

Jonah B Sacha

List of Publications by Year in descending order

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75
papers

4,641
citations

168829

31
h-index

120465

65
g-index

80
all docs

80
docs citations

80
times ranked

6134
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of human and simian immunodeficiency virus replication with the CCR5-specific antibody Leronlimab in two species. <i>PLoS Pathogens</i> , 2022, 18, e1010396.	2.1	9
2	Reduced Cell Surface Levels of C-C Chemokine Receptor 5 and Immunosuppression in Long Coronavirus Disease 2019 Syndrome. <i>Clinical Infectious Diseases</i> , 2022, 75, 1232-1234.	2.9	17
3	Long-term hepatitis B virus infection of rhesus macaques requires suppression of host immunity. <i>Nature Communications</i> , 2022, 13, .	5.8	11
4	Clinical Characteristics and Outcomes of Coronavirus Disease 2019 Patients Who Received Compassionate-Use Leronlimab. <i>Clinical Infectious Diseases</i> , 2021, 73, e4082-e4089.	2.9	23
5	CCR5 inhibition in critical COVID-19 patients decreases inflammatory cytokines, increases CD8 T-cells, and decreases SARS-CoV2 RNA in plasma by day 14. <i>International Journal of Infectious Diseases</i> , 2021, 103, 25-32.	1.5	105
6	Terumo spectra optia leukapheresis of cynomolgus macaques for hematopoietic stem cell and T cell collection. <i>Journal of Clinical Apheresis</i> , 2021, 36, 67-77.	0.7	3
7	Disruption of CCR5 signaling to treat COVID-19-associated cytokine storm: Case series of four critically ill patients treated with leronlimab. <i>Journal of Translational Autoimmunity</i> , 2021, 4, 100083.	2.0	38
8	HLA-E-restricted, Gag-specific CD8 ⁺ T cells can suppress HIV-1 infection, offering vaccine opportunities. <i>Science Immunology</i> , 2021, 6, .	5.6	35
9	Cytomegaloviral determinants of CD8 ⁺ T cell programming and RhCMV/SIV vaccine efficacy. <i>Science Immunology</i> , 2021, 6, .	5.6	34
10	Modulation of MHC-E transport by viral decoy ligands is required for RhCMV/SIV vaccine efficacy. <i>Science</i> , 2021, 372, .	6.0	32
11	Antibody-based CCR5 blockade protects Macaques from mucosal SHIV transmission. <i>Nature Communications</i> , 2021, 12, 3343.	5.8	15
12	Improved delivery of broadly neutralizing antibodies by nanocapsules suppresses SHIV infection in the CNS of infant rhesus macaques. <i>PLoS Pathogens</i> , 2021, 17, e1009738.	2.1	7
13	Improving rigor and reproducibility in nonhuman primate research. <i>American Journal of Primatology</i> , 2021, 83, e23331.	0.8	14
14	Genome-wide DNA methylation profiling of peripheral blood reveals an epigenetic signature associated with severe COVID-19. <i>Journal of Leukocyte Biology</i> , 2021, 110, 21-26.	1.5	82
15	CCR5 Receptor Occupancy Analysis Reveals Increased Peripheral Blood CCR5+CD4+ T Cells Following Treatment With the Anti-CCR5 Antibody Leronlimab. <i>Frontiers in Immunology</i> , 2021, 12, 794638.	2.2	13
16	Identification and Characterization of Antigen-Specific CD8 ⁺ T Cells Using Surface-Trapped TNF- α and Single-Cell Sequencing. <i>Journal of Immunology</i> , 2021, , j12100535.	0.4	2
17	Single-dose bNAb cocktail or abbreviated ART post-exposure regimens achieve tight SHIV control without adaptive immunity. <i>Nature Communications</i> , 2020, 11, 70.	5.8	37
18	Timothy Ray Brown: The Serendipitous Hero of HIV Cure Research. <i>AIDS Research and Human Retroviruses</i> , 2020, 36, 883-885.	0.5	0

