

Christopher J Miller

List of Publications by Year in descending order

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96
papers

6,908
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66343

42
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60623

81
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100
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100
docs citations

100
times ranked

5443
citing authors

#	ARTICLE	IF	CITATIONS
1	The B.1.427/1.429 (epsilon) SARS-CoV-2 variants are more virulent than ancestral B.1 (614G) in Syrian hamsters. <i>PLoS Pathogens</i> , 2022, 18, e1009914.	4.7	26
2	SARS-CoV-2 induces robust germinal center CD4 T follicular helper cell responses in rhesus macaques. <i>Nature Communications</i> , 2021, 12, 541.	12.8	66
3	Early Embryonic Loss Following Intravaginal Zika Virus Challenge in Rhesus Macaques. <i>Frontiers in Immunology</i> , 2021, 12, 686437.	4.8	9
4	SARS-CoV-2 Infection of Rhesus Macaques Treated Early with Human COVID-19 Convalescent Plasma. <i>Microbiology Spectrum</i> , 2021, 9, e0139721.	3.0	15
5	SARS-CoV-2 surveillance for a non-human primate breeding research facility. <i>Journal of Medical Primatology</i> , 2020, 49, 322-331.	0.6	13
6	Low expression of RNA sensors impacts Zika virus infection in the lower female reproductive tract. <i>Nature Communications</i> , 2019, 10, 4344.	12.8	13
7	Acute Infection and Subsequent Subclinical Reactivation of Herpes Simplex Virus 2 after Vaginal Inoculation of Rhesus Macaques. <i>Journal of Virology</i> , 2019, 93, .	3.4	11
8	T Cells in the Female Reproductive Tract Can Both Block and Facilitate HIV Transmission. <i>Current Immunology Reviews</i> , 2019, 15, 36-40.	1.2	0
9	Feasibility and preliminary safety of nitric oxide releasing solution as a treatment for bovine mastitis. <i>Research in Veterinary Science</i> , 2018, 118, 247-253.	1.9	5
10	A Lipid/DNA Adjuvant Inactivated Influenza Virus Vaccine Protects Rhesus Macaques From Uncontrolled Virus Replication After Heterosubtypic Influenza A Virus Challenge. <i>Journal of Infectious Diseases</i> , 2018, 218, 856-867.	4.0	12
11	A Bistable Switch in Virus Dynamics Can Explain the Differences in Disease Outcome Following SIV Infections in Rhesus Macaques. <i>Frontiers in Microbiology</i> , 2018, 9, 1216.	3.5	9
12	Inhaled nitric oxide and cognition in pediatric severe malaria: A randomized double-blind placebo controlled trial. <i>PLoS ONE</i> , 2018, 13, e0191550.	2.5	20
13	Tissue Pharmacologic and Virologic Determinants of Duodenal and Rectal Gastrointestinal-Associated Lymphoid Tissue Immune Reconstitution in HIV-Infected Patients Initiating Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , 2017, 216, 813-818.	4.0	12
14	Zika virus preferentially replicates in the female reproductive tract after vaginal inoculation of rhesus macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006537.	4.7	78
15	Paradoxical myeloid-derived suppressor cell reduction in the bone marrow of SIV chronically infected macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006395.	4.7	24
16	Methemoglobin and nitric oxide therapy in Ugandan children hospitalized for febrile illness: results from a prospective cohort study and randomized double-blind placebo-controlled trial. <i>BMC Pediatrics</i> , 2016, 16, 177.	1.7	8
17	Lymphatic Dissemination of Simian Immunodeficiency Virus after Penile Inoculation. <i>Journal of Virology</i> , 2016, 90, 4093-4104.	3.4	21
18	Immunophenotype of Simian Immunodeficiency Virus-Infected Cells in the Spleen of a Rhesus Monkey. <i>AIDS Research and Human Retroviruses</i> , 2015, 31, 359-360.	1.1	3

