## Jacob D Estes

List of Publications by Year in descending order

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LACOR D FETES

#	Article	IF	CITATIONS
1	Peak SIV replication in resting memory CD4+ T cells depletes gut lamina propria CD4+ T cells. Nature, 2005, 434, 1148-1152.	27.8	877
2	SARS-CoV-2 infection protects against rechallenge in rhesus macaques. Science, 2020, 369, 812-817.	12.6	789
3	Glycerol monolaurate prevents mucosal SIV transmission. Nature, 2009, 458, 1034-1038.	27.8	563
4	Immune clearance of highly pathogenic SIV infection. Nature, 2013, 502, 100-104.	27.8	548
5	B cell follicle sanctuary permits persistent productive simian immunodeficiency virus infection in elite controllers. Nature Medicine, 2015, 21, 132-139.	30.7	439
6	Type I interferon responses in rhesus macaques prevent SIV infection and slow disease progression. Nature, 2014, 511, 601-605.	27.8	422
7	Damaged Intestinal Epithelial Integrity Linked to Microbial Translocation in Pathogenic Simian Immunodeficiency Virus Infections. PLoS Pathogens, 2010, 6, e1001052.	4.7	407
8	CXCR5+ follicular cytotoxic T cells control viral infection in B cell follicles. Nature Immunology, 2016, 17, 1187-1196.	14.5	385
9	Defining total-body AIDS-virus burden with implications for curative strategies. Nature Medicine, 2017, 23, 1271-1276.	30.7	322
10	Ad26 vaccine protects against SARS-CoV-2 severe clinical disease in hamsters. Nature Medicine, 2020, 26, 1694-1700.	30.7	275
11	Zika viral dynamics and shedding in rhesus and cynomolgus macaques. Nature Medicine, 2016, 22, 1448-1455.	30.7	270
12	Cumulative mechanisms of lymphoid tissue fibrosis and T cell depletion in HIV-1 and SIV infections. Journal of Clinical Investigation, 2011, 121, 998-1008.	8.2	254
13	Large number of rebounding/founder HIV variants emerge from multifocal infection in lymphatic tissues after treatment interruption. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1126-34.	7.1	252
14	Premature Induction of an Immunosuppressive Regulatory T Cell Response during Acute Simian Immunodeficiency Virus Infection. Journal of Infectious Diseases, 2006, 193, 703-712.	4.0	229
15	Initiation of ART during Early Acute HIV Infection Preserves Mucosal Th17 Function and Reverses HIV-Related Immune Activation. PLoS Pathogens, 2014, 10, e1004543.	4.7	218
16	Defining HIV and SIV Reservoirs in Lymphoid Tissues. Pathogens and Immunity, 2016, 1, 68.	3.1	212
17	Downregulation of Robust Acute Type I Interferon Responses Distinguishes Nonpathogenic Simian Immunodeficiency Virus (SIV) Infection of Natural Hosts from Pathogenic SIV Infection of Rhesus Macaques. Journal of Virology, 2010, 84, 7886-7891.	3.4	191
18	Vascular Disease and Thrombosis in SARS-CoV-2-Infected Rhesus Macaques. Cell, 2020, 183, 1354-1366.e13.	28.9	184

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19	CD8 + Lymphocytes Are Required for Maintaining Viral Suppression in SIV-Infected Macaques Treated with Short-Term Antiretroviral Therapy. Immunity, 2016, 45, 656-668.	14.3	178
20	Envelope residue 375 substitutions in simian–human immunodeficiency viruses enhance CD4 binding and replication in rhesus macaques. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3413-22.	7.1	170
21	Early Resolution of Acute Immune Activation and Induction of PD-1 in SIV-Infected Sooty Mangabeys Distinguishes Nonpathogenic from Pathogenic Infection in Rhesus Macaques. Journal of Immunology, 2008, 180, 6798-6807.	0.8	166
22	Simian Immunodeficiency Virus–Induced Lymphatic Tissue Fibrosis Is Mediated by Transforming Growth Factor β1–Positive Regulatory T Cells and Begins in Early Infection. Journal of Infectious Diseases, 2007, 195, 551-561.	4.0	163
