# Barbara L Shacklett

List of Publications by Year
in descending order

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|---|---|---|---|
| 96 papers | 4,831 citations | 136950 32 h-index | 98798 67 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 6132 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | HIV-Infected Individuals with Low CD4/CD8 Ratio despite Effective Antiretroviral Therapy Exhibit Altered T Cell Subsets, Heightened CD8+ T Cell Activation, and Increased Risk of Non-AIDS Morbidity and Mortality. PLoS Pathogens, 2014, 10, e1004078. | 4.7 | 495 |
| 2 | Activation, exhaustion, and persistent decline of the antimicrobial MR1-restricted MAIT-cell population in chronic HIV-1 infection. Blood, 2013, 121, 1124-1135. | 1.4 | 347 |
| 3 | Viral Suppression and Immune Restoration in the Gastrointestinal Mucosa of Human Immunodeficiency Virus Type 1-Infected Patients Initiating Therapy during Primary or Chronic Infection. Journal of Virology, 2006, 80, 8236-8247. | 3.4 | 236 |
| 4 | HLA Class I-Restricted T-Cell Responses May Contribute to the Control of Human Immunodeficiency Virus Infection, but Such Responses Are Not Always Necessary for Long-Term Virus Control. Journal of Virology, 2008, 82, 5398-5407. | 3.4 | 200 |
| 5 | Mucosal immune responses to HIV-1 in elite controllers: a potential correlate of immune control. Blood, 2009, 113, 3978-3989. | 1.4 | 198 |
| 6 | A Randomized, Controlled Trial of Raltegravir Intensification in Antiretroviral-treated, HIV-infected Patients with a Suboptimal CD4+ T Cell Response. Journal of Infectious Diseases, 2011, 203, 960-968. | 4.0 | 176 |
| 7 | Interactions of the Cytoplasmic Domains of Human and Simian Retroviral Transmembrane Proteins with Components of the Clathrin Adaptor Complexes Modulate Intracellular and Cell Surface Expression of Envelope Glycoproteins. Journal of Virology, 1999, 73, 1350-1361. | 3.4 | 173 |
| 8 | Viral Sanctuaries during Highly Active Antiretroviral Therapy in a Nonhuman Primate Model for AIDS. Journal of Virology, 2010, 84, 2913-2922. | 3.4 | 163 |
| 9 | Seroconversion Following Nonoccupational Postexposure Prophylaxis against HIV. Clinical Infectious Diseases, 2005, 41, 1507-1513. | 5.8 | 134 |
| 10 | HIV persists in CCR6+CD4+ T cells from colon and blood during antiretroviral therapy. Aids, 2017, 31, 35-48. | 2.2 | 122 |
| 11 | The immunologic effects of maraviroc intensification in treated HIV-infected individuals with incomplete CD4+ T-cell recovery: a randomized trial. Blood, 2013, 121, 4635-4646. | 1.4 | 117 |
| 12 | Regulation of gene expression directed by the long terminal repeat of the feline immunodeficiency virus. Virology, 1992, 187, 165-177. | 2.4 | 111 |
| 13 | HIV Controllers with HLA-DRB1*13 and HLA-DQB1*06 Alleles Have Strong, Polyfunctional Mucosal CD4<sup>+</sup>T-Cell Responses. Journal of Virology, 2010, 84, 11020-11029. | 3.4 | 102 |
| 14 | Increased Frequency of Regulatory T Cells Accompanies Increased Immune Activation in Rectal Mucosae of HIV-Positive Noncontrollers. Journal of Virology, 2011, 85, 11422-11434. | 3.4 | 98 |
| 15 | Optimization of methods to assess human mucosal T-cell responses to HIV infection. Journal of Immunological Methods, 2003, 279, 17-31. | 1.4 | 96 |
| 16 | Cerebrospinal Fluid (CSF) Neuronal Biomarkers across the Spectrum of HIV Infection: Hierarchy of Injury and Detection. PLoS ONE, 2014, 9, e116081. | 2.5 | 95 |
| 17 | Prospective Antiretroviral Treatment of Asymptomatic, HIV-1 Infected Controllers. PLoS Pathogens, 2013, 9, e1003691. | 4.7 | 94 |