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19	Rhesus Cytomegalovirus-Specific CD8+ Cytotoxic T Lymphocytes Do Not Become Functionally Exhausted in Chronic SIVmac239 Infection. <i>Frontiers in Immunology</i> , 2020, 11, 1960.	2.2	1
20	Rapid Induction of Multifunctional Antibodies in Rabbits and Macaques by Clade C HIV-1 CAP257 Envelopes Circulating During Epitope-Specific Neutralization Breadth Development. <i>Frontiers in Immunology</i> , 2020, 11, 984.	2.2	9
21	MHC-E-Restricted CD8+ T Cells Target Hepatitis B Virus-Infected Human Hepatocytes. <i>Journal of Immunology</i> , 2020, 204, 2169-2176.	0.4	17
22	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. <i>PLoS Pathogens</i> , 2020, 16, e1008339.	2.1	45
23	A neonatal nonhuman primate model of gestational Zika virus infection with evidence of microencephaly, seizures and cardiomyopathy. <i>PLoS ONE</i> , 2020, 15, e0227676.	1.1	18
24	Viral opportunistic infections in Mauritian cynomolgus macaques undergoing allogeneic stem cell transplantation mirror human transplant infectious disease complications. <i>Xenotransplantation</i> , 2020, 27, e12578.	1.6	7
25	Modified Adenovirus Prime-Protein Boost Clade C HIV Vaccine Strategy Results in Reduced Viral DNA in Blood and Tissues Following Tier 2 SHIV Challenge. <i>Frontiers in Immunology</i> , 2020, 11, 626464.	2.2	4
26	A live-attenuated RhCMV/SIV vaccine shows long-term efficacy against heterologous SIV challenge. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	80
27	Vaccine-Mediated Inhibition of the Transporter Associated with Antigen Processing Is Insufficient To Induce Major Histocompatibility Complex E-Restricted CD8 ⁺ T Cells in Nonhuman Primates. <i>Journal of Virology</i> , 2019, 93, .	1.5	5
28	Combination Adenovirus and Protein Vaccines Prevent Infection or Reduce Viral Burden after Heterologous Clade C Simian-Human Immunodeficiency Virus Mucosal Challenge. <i>Journal of Virology</i> , 2018, 92, .	1.5	24
29	The Role of MHC-E in T Cell Immunity Is Conserved among Humans, Rhesus Macaques, and Cynomolgus Macaques. <i>Journal of Immunology</i> , 2018, 200, 49-60.	0.4	54
30	The human IL-15 superagonist ALT-803 directs SIV-specific CD8+ T cells into B-cell follicles. <i>Blood Advances</i> , 2018, 2, 76-84.	2.5	78
31	Pathogen-derived HLA-E bound epitopes reveal broad primary anchor pocket tolerability and conformationally malleable peptide binding. <i>Nature Communications</i> , 2018, 9, 3137.	5.8	57
32	Allogeneic stem cell transplantation in fully MHC-matched Mauritian cynomolgus macaques recapitulates diverse human clinical outcomes. <i>Nature Communications</i> , 2017, 8, 1418.	5.8	22
33	Hepatocytic expression of human sodium-taurocholate cotransporting polypeptide enables hepatitis B virus infection of macaques. <i>Nature Communications</i> , 2017, 8, 2146.	5.8	59
34	Cross-Species Rhesus Cytomegalovirus Infection of Cynomolgus Macaques. <i>PLoS Pathogens</i> , 2016, 12, e1006014.	2.1	35
35	Microbial Translocation and Inflammation Occur in Hyperacute Immunodeficiency Virus Infection and Compromise Host Control of Virus Replication. <i>PLoS Pathogens</i> , 2016, 12, e1006048.	2.1	38
36	Strategies to target non-T-cell HIV reservoirs. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 376-382.	1.5	17