23	Baricitinib treatment resolves lower-airway macrophage inflammation and neutrophil recruitment in SARS-CoV-2-infected rhesus macaques. Cell, 2021, 184, 460-475.e21.	28.9	156
24	CD8+ Lymphocytes Control Viral Replication in SIVmac239-Infected Rhesus Macaques without Decreasing the Lifespan of Productively Infected Cells. PLoS Pathogens, 2010, 6, e1000747.	4.7	146
25	Robust and persistent reactivation of SIV and HIV by N-803 and depletion of CD8+ cells. Nature, 2020, 578, 154-159.	27.8	141
26	CTLA-4+PD-1â <sup>~?</sup> Memory CD4+ T Cells Critically Contribute to Viral Persistence in Antiretroviral Therapy-Suppressed, SIV-Infected Rhesus Macaques. Immunity, 2017, 47, 776-788.e5.	14.3	139
27	Follicular CD8 T cells accumulate in HIV infection and can kill infected cells in vitro via bispecific antibodies. Science Translational Medicine, 2017, 9, .	12.4	135
28	Collagen Deposition Limits Immune Reconstitution in the Gut. Journal of Infectious Diseases, 2008, 198, 456-464.	4.0	130
29	Differential infection patterns of CD4+ T cells and lymphoid tissue viral burden distinguish progressive and nonprogressive lentiviral infections. Blood, 2012, 120, 4172-4181.	1.4	122
30	CD4 Depletion in SIV-Infected Macaques Results in Macrophage and Microglia Infection with Rapid Turnover of Infected Cells. PLoS Pathogens, 2014, 10, e1004467.	4.7	109
31	Interleukin-21 combined with ART reduces inflammation and viral reservoir in SIV-infected macaques. Journal of Clinical Investigation, 2015, 125, 4497-4513.	8.2	104
32	Tissue Myeloid Cells in SIV-Infected Primates Acquire Viral DNA through Phagocytosis of Infected T Cells. Immunity, 2014, 41, 493-502.	14.3	100
33	Recommendations for measuring HIV reservoir size in cure-directed clinical trials. Nature Medicine, 2020, 26, 1339-1350.	30.7	96
34	The role of collagen deposition in depleting CD4+ T cells and limiting reconstitution in HIV-1 and SIV infections through damage to the secondary lymphoid organ niche. Seminars in Immunology, 2008, 20, 181-186.	5.6	95
35	Maintenance of Intestinal Th17 Cells and Reduced Microbial Translocation in SIV-infected Rhesus Macaques Treated with Interleukin (IL)-21. PLoS Pathogens, 2013, 9, e1003471.	4.7	93
36	Elite control of HIV is associated with distinct functional and transcriptional signatures in lymphoid tissue CD8 <sup>+</sup> T cells. Science Translational Medicine, 2019, 11, .	12.4	81

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37	Follicular dendritic cell contributions to HIV pathogenesis. Seminars in Immunology, 2002, 14, 275-284.	5.6	80
38	Identification of HIV transmitting CD11c+ human epidermal dendritic cells. Nature Communications, 2019, 10, 2759.	12.8	77
39	Genetically-barcoded SIV facilitates enumeration of rebound variants and estimation of reactivation rates in nonhuman primates following interruption of suppressive antiretroviral therapy. PLoS Pathogens, 2017, 13, e1006359.	4.7	77
40	CTLA-4 and PD-1 dual blockade induces SIV reactivation without control of rebound after antiretroviral therapy interruption. Nature Medicine, 2020, 26, 519-528.	30.7	70
41	Paucity of IL-21–producing CD4+ T cells is associated with Th17 cell depletion in SIV infection of rhesus macaques. Blood, 2012, 120, 3925-3935.	1.4	66
42	CXCR5-Dependent Entry of CD8 T Cells into Rhesus Macaque B-Cell Follicles Achieved through T-Cell Engineering. Journal of Virology, 2017, 91, .	3.4	65
43	Treatment with native heterodimeric IL-15 increases cytotoxic lymphocytes and reduces SHIV RNA in lymph nodes. PLoS Pathogens, 2018, 14, e1006902.	4.7	62
44	HIV-1-induced cytokines deplete homeostatic innate lymphoid cells and expand TCF7-dependent memory NK cells. Nature Immunology, 2020, 21, 274-286.	14.5	60