| 18 | Multifunctional Human Immunodeficiency Virus (HIV) Gag-Specific CD8 + T-Cell Responses in Rectal Mucosa and Peripheral Blood Mononuclear Cells during Chronic HIV Type 1 Infection. Journal of Virology, 2007, 81, 5460-5471. | 3.4 | 83 |

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|---|---|---|---|
| 19 | Increased Adhesion Molecule and Chemokine Receptor Expression on CD8+T Cells Trafficking to Cerebrospinal Fluid in HIVâ€1 Infection. Journal of Infectious Diseases, 2004, 189, 2202-2212. | 4.0 | 73 |
| 20 | Trafficking of Human Immunodeficiency Virus Type 1-Specific CD8 + T Cells to Gut-Associated Lymphoid Tissue during Chronic Infection. Journal of Virology, 2003, 77, 5621-5631. | 3.4 | 71 |
| 21 | Correlates of Nontransmission in US Women at High Risk of Human Immunodeficiency Virus Type 1 Infection through Sexual Exposure. Journal of Infectious Diseases, 2002, 185, 428-438. | 4.0 | 66 |
| 22 | Enhanced ELISPOT detection of antigen-specific T cell responses from cryopreserved specimens with addition of both IL-7 and IL-15â€"the Amplispot assay. Journal of Immunological Methods, 2002, 270, 99-108. | 1.4 | 66 |
| 23 | Randomized pilot trial of a synbiotic dietary supplement in chronic HIV-1 infection. BMC Complementary and Alternative Medicine, 2012, 12, 84. | 3.7 | 63 |
| 24 | Immunodominant HIV-Specific CD8<sup>+</sup>T-Cell Responses Are Common to Blood and Gastrointestinal Mucosa, and Gag-Specific Responses Dominate in Rectal Mucosa of HIV Controllers. Journal of Virology, 2010, 84, 10354-10365. | 3.4 | 61 |
| 25 | Abundant Expression of Granzyme A, but Not Perforin, in Granules of CD8+ T Cells in GALT: Implications for Immune Control of HIV-1 Infection. Journal of Immunology, 2004, 173, 641-648. | 0.8 | 58 |
| 26 | Magnitude and Complexity of Rectal Mucosa HIV-1-Specific CD8+ T-Cell Responses during Chronic Infection Reflect Clinical Status. PLoS ONE, 2008, 3, e3577. | 2.5 | 56 |
| 27 | HIV Infection and Gut Mucosal Immune Function: Updates on Pathogenesis with Implications for Management and Intervention. Current Infectious Disease Reports, 2010, 12, 19-27. | 3.0 | 50 |
| 28 | Analysis of the VIF Gene of Feline Immunodeficiency Virus. Virology, 1994, 204, 860-867. | 2.4 | 44 |
| 29 | Quantification of HIV-1-specific T-cell responses at the mucosal cervicovaginal surface. Aids, 2000, 14, 1911-1915. | 2.2 | 43 |
| 30 | Understanding the "lucky few": The conundrum of HIV-exposed, seronegative individuals. Current HIV/AIDS Reports, 2006, 3, 26-31. | 3.1 | 40 |
| 31 | Amplification of low-frequency antiviral CD8 T cell responses using autologous dendritic cells. Aids, 2002, 16, 171-180. | 2.2 | 39 |
| 32 | Detection of HIV-1-specific gastrointestinal tissue resident CD8+ T-cells in chronic infection. Mucosal Immunology, 2018, 11, 909-920. | 6.0 | 38 |
| 33 | Dynamic MAIT cell response with progressively enhanced innateness during acute HIV-1 infection. Nature Communications, 2020, 11, 272. | 12.8 | 38 |
| 34 | The Intracytoplasmic Domain of the Env Transmembrane Protein Is a Locus for Attenuation of Simian Immunodeficiency Virus SIVmac in Rhesus Macaques. Journal of Virology, 2000, 74, 5836-5844. | 3.4 | 37 |
| 35 | Does perâ€act <scp>HIV</scp>â€1 transmission risk through anal sex vary by gender? An updated systematic review and metaâ€analysis. American Journal of Reproductive Immunology, 2018, 80, e13039. | 1.2 | 35 |
| 36 | The TLR7 agonist vesatolimod induced a modest delay in viral rebound in HIV controllers after cessation of antiretroviral therapy. Science Translational Medicine, 2021, 13, . | 12.4 | 35 |

