Jacob D Estes

List of Publications by Year
in descending order

113	11,189	44069	31849
papers	citations	48 h-index	101 g-index

121	121	121	13527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	Intranuclear Positions of HIV-1 Proviruses Are Dynamic and Do Not Correlate with Transcriptional Activity. MBio, 2022, 13, e0325621.	4.1	5
4	IFN-Î± blockade during ART-treated SIV infection lowers tissue vDNA, rescues immune function, and improves overall health. JCI Insight, 2022, 7, .	5.0	6
5	Rapamycin limits CD4+ T cell proliferation in simian immunodeficiency virusâ€“infected rhesus macaques on antiretroviral therapy. Journal of Clinical Investigation, 2022, 132, .	8.2	5
6	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
7	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
8	Antiretroviral drug exposure in lymph nodes is heterogeneous and drug dependent. Journal of the International AIDS Society, 2022, 25, e25895.	3.0	8
9	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
10	Myeloid cell tropism enables MHC-Eâ€“restricted CD8 ⁺ T cell priming and vaccine efficacy by the RhCMV/SIV vaccine. Science Immunology, 2022, 7, .	11.9	16
11	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
12	Feasibility and safety of ultrasound-guided minimally invasive autopsy in COVID-19 patients. Abdominal Radiology, 2021, 46, 1263-1271.	2.1	33
13	Evaluating a New Class of AKT/mTOR Activators for HIV Latency-Reversing Activity Ex Vivo and In Vivo. Journal of Virology, 2021, 95, .	3.4	13
14	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
15	CD8+ T cells fail to limit SIV reactivation following ART withdrawal until after viral amplification. Journal of Clinical Investigation, 2021, 131, .	8.2	18
16	TGFÎ² restricts expansion, survival, and function of TÂcells within the tuberculous granuloma. Cell Host and Microbe, 2021, 29, 594-606.e6.	11.0	41
17	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
18	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

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19	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
20	The role of oxidative stress in HIV-associated neurocognitive disorders. Brain, Behavior, & Immunity - Health, 2021, 13, 100235.	2.5	19
21	Tissue-specific transcriptional profiling of plasmacytoid dendritic cells reveals a hyperactivated state in chronic SIV infection. PLoS Pathogens, 2021, 17, e1009674.	4.7	6
22	Adjacent Cell Marker Lateral Spillover Compensation and Reinforcement for Multiplexed Images. Frontiers in Immunology, 2021, 12, 652631.	4.8	28
23	Prolonged Posttreatment Virologic Control and Complete Seroreversion After Advanced Human Immunodeficiency Virus-1 Infection. Open Forum Infectious Diseases, 2021, 8, ofaa613.	0.9	6
24	Multiparameter immunohistochemistry analysis of HIV DNA, RNA and immune checkpoints in lymph node tissue. Journal of Immunological Methods, 2021, , 113198.	1.4	2
25	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
26	Vascular Disease and Thrombosis in SARS-CoV-2-Infected Rhesus Macaques. Cell, 2020, 183, 1354-1366.e13.	28.9	184
27	Ad26 vaccine protects against SARS-CoV-2 severe clinical disease in hamsters. Nature Medicine, 2020, 26, 1694-1700.	30.7	275
28	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
29	Recommendations for measuring HIV reservoir size in cure-directed clinical trials. Nature Medicine, 2020, 26, 1339-1350.	30.7	96
30	SARS-CoV-2 infection protects against rechallenge in rhesus macaques. Science, 2020, 369, 812-817.	12.6	789
31	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
32	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
33	African green monkeys avoid SIV disease progression by preventing intestinal dysfunction and maintaining mucosal barrier integrity. PLoS Pathogens, 2020, 16, e1008333.	4.7	26
34	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
35	Robust and persistent reactivation of SIV and HIV by N-803 and depletion of CD8+ cells. Nature, 2020, 578, 154-159.	27.8	141
36	In vitro and in vivo characterization of a recombinant rhesus cytomegalovirus containing a complete genome. PLoS Pathogens, 2020, 16, e1008666.	4.7	20

