , 2013 , 87, 9719-32 | 6.6 | 12 |
| 28 | Deletion of specific immune-modulatory genes from modified vaccinia virus Ankara-based HIV vaccines engenders improved immunogenicity in rhesus macaques. <i>Journal of Virology</i> , 2012 , 86, 12605-15 | 6.6 | 32 |
| 27 | Characterization of anti-HIV-1 neutralizing and binding antibodies in chronic HIV-1 subtype C infection. <i>Virology</i> , 2012 , 433, 410-20 | 3.6 | 2 |
| 26 | Timing and source of subtype-C HIV-1 superinfection in the newly infected partner of Zambian couples with disparate viruses. <i>Retrovirology</i> , 2012 , 9, 22 | 3.6 | 23 |
| 25 | HIV-1 subtype C superinfected individuals mount low autologous neutralizing antibody responses prior to intrasubtype superinfection. <i>Retrovirology</i> , 2012 , 9, 76 | 3.6 | 27 |
| 24 | B-lymphocyte dysfunction in chronic HIV-1 infection does not prevent cross-clade neutralization breadth. <i>Journal of Virology</i> , 2012 , 86, 8031-40 | 6.6 | 32 |
| 23 | Cloning and analysis of sooty mangabey alternative coreceptors that support simian immunodeficiency virus SIVsmm entry independently of CCR5. <i>Journal of Virology</i> , 2012 , 86, 898-908 | 6.6 | 28 |
| 22 | Role of donor genital tract HIV-1 diversity in the transmission bottleneck. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1156-63 | 11.5 | 88 |
| 21 | The B cell response is redundant and highly focused on V1V2 during early subtype C infection in a Zambian seroconverter. <i>Journal of Virology</i> , 2011 , 85, 905-15 | 6.6 | 53 |
| 20 | Depletion of CD4+ T cells abrogates post-peak decline of viremia in SIV-infected rhesus macaques. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4433-45 | 15.9 | 94 |
| 19 | Nonpathogenic simian immunodeficiency virus infection of sooty mangabeys is not associated with high levels of autologous neutralizing antibodies. <i>Journal of Virology</i> , 2010 , 84, 6248-53 | 6.6 | 32 |
| 18 | Donor and recipient envs from heterosexual human immunodeficiency virus subtype C transmission pairs require high receptor levels for entry. <i>Journal of Virology</i> , 2010 , 84, 4100-4 | 6.6 | 52 |
| 17 | A novel CCR5 mutation common in sooty mangabeys reveals SIVsmm infection of CCR5-null natural hosts and efficient alternative coreceptor use in vivo. <i>PLoS Pathogens</i> , 2010 , 6, e1001064 | 7.6 | 81 |
| 16 | Subtype-specific conservation of isoleucine 309 in the envelope V3 domain is linked to immune evasion in subtype C HIV-1 infection. <i>Virology</i> , 2010 , 404, 59-70 | 3.6 | 18 |
| 15 | Appreciating HIV type 1 diversity: subtype differences in Env. <i>AIDS Research and Human Retroviruses</i> , 2009 , 25, 237-48 | 1.6 | 62 |
| 14 | Inflammatory genital infections mitigate a severe genetic bottleneck in heterosexual transmission of subtype A and C HIV-1. <i>PLoS Pathogens</i> , 2009 , 5, e1000274 | 7.6 | 253 |
| 13 | Escape from autologous neutralizing antibodies in acute/early subtype C HIV-1 infection requires multiple pathways. <i>PLoS Pathogens</i> , 2009 , 5, e1000594 | 7.6 | 154 |
| 12 | Heterosexual transmission of human immunodeficiency virus type 1 subtype C: Macrophage tropism, alternative coreceptor use, and the molecular anatomy of CCR5 utilization. <i>Journal of Virology</i> , 2009 , 83, 8208-20 | 6.6 | 93 |

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| 11 | Genetic identity, biological phenotype, and evolutionary pathways of transmitted/founder viruses in acute and early HIV-1 infection. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1273-89 | 16.6 | 600 |
| 10 | Deciphering human immunodeficiency virus type 1 transmission and early envelope diversification by single-genome amplification and sequencing. <i>Journal of Virology</i> , 2008 , 82, 3952-70 | 6.6 | 487 |
| 9 | Viral characteristics of transmitted HIV. <i>Current Opinion in HIV and AIDS</i> , 2008 , 3, 16-21 | 4.2 | 34 |
| 8 | Role of V1V2 and other human immunodeficiency virus type 1 envelope domains in resistance to autologous neutralization during clade C infection. <i>Journal of Virology</i> , 2007 , 81, 1350-9 | 6.6 | 117 |
| 7 | Unique mutational patterns in the envelope alpha 2 amphipathic helix and acquisition of length in gp120 hypervariable domains are associated with resistance to autologous neutralization of subtype C human immunodeficiency virus type 1. <i>Journal of Virology</i> , 2007 , 81, 5658-68 | 6.6 | 82 |
| 6 | Clade-specific differences between human immunodeficiency virus type 1 clades B and C: diversity and correlations in C3-V4 regions of gp120. <i>Journal of Virology</i> , 2007 , 81, 4886-91 | 6.6 | 58 |
| 5 | 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> , 2006 , 80, 11776-90 | 6.6 | 311 |
| 4 | Evidence for potent autologous neutralizing antibody titers and compact envelopes in early infection with subtype C human immunodeficiency virus type 1. <i>Journal of Virology</i> , 2006 , 80, 5211-8 | 6.6 | 144 |
| 3 | Viral and host factors in the pathogenesis of HIV infection. <i>Current Opinion in Immunology</i> , 2005 , 17, 366-73 | 7.3 | 64 |
| 2 | Antigenic conservation and immunogenicity of the HIV coreceptor binding site. <i>Journal of Experimental Medicine</i> , 2005 , 201, 1407-19 | 16.6 | 264 |
| 1 | Envelope-constrained neutralization-sensitive HIV-1 after heterosexual transmission. <i>Science</i> , 2004 , 303, 2019-22 | 33.3 | 509 |