

# Barbara L Shacklett

## List of Publications by Year in descending order

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96  
papers

4,831  
citations

136940

32  
h-index

98792

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. <i>PLoS Pathogens</i> , 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. <i>Blood</i> , 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. <i>Journal of Virology</i> , 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. <i>Journal of Virology</i> , 2008, 82, 5398-5407.	3.4	200
5	Mucosal immune responses to HIV-1 in elite controllers: a potential correlate of immune control. <i>Blood</i> , 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. <i>Journal of Infectious Diseases</i> , 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. <i>Journal of Virology</i> , 1999, 73, 1350-1361.	3.4	173
8	Viral Sanctuaries during Highly Active Antiretroviral Therapy in a Nonhuman Primate Model for AIDS. <i>Journal of Virology</i> , 2010, 84, 2913-2922.	3.4	163
9	Seroconversion Following Nonoccupational Postexposure Prophylaxis against HIV. <i>Clinical Infectious Diseases</i> , 2005, 41, 1507-1513.	5.8	134
10	HIV persists in CCR6+CD4+ T cells from colon and blood during antiretroviral therapy. <i>Aids</i> , 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. <i>Blood</i> , 2013, 121, 4635-4646.	1.4	117
12	Regulation of gene expression directed by the long terminal repeat of the feline immunodeficiency virus. <i>Virology</i> , 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. <i>Journal of Virology</i> , 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. <i>Journal of Virology</i> , 2011, 85, 11422-11434.	3.4	98
15	Optimization of methods to assess human mucosal T-cell responses to HIV infection. <i>Journal of Immunological Methods</i> , 2003, 279, 17-31.	1.4	96
16	Cerebrospinal Fluid (CSF) Neuronal Biomarkers across the Spectrum of HIV Infection: Hierarchy of Injury and Detection. <i>PLoS ONE</i> , 2014, 9, e116081.	2.5	95
17	Prospective Antiretroviral Treatment of Asymptomatic, HIV-1 Infected Controllers. <i>PLoS Pathogens</i> , 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. <i>Journal of Virology</i> , 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 HIV-1 Infection. <i>Journal of Infectious Diseases</i> , 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. <i>Journal of Virology</i> , 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. <i>Journal of Infectious Diseases</i> , 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-15 to the Amplispot assay. <i>Journal of Immunological Methods</i> , 2002, 270, 99-108.	1.4	66
23	Randomized pilot trial of a synbiotic dietary supplement in chronic HIV-1 infection. <i>BMC Complementary and Alternative Medicine</i> , 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. <i>Journal of Virology</i> , 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. <i>Journal of Immunology</i> , 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. <i>PLoS ONE</i> , 2008, 3, e3577.	2.5	56
27	HIV Infection and Gut Mucosal Immune Function: Updates on Pathogenesis with Implications for Management and Intervention. <i>Current Infectious Disease Reports</i> , 2010, 12, 19-27.	3.0	50
28	Analysis of the VIF Gene of Feline Immunodeficiency Virus. <i>Virology</i> , 1994, 204, 860-867.	2.4	44
29	Quantification of HIV-1-specific T-cell responses at the mucosal cervicovaginal surface. <i>Aids</i> , 2000, 14, 1911-1915.	2.2	43
30	Understanding the "lucky few": The conundrum of HIV-exposed, seronegative individuals. <i>Current HIV/AIDS Reports</i> , 2006, 3, 26-31.	3.1	40
31	Amplification of low-frequency antiviral CD8 T cell responses using autologous dendritic cells. <i>Aids</i> , 2002, 16, 171-180.	2.2	39
32	Detection of HIV-1-specific gastrointestinal tissue resident CD8+ T-cells in chronic infection. <i>Mucosal Immunology</i> , 2018, 11, 909-920.	6.0	38
33	Dynamic MAIT cell response with progressively enhanced innateness during acute HIV-1 infection. <i>Nature Communications</i> , 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. <i>Journal of Virology</i> , 2000, 74, 5836-5844.	3.4	37
35	Does per-act HIV-1 transmission risk through anal sex vary by gender? An updated systematic review and meta-analysis. <i>American Journal of Reproductive Immunology</i> , 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. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	35