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37	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
38	Title is missing!. , 2020, 16, e1008666.		0
39	Title is missing!. , 2020, 16, e1008666.		0
40	Title is missing!. , 2020, 16, e1008666.		0
41	Title is missing!. , 2020, 16, e1008666.		0
42	Title is missing!. , 2020, 16, e1008333.		0
43	Title is missing!. , 2020, 16, e1008333.		0
44	Title is missing!. , 2020, 16, e1008333.		0
45	Title is missing!. , 2020, 16, e1008333.		0
46	TLR9 agonist MGN1703 enhances B cell differentiation and function in lymph nodes. EBioMedicine, 2019, 45, 328-340.	6.1	22
47	Kynurenine 3-Monooxygenase Inhibition during Acute Simian Immunodeficiency Virus Infection Lowers PD-1 Expression and Improves Postâ€“Combination Antiretroviral Therapy CD4+ T Cell Counts and Body Weight. Journal of Immunology, 2019, 203, 899-910.	0.8	11
48	Heterogeneous antiretroviral drug distribution and HIV/SHIV detection in the gut of three species. Science Translational Medicine, 2019, 11, .	12.4	38
49	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
50	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
51	Identification of HIV transmitting CD11c+ human epidermal dendritic cells. Nature Communications, 2019, 10, 2759.	12.8	77
52	Disruption of latent HIV in vivo during the clearance of actinic keratosis by ingenol mebutate. JCI Insight, 2019, 4, .	5.0	18
53	Defining early SIV replication and dissemination dynamics following vaginal transmission. Science Advances, 2019, 5, eaav7116.	10.3	30
54	Elite control of HIV is associated with distinct functional and transcriptional signatures in lymphoid tissue CD8 ⁺ T cells. Science Translational Medicine, 2019, 11, .	12.4	81

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55	TLR7 agonist administration to SIV-infected macaques receiving early initiated cART does not induce plasma viremia. JCI Insight, 2019, 4, .	5.0	47
56	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
57	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
58	Hallmarks of primate lentiviral immunodeficiency infection recapitulate loss of innate lymphoid cells. Nature Communications, 2018, 9, 3967.	12.8	25
59	Visualizing the Immune System: Providing Key Insights into HIV/SIV Infections. Frontiers in Immunology, 2018, 9, 423.	4.8	17
60	Follicular CD4 T Helper Cells As a Major HIV Reservoir Compartment: A Molecular Perspective. Frontiers in Immunology, 2018, 9, 895.	4.8	40
61	Simian Immunodeficiency Virus Persistence in Cellular and Anatomic Reservoirs in Antiretroviral Therapy-Suppressed Infant Rhesus Macaques. Journal of Virology, 2018, 92, .	3.4	49
62	Gammaherpesvirus infection and malignant disease in rhesus macaques experimentally infected with SIV or SHIV. PLoS Pathogens, 2018, 14, e1007130.	4.7	10
63	Next-generation in situ hybridization approaches to define and quantify HIV and SIV reservoirs in tissue microenvironments. Retrovirology, 2018, 15, 4.	2.0	41
64	Transplantation of CCR5âˆ†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
65	Intestinal damage precedes mucosal immune dysfunction in SIV infection. Mucosal Immunology, 2018, 11, 1429-1440.	6.0	46
66	Treatment with native heterodimeric IL-15 increases cytotoxic lymphocytes and reduces SHIV RNA in lymph nodes. PLoS Pathogens, 2018, 14, e1006902.	4.7	62
67	Differential impact of transplantation on peripheral and tissue-associated viral reservoirs: Implications for HIV gene therapy. PLoS Pathogens, 2018, 14, e1006956.	4.7	32
68	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
69	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
70	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
71	Defining total-body AIDS-virus burden with implications for curative strategies. Nature Medicine, 2017, 23, 1271-1276.	30.7	322
72	CTLA-4+PD-1â^' 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