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19	A discrete-time survival model with random effects for designing and analyzing repeated low-dose challenge experiments. <i>Biostatistics</i> , 2015, 16, 295-310.	1.5	4
20	Enhanced In Vitro Transcytosis of Simian Immunodeficiency Virus Mediated by Vaccine-Induced Antibody Predicts Transmitted/Founder Strain Number After Rectal Challenge. <i>Journal of Infectious Diseases</i> , 2015, 211, 45-52.	4.0	11
21	Infection with Host-Range Mutant Adenovirus 5 Suppresses Innate Immunity and Induces Systemic CD4+ T Cell Activation in Rhesus Macaques. <i>PLoS ONE</i> , 2014, 9, e106004.	2.5	13
22	Myxovirus Resistance Gene A (MxA) Expression Suppresses Influenza A Virus Replication in Alpha Interferon-Treated Primate Cells. <i>Journal of Virology</i> , 2013, 87, 1150-1158.	3.4	36
23	New directions for HIV vaccine development from animal models. <i>Current Opinion in HIV and AIDS</i> , 2013, 8, 376-381.	3.8	12
24	Viral RNA Levels and env Variants in Semen and Tissues of Mature Male Rhesus Macaques Infected with SIV by Penile Inoculation. <i>PLoS ONE</i> , 2013, 8, e76367.	2.5	16
25	Antiviral Antibodies and T Cells Are Present in the Foreskin of Simian Immunodeficiency Virus-Infected Rhesus Macaques. <i>Journal of Virology</i> , 2012, 86, 7098-7106.	3.4	9
26	Low-Dose Penile SIVmac251 Exposure of Rhesus Macaques Infected with Adenovirus Type 5 (Ad5) and Then Immunized with a Replication-Defective Ad5-Based SIV <i>gag/pol/nef</i> Vaccine Recapitulates the Results of the Phase IIb Step Trial of a Similar HIV-1 Vaccine. <i>Journal of Virology</i> , 2012, 86, 2239-2250.	3.4	90
27	In Captive Rhesus Macaques, Cervicovaginal Inflammation Is Common but Not Associated with the Stable Polymicrobial Microbiome. <i>PLoS ONE</i> , 2012, 7, e52992.	2.5	16
28	Alphavirus replicon-based adjuvants enhance the immunogenicity and effectiveness of Fluzone [®] in rhesus macaques. <i>Vaccine</i> , 2011, 29, 931-940.	3.8	30
29	SIVmac251 Is Inefficiently Transmitted to Rhesus Macaques by Penile Inoculation with a Single SIV <i>env</i> Variant Found in Ramp-up Phase Plasma. <i>AIDS Research and Human Retroviruses</i> , 2011, 27, 1259-1269.	1.1	42
30	Memory B Cells and CD8+ Lymphocytes Do Not Control Seasonal Influenza A Virus Replication after Homologous Re-Challenge of Rhesus Macaques. <i>PLoS ONE</i> , 2011, 6, e21756.	2.5	8
31	Exogenous IFN-alpha Administration Reduces Influenza A Virus Replication in the Lower Respiratory Tract of Rhesus Macaques. <i>PLoS ONE</i> , 2011, 6, e29255.	2.5	22
32	Use of Nonhuman Primate Models to Develop Mucosal AIDS Vaccines. <i>Current HIV/AIDS Reports</i> , 2010, 7, 19-27.	3.1	16
33	Viral Dynamics during Primary Simian Immunodeficiency Virus Infection: Effect of Time-Dependent Virus Infectivity. <i>Journal of Virology</i> , 2010, 84, 4302-4310.	3.4	48
34	Damaged Intestinal Epithelial Integrity Linked to Microbial Translocation in Pathogenic Simian Immunodeficiency Virus Infections. <i>PLoS Pathogens</i> , 2010, 6, e1001052.	4.7	407
35	A Limited Number of Simian Immunodeficiency Virus (SIV) <i>env</i> Variants Are Transmitted to Rhesus Macaques Vaginally Inoculated with SIVmac251. <i>Journal of Virology</i> , 2010, 84, 7083-7095.	3.4	102
36	Depo-Provera [®] Treatment Does Not Abrogate Protection from Intravenous SIV Challenge in Female Macaques Immunized with an Attenuated AIDS Virus. <i>PLoS ONE</i> , 2010, 5, e9814.	2.5	10

