Christopher J Miller

List of Publications by Year
in descending order

96 papers	6,908 citations	66343 42 h-index	60623 81 g-index
100 all docs	100 docs citations	100 times ranked	5443 citing authors

#	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	Progesterone implants enhance SIV vaginal transmission and early virus load. Nature Medicine, 1996, 2, 1084-1089.	30.7	513
3	Simian Immunodeficiency Virus Rapidly Penetrates the Cervicovaginal Mucosa after Intravaginal Inoculation and Infects Intraepithelial Dendritic Cells. Journal of Virology, 2000, 74, 6087-6095.	3.4	491
4	Damaged Intestinal Epithelial Integrity Linked to Microbial Translocation in Pathogenic Simian Immunodeficiency Virus Infections. PLoS Pathogens, 2010, 6, e1001052.	4.7	407
5	Propagation and Dissemination of Infection after Vaginal Transmission of Simian Immunodeficiency Virus. Journal of Virology, 2005, 79, 9217-9227.	3.4	397
6	Target cells in vaginal HIV transmission. Microbes and Infection, 2003, 5, 59-67.	1.9	214
7	Visualizing Antigen-Specific and Infected Cells in Situ Predicts Outcomes in Early Viral Infection. Science, 2009, 323, 1726-1729.	12.6	176
8	CD8 + T-Lymphocyte Response to Major Immunodominant Epitopes after Vaginal Exposure to Simian Immunodeficiency Virus: Too Late and Too Little. Journal of Virology, 2005, 79, 9228-9235.	3.4	153
9	Rhesus macaques previously infected with simian/human immunodeficiency virus are protected from vaginal challenge with pathogenic SIVmac239. Journal of Virology, 1997, 71, 1911-1921.	3.4	144
10	Experimental Measles. I. Pathogenesis in the Normal and the Immunized Host. Virology, 1997, 233, 74-84.	2.4	143
11	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. Aids, 1998, 12, 1-10.	2.2	132
12	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. Journal of Virology, 2005, 79, 14355-14370.	3.4	126
13	Temporal and Anatomic Relationship between Virus Replication and Cytokine Gene Expression after Vaginal Simian Immunodeficiency Virus Infection. Journal of Virology, 2005, 79, 12164-12172.	3.4	117
14	Immune Activation Driven by CTLA-4 Blockade Augments Viral Replication at Mucosal Sites in Simian Immunodeficiency Virus Infection. Journal of Immunology, 2008, 180, 5439-5447.	0.8	115
15	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. Journal of Medical Primatology, 1992, 21, 64-68.	0.6	105
16	A Limited Number of Simian Immunodeficiency Virus (SIV) env Variants Are Transmitted to Rhesus Macaques Vaginally Inoculated with SIVmac251. Journal of Virology, 2010, 84, 7083-7095.	3.4	102
17	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. Journal of Virology, 2003, 77, 3099-3118.	3.4	101
18	Titration of an SIVmac251 Stock by Vaginal Inoculation of Indian and Chinese Origin Rhesus Macaques: Transmission Efficiency, Viral Loads, and Antibody Responses. AIDS Research and Human Retroviruses, 2001, 17, 1455-1466.	1.1	96