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|---|---|---|---|
| 37 | Phenotype and Functionality of <scp>CD</scp>4<sup>+</sup> and <scp>CD</scp>8<sup>+</sup> T Cells in the Upper Reproductive Tract of Healthy Premenopausal Women. American Journal of Reproductive Immunology, 2014, 71, 95-108. | 1.2 | 34 |
| 38 | Characterization of HIV-1-Specific Cytotoxic T Lymphocytes Expressing the Mucosal Lymphocyte Integrin CD103 in Rectal and Duodenal Lymphoid Tissue of HIV-1-Infected Subjects. Virology, 2000, 270, 317-327. | 2.4 | 33 |
| 39 | Unexpected Inflammatory Effects of Intravaginal Gels (Universal Placebo Gel and Nonoxynol-9) on the Upper Female Reproductive Tract: A Randomized Crossover Study. PLoS ONE, 2015, 10, e0129769. | 2.5 | 32 |
| 40 | Importance of the Intracytoplasmic Domain of the Simian Immunodeficiency Virus (SIV) Envelope Glycoprotein for Pathogenesis. Virology, 1998, 252, 9-16. | 2.4 | 31 |
| 41 | Compartmentalization of cerebrospinal fluid inflammation across the spectrum of untreated HIV-1 infection, central nervous system injury and viral suppression. PLoS ONE, 2021, 16, e0250987. | 2.5 | 30 |
| 42 | Myeloid dendritic cells isolated from tissues of SIV-infected Rhesus macaques promote the induction of regulatory T cells. Aids, 2012, 26, 263-273. | 2.2 | 29 |
| 43 | Impact of highly active antiretroviral therapy initiation on CD4+ T-cell repopulation in duodenal and rectal mucosa. Aids, 2013, 27, 867-877. | 2.2 | 29 |
| 44 | Differential Expression of CD8+ T Cell Cytotoxic Effector Molecules in Blood and Gastrointestinal Mucosa in HIV-1 Infection. Journal of Immunology, 2018, 200, 1876-1888. | 0.8 | 28 |
| 45 | HIV-1 is rarely detected in blood and colon myeloid cells during viral-suppressive antiretroviral therapy. Aids, 2019, 33, 1293-1306. | 2.2 | 28 |
| 46 | Nineâ€color flow cytometry for accurate measurement of T cell subsets and cytokine responses. Part II: Panel performance across different instrument platforms. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2008, 73A, 411-420. | 1.5 | 25 |
| 47 | Mucosal immunity in HIV controllers: the right place at the right time. Current Opinion in HIV and AIDS, 2011, 6, 202-207. | 3.8 | 25 |
| 48 | Isolating Mucosal Lymphocytes from Biopsy Tissue for Cellular Immunology Assays. Methods in Molecular Biology, 2009, 485, 347-356. | 0.9 | 25 |
| 49 | Mucosal Tâ€cell responses to HIV: responding at the front lines. Journal of Internal Medicine, 2009, 265, 58-66. | 6.0 | 24 |
| 50 | Immune responses to HIV and SIV in mucosal tissues: â€˜location, location, locationâ€™. Current Opinion in HIV and AIDS, 2010, 5, 128-134. | 3.8 | 24 |
| 51 | Immune Responses to HIV in the Female Reproductive Tract, Immunologic Parallels with the Gastrointestinal Tract, and Research Implications. American Journal of Reproductive Immunology, 2011, 65, 230-241. | 1.2 | 22 |
| 52 | Live, Attenuated Simian Immunodeficiency Virus SIVmac-M4, with Point Mutations in the Env Transmembrane Protein Intracytoplasmic Domain, Provides Partial Protection from Mucosal Challenge with Pathogenic SIVmac251. Journal of Virology, 2002, 76, 11365-11378. | 3.4 | 21 |
| 53 | Perforin Expression in the Gastrointestinal Mucosa Is Limited to Acute Simian Immunodeficiency Virus Infection. Journal of Virology, 2006, 80, 3083-3087. | 3.4 | 21 |
| 54 | Will loss of your mucosa-associated invariant T cells weaken your HAART?. Aids, 2013, 27, 2501-2504. | 2.2 | 21 |