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73	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
74	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
75	Impact of early cART in the gut during acute HIV infection. JCI Insight, 2016, 1, .	5.0	56
76	Zika viral dynamics and shedding in rhesus and cynomolgus macaques. Nature Medicine, 2016, 22, 1448-1455.	30.7	270
77	CXCR5+ follicular cytotoxic T cells control viral infection in B cell follicles. Nature Immunology, 2016, 17, 1187-1196.	14.5	385
78	Imaging lymphoid tissues in nonhuman primates to understand SIV pathogenesis and persistence. Current Opinion in Virology, 2016, 19, 77-84.	5.4	16
79	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
80	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
81	Envelope residue 375 substitutions in simianâ€“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
82	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
83	Defining HIV and SIV Reservoirs in Lymphoid Tissues. Pathogens and Immunity, 2016, 1, 68.	3.1	212
84	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
85	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
86	B cell follicle sanctuary permits persistent productive simian immunodeficiency virus infection in elite controllers. Nature Medicine, 2015, 21, 132-139.	30.7	439
87	Experimental colitis in SIV-uninfected rhesus macaques recapitulates important features of pathogenic SIV infection. Nature Communications, 2015, 6, 8020.	12.8	58
88	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
89	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
90	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

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91	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
92	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
93	Molecularly Tagged Simian Immunodeficiency Virus SIVmac239 Synthetic Swarm for Tracking Independent Infection Events. Journal of Virology, 2014, 88, 8077-8090.	3.4	46
94	Type I interferon responses in rhesus macaques prevent SIV infection and slow disease progression. Nature, 2014, 511, 601-605.	27.8	422
95	Tissue Myeloid Cells in SIV-Infected Primates Acquire Viral DNA through Phagocytosis of Infected T Cells. Immunity, 2014, 41, 493-502.	14.3	100
96	Immune clearance of highly pathogenic SIV infection. Nature, 2013, 502, 100-104.	27.8	548
97	Reduced Inflammation and Lymphoid Tissue Immunopathology in Rhesus Macaques Receiving Antiâ€“Tumor Necrosis Factor Treatment During Primary Simian Immunodeficiency Virus Infection. Journal of Infectious Diseases, 2013, 207, 880-892.	4.0	54
98	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
99	Paucity of IL-21â€“producing CD4+ T cells is associated with Th17 cell depletion in SIV infection of rhesus macaques. Blood, 2012, 120, 3925-3935.	1.4	66
100	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
101	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
102	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
103	Damaged Intestinal Epithelial Integrity Linked to Microbial Translocation in Pathogenic Simian Immunodeficiency Virus Infections. PLoS Pathogens, 2010, 6, e1001052.	4.7	407
104	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
105	Glycerol monolaurate prevents mucosal SIV transmission. Nature, 2009, 458, 1034-1038.	27.8	563
106	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
107	Collagen Deposition Limits Immune Reconstitution in the Gut. Journal of Infectious Diseases, 2008, 198, 456-464.	4.0	130
108	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

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109	Simian Immunodeficiency Virusâ€“Induced Lymphatic Tissue Fibrosis Is Mediated by Transforming Growth Factor Î²1â€“Positive Regulatory T Cells and Begins in Early Infection. Journal of Infectious Diseases, 2007, 195, 551-561.	4.0	163
110	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
111	Peak SIV replication in resting memory CD4+ T cells depletes gut lamina propria CD4+ T cells. Nature, 2005, 434, 1148-1152.	27.8	877
112	Follicular dendritic cell contributions to HIV pathogenesis. Seminars in Immunology, 2002, 14, 275-284.	5.6	80
113	Virus-Dependent Immune Conditioning of Tissue Microenvironments. SSRN Electronic Journal, 0, , .	0.4	1