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37	Localized Populations of CD8 ^{low} /MHC Class I Tetramer ⁺ SIV-Specific T Cells in Lymphoid Follicles and Genital Epithelium. <i>PLoS ONE</i> , 2009, 4, e4131.	2.5	13
38	Visualizing Antigen-Specific and Infected Cells in Situ Predicts Outcomes in Early Viral Infection. <i>Science</i> , 2009, 323, 1726-1729.	12.6	176
39	TSLP production by epithelial cells exposed to immunodeficiency virus triggers DC-mediated mucosal infection of CD4 ⁺ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16776-16781.	7.1	49
40	High Specific Infectivity of Plasma Virus from the Pre-Ramp-Up and Ramp-Up Stages of Acute Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2009, 83, 3288-3297.	3.4	95
41	Limited dissemination of pathogenic SIV after vaginal challenge of rhesus monkeys immunized with a live, attenuated lentivirus. <i>Virology</i> , 2009, 392, 260-270.	2.4	25
42	Differential pathogenicity of SHIV _{SF162 P4} infection in pig-tailed and rhesus macaques. <i>Journal of Medical Primatology</i> , 2008, 37, 13-23.	0.6	28
43	Interferon-Induced Expression of MxA in the Respiratory Tract of Rhesus Macaques Is Suppressed by Influenza Virus Replication. <i>Journal of Immunology</i> , 2008, 180, 2385-2395.	0.8	25
44	Immune Activation Driven by CTLA-4 Blockade Augments Viral Replication at Mucosal Sites in Simian Immunodeficiency Virus Infection. <i>Journal of Immunology</i> , 2008, 180, 5439-5447.	0.8	115
45	The Use of Nonhuman Primate Models in HIV Vaccine Development. <i>PLoS Medicine</i> , 2008, 5, e173.	8.4	87
46	With Minimal Systemic T-Cell Expansion, CD8 ⁺ T Cells Mediate Protection of Rhesus Macaques Immunized with Attenuated Simian-Human Immunodeficiency Virus SHIV89.6 from Vaginal Challenge with Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2008, 82, 11181-11196.	3.4	53
47	Antiviral Antibodies Are Necessary for Control of Simian Immunodeficiency Virus Replication. <i>Journal of Virology</i> , 2007, 81, 5024-5035.	3.4	73
48	Developing a neonatal HIV vaccine: insights from macaque models of pediatric HIV/AIDS. <i>Current Opinion in HIV and AIDS</i> , 2007, 2, 367-374.	3.8	11
49	HIV transmission: Migratory Langerhans cells are primary targets in vaginal HIV transmission. <i>Immunology and Cell Biology</i> , 2007, 85, 269-270.	2.3	5
50	Depo-Provera abrogates attenuated lentivirus-induced protection in male rhesus macaques challenged intravenously with pathogenic SIV _{mac239} . <i>Journal of Medical Primatology</i> , 2007, 36, 266-275.	0.6	25
51	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
52	Peak SIV replication in resting memory CD4 ⁺ T cells depletes gut lamina propria CD4 ⁺ T cells. <i>Nature</i> , 2005, 434, 1148-1152.	27.8	877
53	Immune mechanisms associated with protection from vaginal SIV challenge in rhesus monkeys infected with virulence-attenuated SHIV 89.6. <i>Journal of Medical Primatology</i> , 2005, 34, 271-281.	0.6	13
54	Propagation and Dissemination of Infection after Vaginal Transmission of Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2005, 79, 9217-9227.	3.4	397