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|---|---|---|---|
| 55 | Dendritic Cell Amplification of HIV Type 1-Specific CD8+T Cell Responses in Exposed, Seronegative Heterosexual Women. AIDS Research and Human Retroviruses, 2002, 18, 805-815. | 1.1 | 20 |
| 56 | Can the New Humanized Mouse Model Give HIV Research a Boost?. PLoS Medicine, 2008, 5, e13. | 8.4 | 20 |
| 57 | Cell-mediated immunity to HIV in the female reproductive tract. Journal of Reproductive Immunology, 2009, 83, 190-195. | 1.9 | 20 |
| 58 | Co-immunization with IL-15 enhances cellular immune responses induced by a vif-deleted simian immunodeficiency virus proviral DNA vaccine and confers partial protection against vaginal challenge with SIVmac251. Virology, 2009, 386, 109-121. | 2.4 | 20 |
| 59 | Single-copy assay quantification of HIV-1 RNA in paired cerebrospinal fluid and plasma samples from elite controllers. Aids, 2013, 27, 1145-1149. | 2.2 | 19 |
| 60 | Effects of the levonorgestrelâ€releasing intrauterine device on the immune microenvironment of the human cervix andÂendometrium. American Journal of Reproductive Immunology, 2016, 76, 137-148. | 1.2 | 19 |
| 61 | How common and frequent is heterosexual anal intercourse among South Africans? A systematic review and metaâ€analysis. Journal of the International AIDS Society, 2017, 20, 21162. | 3.0 | 15 |
| 62 | Mucosal immunity to HIV: a review of recent literature. Current Opinion in HIV and AIDS, 2008, 3, 541-547. | 3.8 | 14 |
| 63 | Cryopreservation of human mucosal tissues. PLoS ONE, 2018, 13, e0200653. | 2.5 | 14 |
| 64 | Gag p24 Is a Marker of Human Immunodeficiency Virus Expression in Tissues and Correlates With Immune Response. Journal of Infectious Diseases, 2021, 224, 1593-1598. | 4.0 | 14 |
| 65 | Cryopreservation of Human Mucosal Leukocytes. PLoS ONE, 2016, 11, e0156293. | 2.5 | 14 |
| 66 | Poorly soluble peptides can mimic authentic ELISPOT responses. Journal of Immunological Methods, 2004, 285, 89-92. | 1.4 | 13 |
| 67 | Short Communication: HIV+ Viremic Slow Progressors Maintain Low Regulatory T Cell Numbers in Rectal Mucosa but Exhibit High T Cell Activation. AIDS Research and Human Retroviruses, 2013, 29, 172-177. | 1.1 | 13 |
| 68 | What Proportion of Female Sex Workers Practise anal Intercourse and How Frequently? A Systematic Review and Meta-analysis. AIDS and Behavior, 2020, 24, 697-713. | 2.7 | 13 |
| 69 | Mucosal Immunity in HIV/SIV Infection: T Cells, B Cells and Beyond. Current Immunology Reviews, 2019, 15, 63-75. | 1.2 | 13 |
| 70 | Increases in HIV Incidence Following Receptive Anal Intercourse Among Women: A Systematic Review and Meta-analysis. AIDS and Behavior, 2020, 24, 667-681. | 2.7 | 12 |
| 71 | Features of the SIVmac Transmembrane Glycoprotein Cytoplasmic Domain That Are Important for Env Functions. AIDS Research and Human Retroviruses, 1998, 14, 373-383. | 1.1 | 11 |
| 72 | Immune Activation and HIV-Specific CD8+ T Cells in Cerebrospinal Fluid of HIV Controllers and Noncontrollers. AIDS Research and Human Retroviruses, 2016, 32, 791-800. | 1.1 | 11 |

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|---|---|---|---|
| 73 | Receptive anal sex contributes substantially to heterosexually acquired HIV infections among atâ€risk women in twenty US cities: Results from a modelling analysis. American Journal of Reproductive Immunology, 2020, 84, e13263. | 1.2 | 11 |
| 74 | The Role of Tissue Resident Memory CD4 T Cells in Herpes Simplex Viral and HIV Infection. Viruses, 2021, 13, 359. | 3.3 | 11 |