45	Experimental colitis in SIV-uninfected rhesus macaques recapitulates important features of pathogenic SIV infection. Nature Communications, 2015, 6, 8020.	12.8	58
46	Impact of early cART in the gut during acute HIV infection. JCI Insight, 2016, 1, .	5.0	56
47	Reduced Inflammation and Lymphoid Tissue Immunopathology in Rhesus Macaques Receiving Anti–Tumor Necrosis Factor Treatment During Primary Simian Immunodeficiency Virus Infection. Journal of Infectious Diseases, 2013, 207, 880-892.	4.0	54
48	Tracking the Luminal Exposure and Lymphatic Drainage Pathways of Intravaginal and Intrarectal Inocula Used in Nonhuman Primate Models of HIV Transmission. PLoS ONE, 2014, 9, e92830.	2.5	50
49	Antifibrotic Therapy in Simian Immunodeficiency Virus Infection Preserves CD4+ T-Cell Populations and Improves Immune Reconstitution With Antiretroviral Therapy. Journal of Infectious Diseases, 2015, 211, 744-754.	4.0	50
50	Simian Immunodeficiency Virus Persistence in Cellular and Anatomic Reservoirs in Antiretroviral Therapy-Suppressed Infant Rhesus Macaques. Journal of Virology, 2018, 92, .	3.4	49
51	TLR7 agonist administration to SIV-infected macaques receiving early initiated cART does not induce plasma viremia. JCI Insight, 2019, 4, .	5.0	47
52	Molecularly Tagged Simian Immunodeficiency Virus SIVmac239 Synthetic Swarm for Tracking Independent Infection Events. Journal of Virology, 2014, 88, 8077-8090.	3.4	46
53	Intestinal damage precedes mucosal immune dysfunction in SIV infection. Mucosal Immunology, 2018, 11, 1429-1440.	6.0	46
54	The human IL-15 superagonist N-803 promotes migration of virus-specific CD8+ T and NK cells to B cell follicles but does not reverse latency in ART-suppressed, SHIV-infected macaques. PLoS Pathogens, 2020, 16, e1008339.	4.7	45

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55	Combined protein and nucleic acid imaging reveals virus-dependent B cell and macrophage immunosuppression of tissue microenvironments. Immunity, 2022, 55, 1118-1134.e8.	14.3	44
56	Effect of Suberoylanilide Hydroxamic Acid (SAHA) Administration on the Residual Virus Pool in a Model of Combination Antiretroviral Therapy-Mediated Suppression in SIVmac239-Infected Indian Rhesus Macaques. Antimicrobial Agents and Chemotherapy, 2014, 58, 6790-6806.	3.2	43
57	Next-generation in situ hybridization approaches to define and quantify HIV and SIV reservoirs in tissue microenvironments. Retrovirology, 2018, 15, 4.	2.0	41
58	TGFβ restricts expansion, survival, and function of TÂcells within the tuberculous granuloma. Cell Host and Microbe, 2021, 29, 594-606.e6.	11.0	41
59	Follicular CD4 T Helper Cells As a Major HIV Reservoir Compartment: A Molecular Perspective. Frontiers in Immunology, 2018, 9, 895.	4.8	40
60	Heterogeneous antiretroviral drug distribution and HIV/SHIV detection in the gut of three species. Science Translational Medicine, 2019, 11, .	12.4	38
61	Central Nervous System Inflammation and Infection during Early, Nonaccelerated Simian-Human Immunodeficiency Virus Infection in Rhesus Macaques. Journal of Virology, 2018, 92, .	3.4	33
62	Feasibility and safety of ultrasound-guided minimally invasive autopsy in COVID-19 patients. Abdominal Radiology, 2021, 46, 1263-1271.	2.1	33
63	Eliminating HIV reservoirs for a cure: the issue is in the tissue. Current Opinion in HIV and AIDS, 2021, 16, 200-208.	3.8	33
64	Differential impact of transplantation on peripheral and tissue-associated viral reservoirs: Implications for HIV gene therapy. PLoS Pathogens, 2018, 14, e1006956.	4.7	32