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55	Deoxycytidyl-Deoxyguanosine Oligonucleotide Classes A, B, and C Induce Distinct Cytokine Gene Expression Patterns in Rhesus Monkey Peripheral Blood Mononuclear Cells and Distinct Alpha Interferon Responses in TLR9-Expressing Rhesus Monkey Plasmacytoid Dendritic Cells. <i>Vaccine Journal</i> , 2005, 12, 606-621.	3.1	51
56	CD8 + T-Lymphocyte Response to Major Immunodominant Epitopes after Vaginal Exposure to Simian Immunodeficiency Virus: Too Late and Too Little. <i>Journal of Virology</i> , 2005, 79, 9228-9235.	3.4	153
57	Temporal and Anatomic Relationship between Virus Replication and Cytokine Gene Expression after Vaginal Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2005, 79, 12164-12172.	3.4	117
58	Characterization of Virus-Responsive Plasmacytoid Dendritic Cells in the Rhesus Macaque. <i>Vaccine Journal</i> , 2005, 12, 426-435.	3.1	35
59	The Toll-Like Receptor 7 (TLR7) Agonist, Imiquimod, and the TLR9 Agonist, CpG ODN, Induce Antiviral Cytokines and Chemokines but Do Not Prevent Vaginal Transmission of Simian Immunodeficiency Virus When Applied Intravaginally to Rhesus Macaques. <i>Journal of Virology</i> , 2005, 79, 14355-14370.	3.4	126
60	Efficacy of a SHIV 89.6 proviral DNA vaccine against mucosal SIVmac239 challenge. <i>Vaccine</i> , 2005, 23, 4036-4047.	3.8	13
61	Mucosal Immunity and Vaccines Against Simian Immunodeficiency Virus and Human Immunodeficiency Virus. , 2005, , 937-957.		1
62	A Period of Transient Viremia and Occult Infection Precedes Persistent Viremia and Antiviral Immune Responses during Multiple Low-Dose Intravaginal Simian Immunodeficiency Virus Inoculations. <i>Journal of Virology</i> , 2004, 78, 14048-14052.	3.4	54
63	Use of a Replication-Defective Vector to Track Cells Initially Infected by SIVin Vivo: Infected Mononuclear Cells Rapidly Appear in the Draining Lymph Node after Intradermal Inoculation of Rhesus Monkeys. <i>AIDS Research and Human Retroviruses</i> , 2004, 20, 1298-1305.	1.1	7
64	Abrogation of Attenuated Lentivirus-Induced Protection in Rhesus Macaques by Administration of Depo-Provera before Intravaginal Challenge with Simian Immunodeficiency Virus mac239. <i>Journal of Infectious Diseases</i> , 2004, 190, 1697-1705.	4.0	54
65	A Novel Adjuvant for Mucosal Immunity to HIV-1 gp120 in Nonhuman Primates. <i>Journal of Immunology</i> , 2004, 173, 6850-6857.	0.8	36
66	Gamma Interferon-Mediated Inflammation Is Associated with Lack of Protection from Intravaginal Simian Immunodeficiency Virus SIVmac239 Challenge in Simian-Human Immunodeficiency Virus 89.6-Immunized Rhesus Macaques. <i>Journal of Virology</i> , 2004, 78, 841-854.	3.4	49
67	Detection of antigen-specific T cell interferon γ expression by ELISPOT and cytokine flow cytometry assays in rhesus macaques. <i>Journal of Immunological Methods</i> , 2003, 282, 103-115.	1.4	57
68	Comparison of virology and immunology in SHIV 89.6 proviral DNA and virus-inoculated rhesus macaques. <i>Journal of Medical Primatology</i> , 2003, 32, 240-246.	0.6	4
69	Target cells in vaginal HIV transmission. <i>Microbes and Infection</i> , 2003, 5, 59-67.	1.9	214
70	Effects of Ovarian Steroids on Immunoglobulin-Secreting Cell Function in Healthy Women. <i>Vaccine Journal</i> , 2003, 10, 944-949.	3.1	19
71	Simian-Human Immunodeficiency Virus SHIV89.6-Induced Protection against Intravaginal Challenge with Pathogenic SIVmac239 Is Independent of the Route of Immunization and Is Associated with a Combination of Cytotoxic T-Lymphocyte and Alpha Interferon Responses. <i>Journal of Virology</i> , 2003, 77, 3099-3118.	3.4	101
72	ANTI-HIV AND -SIV IMMUNITY IN THE VAGINA. <i>International Reviews of Immunology</i> , 2003, 22, 65-76.	3.3	24