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37	Phenotype and Functionality of CD <sup>4</sup> <sup>+</sup> and CD <sup>8</sup> <sup>+</sup> T Cells in the Upper Reproductive Tract of Healthy Premenopausal Women. <i>American Journal of Reproductive Immunology</i> , 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. <i>Virology</i> , 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. <i>PLoS ONE</i> , 2015, 10, e0129769.	2.5	32
40	Importance of the Intracytoplasmic Domain of the Simian Immunodeficiency Virus (SIV) Envelope Glycoprotein for Pathogenesis. <i>Virology</i> , 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. <i>PLoS ONE</i> , 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. <i>Aids</i> , 2012, 26, 263-273.	2.2	29
43	Impact of highly active antiretroviral therapy initiation on CD4 <sup>+</sup> T-cell repopulation in duodenal and rectal mucosa. <i>Aids</i> , 2013, 27, 867-877.	2.2	29
44	Differential Expression of CD8 <sup>+</sup> T Cell Cytotoxic Effector Molecules in Blood and Gastrointestinal Mucosa in HIV-1 Infection. <i>Journal of Immunology</i> , 2018, 200, 1876-1888.	0.8	28
45	HIV-1 is rarely detected in blood and colon myeloid cells during viral-suppressive antiretroviral therapy. <i>Aids</i> , 2019, 33, 1293-1306.	2.2	28
46	Nine-color flow cytometry for accurate measurement of T cell subsets and cytokine responses. Part II: Panel performance across different instrument platforms. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 411-420.	1.5	25
47	Mucosal immunity in HIV controllers: the right place at the right time. <i>Current Opinion in HIV and AIDS</i> , 2011, 6, 202-207.	3.8	25
48	Isolating Mucosal Lymphocytes from Biopsy Tissue for Cellular Immunology Assays. <i>Methods in Molecular Biology</i> , 2009, 485, 347-356.	0.9	25
49	Mucosal T cell responses to HIV: responding at the front lines. <i>Journal of Internal Medicine</i> , 2009, 265, 58-66.	6.0	24
50	Immune responses to HIV and SIV in mucosal tissues: "location, location, location". <i>Current Opinion in HIV and AIDS</i> , 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. <i>American Journal of Reproductive Immunology</i> , 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. <i>Journal of Virology</i> , 2002, 76, 11365-11378.	3.4	21
53	Perforin Expression in the Gastrointestinal Mucosa Is Limited to Acute Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2006, 80, 3083-3087.	3.4	21
54	Will loss of your mucosa-associated invariant T cells weaken your HAART?. <i>Aids</i> , 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. <i>AIDS Research and Human Retroviruses</i> , 2002, 18, 805-815.	1.1	20
56	Can the New Humanized Mouse Model Give HIV Research a Boost?. <i>PLoS Medicine</i> , 2008, 5, e13.	8.4	20
57	Cell-mediated immunity to HIV in the female reproductive tract. <i>Journal of Reproductive Immunology</i> , 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. <i>Virology</i> , 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. <i>Aids</i> , 2013, 27, 1145-1149.	2.2	19
60	Effects of the levonorgestrel-releasing intrauterine device on the immune microenvironment of the human cervix and endometrium. <i>American Journal of Reproductive Immunology</i> , 2016, 76, 137-148.	1.2	19
61	How common and frequent is heterosexual anal intercourse among South Africans? A systematic review and meta-analysis. <i>Journal of the International AIDS Society</i> , 2017, 20, 21162.	3.0	15
62	Mucosal immunity to HIV: a review of recent literature. <i>Current Opinion in HIV and AIDS</i> , 2008, 3, 541-547.	3.8	14
63	Cryopreservation of human mucosal tissues. <i>PLoS ONE</i> , 2018, 13, e0200653.	2.5	14
64	Gag p24 Is a Marker of Human Immunodeficiency Virus Expression in Tissues and Correlates With Immune Response. <i>Journal of Infectious Diseases</i> , 2021, 224, 1593-1598.	4.0	14
65	Cryopreservation of Human Mucosal Leukocytes. <i>PLoS ONE</i> , 2016, 11, e0156293.	2.5	14
66	Poorly soluble peptides can mimic authentic ELISPOT responses. <i>Journal of Immunological Methods</i> , 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. <i>AIDS Research and Human Retroviruses</i> , 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. <i>AIDS and Behavior</i> , 2020, 24, 697-713.	2.7	13
69	Mucosal Immunity in HIV/SIV Infection: T Cells, B Cells and Beyond. <i>Current Immunology Reviews</i> , 2019, 15, 63-75.	1.2	13
70	Increases in HIV Incidence Following Receptive Anal Intercourse Among Women: A Systematic Review and Meta-analysis. <i>AIDS and Behavior</i> , 2020, 24, 667-681.	2.7	12
71	Features of the SIVmac Transmembrane Glycoprotein Cytoplasmic Domain That Are Important for Env Functions. <i>AIDS Research and Human Retroviruses</i> , 1998, 14, 373-383.	1.1	11
72	Immune Activation and HIV-Specific CD8+ T Cells in Cerebrospinal Fluid of HIV Controllers and Noncontrollers. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 791-800.	1.1	11