65	Defining early SIV replication and dissemination dynamics following vaginal transmission. Science Advances, 2019, 5, eaav7116.	10.3	30
66	Elevated Plasma Viral Loads in Romidepsin-Treated Simian Immunodeficiency Virus-Infected Rhesus Macaques on Suppressive Combination Antiretroviral Therapy. Antimicrobial Agents and Chemotherapy, 2016, 60, 1560-1572.	3.2	29
67	Adjacent Cell Marker Lateral Spillover Compensation and Reinforcement for Multiplexed Images. Frontiers in Immunology, 2021, 12, 652631.	4.8	28
68	African green monkeys avoid SIV disease progression by preventing intestinal dysfunction and maintaining mucosal barrier integrity. PLoS Pathogens, 2020, 16, e1008333.	4.7	26
69	Hallmarks of primate lentiviral immunodeficiency infection recapitulate loss of innate lymphoid cells. Nature Communications, 2018, 9, 3967.	12.8	25
70	Telmisartan Therapy Does Not Improve Lymph Node or Adipose Tissue Fibrosis More Than Continued Antiretroviral Therapy Alone. Journal of Infectious Diseases, 2018, 217, 1770-1781.	4.0	23
71	TLR9 agonist MCN1703 enhances B cell differentiation and function in lymph nodes. EBioMedicine, 2019, 45, 328-340.	6.1	22
72	Fingolimod retains cytolytic T cells and limits T follicular helper cell infection in lymphoid sites of SIV persistence. PLoS Pathogens, 2019, 15, e1008081.	4.7	21

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73	In vitro and in vivo characterization of a recombinant rhesus cytomegalovirus containing a complete genome. PLoS Pathogens, 2020, 16, e1008666.	4.7	20
74	Derivation and Characterization of Pathogenic Transmitted/Founder Molecular Clones from Simian Immunodeficiency Virus SIVsmE660 and SIVmac251 following Mucosal Infection. Journal of Virology, 2016, 90, 8435-8453.	3.4	19
75	The role of oxidative stress in HIV-associated neurocognitive disorders. Brain, Behavior, & Immunity - Health, 2021, 13, 100235.	2.5	19
76	Disruption of latent HIV in vivo during the clearance of actinic keratosis by ingenol mebutate. JCI Insight, 2019, 4, .	5.0	18
77	CD8+ T cells fail to limit SIV reactivation following ART withdrawal until after viral amplification. Journal of Clinical Investigation, 2021, 131, .	8.2	18
78	Interleukin-10 contributes to reservoir establishment and persistence in SIV-infected macaques treated with antiretroviral therapy. Journal of Clinical Investigation, 2022, 132, .	8.2	18
79	Visualizing the Immune System: Providing Key Insights into HIV/SIV Infections. Frontiers in Immunology, 2018, 9, 423.	4.8	17
80	Imaging lymphoid tissues in nonhuman primates to understand SIV pathogenesis and persistence. Current Opinion in Virology, 2016, 19, 77-84.	5.4	16
81	Myeloid cell tropism enables MHC-E–restricted CD8 <sup>+</sup> T cell priming and vaccine efficacy by the RhCMV/SIV vaccine. Science Immunology, 2022, 7, .	11.9	16
82	Transplantation of CCR5â^†32 Homozygous Umbilical Cord Blood in a Child With Acute Lymphoblastic Leukemia and Perinatally Acquired HIV Infection. Open Forum Infectious Diseases, 2018, 5, ofy090.	0.9	15
83	Intestinal proteomic analysis of a novel non-human primate model of experimental colitis reveals signatures of mitochondrial and metabolic dysfunction. Mucosal Immunology, 2019, 12, 1327-1335.	6.0	15
84	Evaluating a New Class of AKT/mTOR Activators for HIV Latency-Reversing Activity <i>Ex Vivo</i> and <i>In Vivo</i> . Journal of Virology, 2021, 95, .	3.4	13
85	Kynurenine 3-Monooxygenase Inhibition during Acute Simian Immunodeficiency Virus Infection Lowers PD-1 Expression and Improves Post–Combination Antiretroviral Therapy CD4+ T Cell Counts and Body Weight. Journal of Immunology, 2019, 203, 899-910.	0.8	11