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37	Achieving Potent Autologous Neutralizing Antibody Responses against Tier 2 HIV-1 Viruses by Strategic Selection of Envelope Immunogens. <i>Journal of Immunology</i> , 2016, 196, 3064-3078.	0.4	56
38	Identification and spontaneous immune targeting of an endogenous retrovirus K envelope protein in the Indian rhesus macaque model of human disease. <i>Retrovirology</i> , 2016, 13, 6.	0.9	9
39	Acute Viral Escape Selectively Impairs Nef-Mediated Major Histocompatibility Complex Class I Downmodulation and Increases Susceptibility to Antiviral T Cells. <i>Journal of Virology</i> , 2016, 90, 2119-2126.	1.5	5
40	Broadly targeted CD8 ⁺ T cell responses restricted by major histocompatibility complex E. <i>Science</i> , 2016, 351, 714-720.	6.0	260
41	Early short-term treatment with neutralizing human monoclonal antibodies halts SHIV infection in infant macaques. <i>Nature Medicine</i> , 2016, 22, 362-368.	15.2	163
42	Comparison of the Superagonist Complex, ALT-803, to IL15 as Cancer Immunotherapeutics in Animal Models. <i>Cancer Immunology Research</i> , 2016, 4, 49-60.	1.6	176
43	TIGIT Marks Exhausted T Cells, Correlates with Disease Progression, and Serves as a Target for Immune Restoration in HIV and SIV Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005349.	2.1	271
44	Human Galectin-9 Is a Potent Mediator of HIV Transcription and Reactivation. <i>PLoS Pathogens</i> , 2016, 12, e1005677.	2.1	78
45	Natural Killer Cell Evasion Is Essential for Infection by Rhesus Cytomegalovirus. <i>PLoS Pathogens</i> , 2016, 12, e1005868.	2.1	35
46	Two-Year Follow-Up of Macaques Developing Intermittent Control of the Human Immunodeficiency Virus Homolog Simian Immunodeficiency Virus SIVmac251 in the Chronic Phase of Infection. <i>Journal of Virology</i> , 2015, 89, 7521-7535.	1.5	20
47	Cutting Edge: An Antibody Recognizing Ancestral Endogenous Virus Glycoproteins Mediates Antibody-Dependent Cellular Cytotoxicity on HIV-1-Infected Cells. <i>Journal of Immunology</i> , 2014, 193, 1544-1548.	0.4	21
48	T Cell Inactivation by Poxviral B22 Family Proteins Increases Viral Virulence. <i>PLoS Pathogens</i> , 2014, 10, e1004123.	2.1	39
49	Expansion of Dysfunctional Tim-3-Expressing Effector Memory CD8 ⁺ T Cells during Simian Immunodeficiency Virus Infection in Rhesus Macaques. <i>Journal of Immunology</i> , 2014, 193, 5576-5583.	0.4	23
50	Tertiary Mutations Stabilize CD8 ⁺ T Lymphocyte Escape-Associated Compensatory Mutations following Transmission of Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2014, 88, 3598-3604.	1.5	2
51	Technical Advance: Liposomal alendronate depletes monocytes and macrophages in the nonhuman primate model of human disease. <i>Journal of Leukocyte Biology</i> , 2014, 96, 491-501.	1.5	14
52	Vaccination against Endogenous Retrotransposable Element Consensus Sequences Does Not Protect Rhesus Macaques from SIVsmE660 Infection and Replication. <i>PLoS ONE</i> , 2014, 9, e92012.	1.1	8
53	Immune clearance of highly pathogenic SIV infection. <i>Nature</i> , 2013, 502, 100-104.	13.7	548
54	Early Antigen Presentation of Protective HIV-1 KF11Gag and KK10Gag Epitopes from Incoming Viral Particles Facilitates Rapid Recognition of Infected Cells by Specific CD8 ⁺ T Cells. <i>Journal of Virology</i> , 2013, 87, 2628-2638.	1.5	40