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73	The Relationship between Simian Immunodeficiency Virus RNA Levels and the mRNA Levels of Alpha/Beta Interferons (IFN- α / β) and IFN- α / β -Inducible Mx in Lymphoid Tissues of Rhesus Macaques during Acute and Chronic Infection. <i>Journal of Virology</i> , 2002, 76, 8433-8445.	3.4	90
74	The Number and Distribution of Immune Cells in the Cervicovaginal Mucosa Remain Constant throughout the Menstrual Cycle of Rhesus Macaques. <i>Clinical Immunology</i> , 2001, 100, 240-249.	3.2	67
75	ANATOMIC SITE AND IMMUNE FUNCTION CORRELATE WITH RELATIVE CYTOKINE mRNA EXPRESSION LEVELS IN LYMPHOID TISSUES OF NORMAL RHESUS MACAQUES. <i>Cytokine</i> , 2001, 16, 191-204.	3.2	35
76	Titration of an SIVmac251 Stock by Vaginal Inoculation of Indian and Chinese Origin Rhesus Macaques: Transmission Efficiency, Viral Loads, and Antibody Responses. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 1455-1466.	1.1	96
77	Route of Simian Immunodeficiency Virus Inoculation Determines the Complexity but Not the Identity of Viral Variant Populations That Infect Rhesus Macaques. <i>Journal of Virology</i> , 2001, 75, 3753-3765.	3.4	64
78	Effect of a Cellulose Acetate Phthalate Topical Cream on Vaginal Transmission of Simian Immunodeficiency Virus in Rhesus Monkeys. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 3199-3202.	3.2	64
79	Simian Immunodeficiency Virus Rapidly Penetrates the Cervicovaginal Mucosa after Intravaginal Inoculation and Infects Intraepithelial Dendritic Cells. <i>Journal of Virology</i> , 2000, 74, 6087-6095.	3.4	491
80	Effect of 3-Hydroxyphthaloyl- β -Lactoglobulin on Vaginal Transmission of Simian Immunodeficiency Virus in Rhesus Monkeys. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 978-980.	3.2	23
81	Localization of Simian immunodeficiency virus-infected cells in the genital tract of male and female Rhesus macaques. <i>Journal of Reproductive Immunology</i> , 1998, 41, 331-339.	1.9	50
82	Induction of Th2 Cytokine Expression for p27 α -Specific IgA B Cell Responses after Targeted Lymph Node Immunization with Simian Immunodeficiency Virus Antigens in Rhesus Macaques. <i>Journal of Infectious Diseases</i> , 1998, 177, 26-33.	4.0	29
83	Targeted lymph-node immunization with whole inactivated simian immunodeficiency virus (SIV) or envelope and core subunit antigen vaccines does not reliably protect rhesus macaques from vaginal challenge with SIVmac251. <i>Aids</i> , 1998, 12, 1-10.	2.2	132
84	In Vivo Replication Capacity Rather Than In Vitro Macrophage Tropism Predicts Efficiency of Vaginal Transmission of Simian Immunodeficiency Virus or Simian/Human Immunodeficiency Virus in Rhesus Macaques. <i>Journal of Virology</i> , 1998, 72, 3248-3258.	3.4	62
85	Occult Systemic Infection and Persistent Simian Immunodeficiency Virus (SIV)-Specific CD4 ⁺ -T-Cell Proliferative Responses in Rhesus Macaques That Were Transiently Viremic after Intravaginal Inoculation of SIV. <i>Journal of Virology</i> , 1998, 72, 10029-10035.	3.4	84
86	Experimental Measles. I. Pathogenesis in the Normal and the Immunized Host. <i>Virology</i> , 1997, 233, 74-84.	2.4	143
87	Rhesus macaques previously infected with simian/human immunodeficiency virus are protected from vaginal challenge with pathogenic SIVmac239. <i>Journal of Virology</i> , 1997, 71, 1911-1921.	3.4	144
88	Mucosal immune responses to SIV infection. <i>Seminars in Virology</i> , 1996, 7, 139-145.	3.9	9
89	Concentration of IgG in the sera of normal rhesus macaques as determined by a species-specific radial immunodiffusion assay. <i>Journal of Immunological Methods</i> , 1996, 197, 193-196.	1.4	17
90	Progesterone implants enhance SIV vaginal transmission and early virus load. <i>Nature Medicine</i> , 1996, 2, 1084-1089.	30.7	513

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91	Virus-Induced Immunosuppression Is Linked to Rapidly Fatal Disease in Infant Rhesus Macaques Infected with Simian Immunodeficiency Virus. <i>Pediatric Research</i> , 1996, 39, 630-635.	2.3	26
92	Review: Animal Models of Viral Sexually Transmitted Diseases. <i>American Journal of Reproductive Immunology</i> , 1994, 31, 52-63.	1.2	21
93	The effect of contraceptives containing nonoxynol-9 on the genital transmission of simian immunodeficiency virus in rhesus macaques. <i>Fertility and Sterility</i> , 1992, 57, 1126-1128.	1.0	66
94	Mechanism of genital transmission of SIV: A hypothesis based on transmission studies and the location of SIV in the genital tract of chronically infected female rhesus macaques. <i>Journal of Medical Primatology</i> , 1992, 21, 64-68.	0.6	105
95	Efficacy of live-attenuated and whole-inactivated simian immunodeficiency virus vaccines against vaginal challenge with virulent SIV. <i>Journal of Medical Primatology</i> , 1992, 21, 99-107.	0.6	51
96	Effect of Virus Dose and Nonoxynol-9 on the Genital Transmission of SIV in Rhesus Macaques. <i>Journal of Medical Primatology</i> , 1990, 19, 401-409.	0.6	69