86	Antibody-mediated depletion of viral reservoirs is limited in SIV-infected macaques treated early with antiretroviral therapy. Journal of Clinical Investigation, 2021, 131, .	8.2	11
87	Gammaherpesvirus infection and malignant disease in rhesus macaques experimentally infected with SIV or SHIV. PLoS Pathogens, 2018, 14, e1007130.	4.7	10
88	Mitigation of endemic GI-tract pathogen-mediated inflammation through development of multimodal treatment regimen and its impact on SIV acquisition in rhesus macaques. PLoS Pathogens, 2021, 17, e1009565.	4.7	10
89	A Randomized Controlled Trial of Lisinopril to Decrease Lymphoid Fibrosis in Antiretroviral-Treated, HIV-infected Individuals. Pathogens and Immunity, 2017, 2, 310.	3.1	10
90	Application of a Scavenger Receptor A1-Targeted Polymeric Prodrug Platform for Lymphatic Drug Delivery in HIV. Molecular Pharmaceutics, 2020, 17, 3794-3812.	4.6	9

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91	Antiretroviral drug exposure in lymph nodes is heterogeneous and drug dependent. Journal of the International AIDS Society, 2022, 25, e25895.	3.0	8
92	Cytotoxic T Cell Functions Accumulate When CD4 Is Downregulated by CD4+ T Cells in African Green Monkeys. Journal of Immunology, 2017, 198, 4403-4412.	0.8	7
93	A Randomized, Placebo-Controlled Trial Assessing the Effect of VISBIOME ES Probiotic in People With HIV on Antiretroviral Therapy. Open Forum Infectious Diseases, 2021, 8, ofab550.	0.9	7
94	Quantitative Imaging Analysis of the Spatial Relationship between Antiretrovirals, Reverse Transcriptase Simian-Human Immunodeficiency Virus RNA, and Collagen in the Mesenteric Lymph Nodes of Nonhuman Primates. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	6
95	Tissue-specific transcriptional profiling of plasmacytoid dendritic cells reveals a hyperactivated state in chronic SIV infection. PLoS Pathogens, 2021, 17, e1009674.	4.7	6
96	Prolonged Posttreatment Virologic Control and Complete Seroreversion After Advanced Human Immunodeficiency Virus-1 Infection. Open Forum Infectious Diseases, 2021, 8, ofaa613.	0.9	6
97	IFN-α blockade during ART-treated SIV infection lowers tissue vDNA, rescues immune function, and improves overall health. JCI Insight, 2022, 7, .	5.0	6
98	Intranuclear Positions of HIV-1 Proviruses Are Dynamic and Do Not Correlate with Transcriptional Activity. MBio, 2022, 13, e0325621.	4.1	5
99	Rapamycin limits CD4+ T cell proliferation in simian immunodeficiency virus–infected rhesus macaques on antiretroviral therapy. Journal of Clinical Investigation, 2022, 132, .	8.2	5
100	Ad26.COV2.S prevents upregulation of SARS-CoV-2 induced pathways of inflammation and thrombosis in hamsters and rhesus macaques. PLoS Pathogens, 2022, 18, e1009990.	4.7	4
101	Next-generation Viral RNA/DNA in situ Hybridization Applications in Human Immunodeficiency Virus/Simian Immunodeficiency Virus Research. Journal of Visualized Experiments, 2020, , .	0.3	3
102	Multiparameter immunohistochemistry analysis of HIV DNA, RNA and immune checkpoints in lymph node tissue. Journal of Immunological Methods, 2021, , 113198.	1.4	2
103	Evidence of cancer therapy-induced chronic inflammation in the ovary across multiple species: A potential cause of persistent tissue damage and follicle depletion. Journal of Reproductive Immunology, 2022, 150, 103491.	1.9	2
104	Virus-Dependent Immune Conditioning of Tissue Microenvironments. SSRN Electronic Journal, 0, , .	0.4	1
105	In Situ Multiplexing to Identify, Quantify, and Phenotype the HIV-1/SIV Reservoir Within Lymphoid Tissue. Methods in Molecular Biology, 2022, 2407, 277-290.	0.9	0
106	Title is missing!. , 2020, 16, e1008666.		0
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108	Title is missing!. , 2020, 16, e1008666.		0