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55	Cytomegalovirus Vectors Violate CD8 ⁺ T Cell Epitope Recognition Paradigms. <i>Science</i> , 2013, 340, 1237874.	6.0	397
56	Neutralizing Polyclonal IgG Present during Acute Infection Prevents Rapid Disease Onset in Simian-Human Immunodeficiency Virus SHIV _{SF162P3} -Infected Infant Rhesus Macaques. <i>Journal of Virology</i> , 2013, 87, 10447-10459.	1.5	39
57	T Cells Target APOBEC3 Proteins in Human Immunodeficiency Virus Type 1-Infected Humans and Simian Immunodeficiency Virus-Infected Indian Rhesus Macaques. <i>Journal of Virology</i> , 2013, 87, 6073-6080.	1.5	6
58	The Majority of Freshly Sorted Simian Immunodeficiency Virus (SIV)-Specific CD8 ⁺ T Cells Cannot Suppress Viral Replication in SIV-Infected Macrophages. <i>Journal of Virology</i> , 2012, 86, 4682-4687.	1.5	35
59	Vaccination with Cancer- and HIV Infection-Associated Endogenous Retrotransposable Elements Is Safe and Immunogenic. <i>Journal of Immunology</i> , 2012, 189, 1467-1479.	0.4	46
60	Pyrosequencing Reveals Restricted Patterns of CD8 ⁺ T Cell Escape-Associated Compensatory Mutations in Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2011, 85, 13088-13096.	1.5	11
61	The TRIM5 α Genotype of Rhesus Macaques Affects Acquisition of Simian Immunodeficiency Virus SIVsmE660 Infection after Repeated Limiting-Dose Intrarectal Challenge. <i>Journal of Virology</i> , 2011, 85, 9637-9640.	1.5	60
62	Synchronous infection of SIV and HIV in vitro for virology, immunology and vaccine-related studies. <i>Nature Protocols</i> , 2010, 5, 239-246.	5.5	32
63	Robust, Vaccine-Induced CD8 ⁺ T Lymphocyte Response against an Out-of-Frame Epitope. <i>Journal of Immunology</i> , 2010, 184, 67-72.	0.4	21
64	Effective Simian Immunodeficiency Virus-Specific CD8 ⁺ T Cells Lack an Easily Detectable, Shared Characteristic. <i>Journal of Virology</i> , 2010, 84, 753-764.	1.5	19
65	Recombinant Yellow Fever Vaccine Virus 17D Expressing Simian Immunodeficiency Virus SIVmac239 Gag Induces SIV-Specific CD8 ⁺ T-Cell Responses in Rhesus Macaques. <i>Journal of Virology</i> , 2010, 84, 3699-3706.	1.5	49
66	Efficacious Early Antiviral Activity of HIV Gag- and Pol-Specific HLA-B*2705-Restricted CD8 ⁺ T Cells. <i>Journal of Virology</i> , 2010, 84, 10543-10557.	1.5	84
67	Simian Immunodeficiency Virus-Specific CD8 ⁺ T Cells Recognize Vpr- and Rev-Derived Epitopes Early after Infection. <i>Journal of Virology</i> , 2010, 84, 10907-10912.	1.5	20
68	Gag- and Nef-specific CD4 ⁺ T cells recognize and inhibit SIV replication in infected macrophages early after infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9791-9796.	3.3	90
69	Novel Translation Products from Simian Immunodeficiency Virus SIVmac239 Env-Encoding mRNA Contain both Rev and Cryptic T-Cell Epitopes. <i>Journal of Virology</i> , 2009, 83, 10280-10285.	1.5	10
70	Lytic Granule Loading of CD8 ⁺ T Cells Is Required for HIV-Infected Cell Elimination Associated with Immune Control. <i>Immunity</i> , 2008, 29, 1009-1021.	6.6	500
71	Differential Antigen Presentation Kinetics of CD8 ⁺ T-Cell Epitopes Derived from the Same Viral Protein. <i>Journal of Virology</i> , 2008, 82, 9293-9298.	1.5	29
72	Pol-Specific CD8 ⁺ T Cells Recognize Simian Immunodeficiency Virus-Infected Cells Prior to Nef-Mediated Major Histocompatibility Complex Class I Downregulation. <i>Journal of Virology</i> , 2007, 81, 11703-11712.	1.5	59

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73	Gag-Specific CD8+ T Lymphocytes Recognize Infected Cells before AIDS-Virus Integration and Viral Protein Expression. <i>Journal of Immunology</i> , 2007, 178, 2746-2754.	0.4	247
74	Effect of Chronic Viral Infection on Epitope Selection, Cytokine Production, and Surface Phenotype of CD8 T Cells and the Role of IFN- β Receptor in Immune Regulation. <i>Journal of Immunology</i> , 2004, 172, 1491-1500.	0.4	27
75	Reply to Viel. <i>Clinical Infectious Diseases</i> , 0, , .	2.9	0