| 75 | Tissue issues. Current Opinion in HIV and AIDS, 2019, 14, 100-107. | 3.8 | 10 |
| 76 | The Rhesus Macaque CCR3 Chemokine Receptor Is a Cell Entry Cofactor for HIV-2, but Not for HIV-1. Virology, 1998, 240, 213-220. | 2.4 | 8 |
| 77 | Isolation of Cytomegalovirus-Specific Cytotoxic T-Lymphocytes from Gut-Associated Lymphoid Tissue (GALT) of HIV Type 1-Infected Subjects. AIDS Research and Human Retroviruses, 2000, 16, 1157-1162. | 1.1 | 8 |
| 78 | Utilizing a TLR5-Adjuvanted Cytomegalovirus as a Lentiviral Vaccine in the Nonhuman Primate Model for AIDS. PLoS ONE, 2016, 11, e0155629. | 2.5 | 8 |
| 79 | Changes in Circulating B Cell Subsets Associated with Aging and Acute SIV Infection in Rhesus Macaques. PLoS ONE, 2017, 12, e0170154. | 2.5 | 8 |
| 80 | Boosting of SIV-Specific T Cell Responses in Rhesus Macaques That Resist Repeated Intravaginal Challenge with SIVmac251. AIDS Research and Human Retroviruses, 2002, 18, 1081-1088. | 1.1 | 7 |
| 81 | Effects of the levonorgestrel-containing intrauterine device, copper intrauterine device, and levonorgestrel-containing oral contraceptive on susceptibility of immune cells from cervix, endometrium and blood to HIV-1 fusion measured ex vivo. PLoS ONE, 2019, 14, e0221181. | 2.5 | 7 |
| 82 | Deciphering the Role of Mucosal Immune Responses and the Cervicovaginal Microbiome in Resistance to HIV Infection in HIV-Exposed Seronegative (HESN) Women. Microbiology Spectrum, 2021, 9, e0047021. | 3.0 | 7 |
| 83 | Detection of macaque perforin expression and release by flow cytometry, immunohistochemistry, ELISA, and ELISpot. Journal of Immunological Methods, 2006, 312, 45-53. | 1.4 | 6 |
| 84 | Vaccination of rhesus macaques with a vif-deleted simian immunodeficiency virus proviral DNA vaccine. Virology, 2008, 374, 261-272. | 2.4 | 6 |
| 85 | Defining T Cell Tissue Residency in Humans: Implications for HIV Pathogenesis and Vaccine Design. Current HIV/AIDS Reports, 2020, 17, 109-117. | 3.1 | 5 |
| 86 | Quantifying HIV-1-Specific CD8 + T-Cell Responses Using ELISPOT and Cytokine Flow Cytometry. Methods in Molecular Biology, 2009, 485, 359-374. | 0.9 | 5 |
| 87 | Multidrug-resistant, dual-tropic HIV-1 and rapid progression. Lancet, The, 2005, 365, 1924-1925. | 13.7 | 4 |
| 88 | RhCMV serostatus and vaccine adjuvant impact immunogenicity of RhCMV/SIV vaccines. Scientific Reports, 2020, 10, 14056. | 3.3 | 4 |
| 89 | Parallel studies of mucosal immunity in the reproductive and gastrointestinal mucosa of HIVâ€infected women. American Journal of Reproductive Immunology, 2020, 84, e13246. | 1.2 | 2 |
| 90 | Understanding the "lucky few": The conundrum of HIV-exposed, seronegative individuals. Current Infectious Disease Reports, 2006, 8, 248-253. | 3.0 | 0 |

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| 91 | Unexpected Inflammatory Effects of Intravaginal Gels (Universal Placebo Gel and Nonoxynol-9) on the Upper Female Reproductive Tract. AIDS Research and Human Retroviruses, 2014, 30, A238-A238. | 1.1 | 0 |
| 92 | Mucosal Immunity to HIV-1. , 2014, , 1-13. | | 0 |
| 93 | Methods for Detection of Antigen-Specific T Cells by Enzyme-Linked Immunospot Assay (ELISPOT). , 0, , 290-295. | | 0 |
| 94 | Reproductive tract immune cells from pregnant women or those using depot medroxyprogesterone acetate show no excess susceptibility to HIV-1: Results of an ex vivo fusion assay. Contraception, 2021, 103, 44-47. | 1.5 | 0 |
| 95 | T Cell Responses During Human Immunodeficiency Virus (HIV)-1 Infection. , 2012, , 141-169. | | 0 |
| 96 | Mucosal Immunity to HIV-1. , 2018, , 1382-1393. | | 0 |