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73	Receptive anal sex contributes substantially to heterosexually acquired HIV infections among at-risk women in twenty US cities: Results from a modelling analysis. <i>American Journal of Reproductive Immunology</i> , 2020, 84, e13263.	1.2	11
74	The Role of Tissue Resident Memory CD4 T Cells in Herpes Simplex Viral and HIV Infection. <i>Viruses</i> , 2021, 13, 359.	3.3	11
75	Tissue issues. <i>Current Opinion in HIV and AIDS</i> , 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. <i>Virology</i> , 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. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 1157-1162.	1.1	8
78	Utilizing a TLR5-Adjuvanted Cytomegalovirus as a Lentiviral Vaccine in the Nonhuman Primate Model for AIDS. <i>PLoS ONE</i> , 2016, 11, e0155629.	2.5	8
79	Changes in Circulating B Cell Subsets Associated with Aging and Acute SIV Infection in Rhesus Macaques. <i>PLoS ONE</i> , 2017, 12, e0170154.	2.5	8
80	Boosting of SIV-Specific T Cell Responses in Rhesus Macaques That Resist Repeated Intravaginal Challenge with SIVmac251. <i>AIDS Research and Human Retroviruses</i> , 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. <i>PLoS ONE</i> , 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. <i>Microbiology Spectrum</i> , 2021, 9, e0047021.	3.0	7
83	Detection of macaque perforin expression and release by flow cytometry, immunohistochemistry, ELISA, and ELISpot. <i>Journal of Immunological Methods</i> , 2006, 312, 45-53.	1.4	6
84	Vaccination of rhesus macaques with a vif-deleted simian immunodeficiency virus proviral DNA vaccine. <i>Virology</i> , 2008, 374, 261-272.	2.4	6
85	Defining T Cell Tissue Residency in Humans: Implications for HIV Pathogenesis and Vaccine Design. <i>Current HIV/AIDS Reports</i> , 2020, 17, 109-117.	3.1	5
86	Quantifying HIV-1-Specific CD8 + T-Cell Responses Using ELISPOT and Cytokine Flow Cytometry. <i>Methods in Molecular Biology</i> , 2009, 485, 359-374.	0.9	5
87	Multidrug-resistant, dual-tropic HIV-1 and rapid progression. <i>Lancet</i> , The, 2005, 365, 1924-1925.	13.7	4
88	RhCMV serostatus and vaccine adjuvant impact immunogenicity of RhCMV/SIV vaccines. <i>Scientific Reports</i> , 2020, 10, 14056.	3.3	4
89	Parallel studies of mucosal immunity in the reproductive and gastrointestinal mucosa of HIV-infected women. <i>American Journal of Reproductive Immunology</i> , 2020, 84, e13246.	1.2	2
90	Understanding the "lucky few": The conundrum of HIV-exposed, seronegative individuals. <i>Current Infectious Disease Reports</i> , 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. <i>AIDS Research and Human Retroviruses</i> , 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. <i>Contraception</i> , 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