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19	High Specific Infectivity of Plasma Virus from the Pre-Ramp-Up and Ramp-Up Stages of Acute Simian Immunodeficiency Virus Infection. Journal of Virology, 2009, 83, 3288-3297.	3.4	95
20	The Relationship between Simian Immunodeficiency Virus RNA Levels and the mRNA Levels of Alpha/Beta Interferons (IFN-Î±/Î²) and IFN-Î±/Î²-Inducible Mx in Lymphoid Tissues of Rhesus Macaques during Acute and Chronic Infection. Journal of Virology, 2002, 76, 8433-8445.	3.4	90
21	Low-Dose Penile SIVmac251 Exposure of Rhesus Macaques Infected with Adenovirus Type 5 (Ad5) and Then Immunized with a Replication-Defective Ad5-Based SIV gag/pol/nef Vaccine Recapitulates the Results of the Phase IIb Step Trial of a Similar HIV-1 Vaccine. Journal of Virology, 2012, 86, 2239-2250.	3.4	90
22	The Use of Nonhuman Primate Models in HIV Vaccine Development. PLoS Medicine, 2008, 5, e173.	8.4	87
23	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. Journal of Virology, 1998, 72, 10029-10035.	3.4	84
24	Zika virus preferentially replicates in the female reproductive tract after vaginal inoculation of rhesus macaques. PLoS Pathogens, 2017, 13, e1006537.	4.7	78
25	Antiviral Antibodies Are Necessary for Control of Simian Immunodeficiency Virus Replication. Journal of Virology, 2007, 81, 5024-5035.	3.4	73
26	Effect of Virus Dose and Nonoxynolâ€9 on the Genital Transmission of SIV in Rhesus Macaques. Journal of Medical Primatology, 1990, 19, 401-409.	0.6	69
27	The Number and Distribution of Immune Cells in the Cervicovaginal Mucosa Remain Constant throughout the Menstrual Cycle of Rhesus Macaques. Clinical Immunology, 2001, 100, 240-249.	3.2	67
28	The effect of contraceptives containing nonoxynol-9 on the genital transmission of simian immunodeficiency virus in rhesus macaques. Fertility and Sterility, 1992, 57, 1126-1128.	1.0	66
29	SARS-CoV-2 induces robust germinal center CD4 T follicular helper cell responses in rhesus macaques. Nature Communications, 2021, 12, 541.	12.8	66
30	Effect of a Cellulose Acetate Phthalate Topical Cream on Vaginal Transmission of Simian Immunodeficiency Virus in Rhesus Monkeys. Antimicrobial Agents and Chemotherapy, 2000, 44, 3199-3202.	3.2	64
31	Route of Simian Immunodeficiency Virus Inoculation Determines the Complexity but Not the Identity of Viral Variant Populations That Infect Rhesus Macaques. Journal of Virology, 2001, 75, 3753-3765.	3.4	64
32	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. Journal of Virology, 1998, 72, 3248-3258.	3.4	62
33	Detection of antigen-specific T cell interferon Î³ expression by ELISPOT and cytokine flow cytometry assays in rhesus macaques. Journal of Immunological Methods, 2003, 282, 103-115.	1.4	57
34	A Period of Transient Viremia and Occult Infection Precedes Persistent Viremia and Antiviral Immune Responses during Multiple Low-Dose Intravaginal Simian Immunodeficiency Virus Inoculations. Journal of Virology, 2004, 78, 14048-14052.	3.4	54
35	Abrogation of Attenuated Lentivirusâ€Induced Protection in Rhesus Macaques by Administration of Depoâ€Provera before Intravaginal Challenge with Simian Immunodeficiency Virus mac239. Journal of Infectious Diseases, 2004, 190, 1697-1705.	4.0	54
36	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. Journal of Virology, 2008, 82, 11181-11196.	3.4	53

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37	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. Vaccine Journal, 2005, 12, 606-621.	3.1	51
38	Efficacy of liveâ€attenuated and wholeâ€inactivated simian immunodeficiency virus vaccines against vaginal challenge with virulent SIV. Journal of Medical Primatology, 1992, 21, 99-107.	0.6	51
39	Localization of Simian immunodeficiency virus-infected cells in the genital tract of male and female Rhesus macaques. Journal of Reproductive Immunology, 1998, 41, 331-339.	1.9	50
40	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. Journal of Virology, 2004, 78, 841-854.	3.4	49
41	TSLP production by epithelial cells exposed to immunodeficiency virus triggers DC-mediated mucosal infection of CD4+ T cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16776-16781.	7.1	49
42	Viral Dynamics during Primary Simian Immunodeficiency Virus Infection: Effect of Time-Dependent Virus Infectivity. Journal of Virology, 2010, 84, 4302-4310.	3.4	48
43	SIVmac251 Is Inefficiently Transmitted to Rhesus Macaques by Penile Inoculation with a Single SIVenvVariant Found in Ramp-up Phase Plasma. AIDS Research and Human Retroviruses, 2011, 27, 1259-1269.	1.1	42
44	A Novel Adjuvant for Mucosal Immunity to HIV-1 gp120 in Nonhuman Primates. Journal of Immunology, 2004, 173, 6850-6857.	0.8	36
45	Myxovirus Resistance Gene A (MxA) Expression Suppresses Influenza A Virus Replication in Alpha Interferon-Treated Primate Cells. Journal of Virology, 2013, 87, 1150-1158.	3.4	36
46	ANATOMIC SITE AND IMMUNE FUNCTION CORRELATE WITH RELATIVE CYTOKINE mRNA EXPRESSION LEVELS IN LYMPHOID TISSUES OF NORMAL RHESUS MACAQUES. Cytokine, 2001, 16, 191-204.	3.2	35
47	Characterization of Virus-Responsive Plasmacytoid Dendritic Cells in the Rhesus Macaque. Vaccine Journal, 2005, 12, 426-435.	3.1	35
48	Alphavirus replicon-based adjuvants enhance the immunogenicity and effectiveness of FluzoneÂ® in rhesus macaques. Vaccine, 2011, 29, 931-940.	3.8	30
49	Induction of Th2 Cytokine Expression for p27â€Specific IgA B Cell Responses after Targeted Lymph Node Immunization with Simian Immunodeficiency Virus Antigens in Rhesus Macaques. Journal of Infectious Diseases, 1998, 177, 26-33.	4.0	29
50	Differential pathogenicity of SHIV_{SF162 P4} infection in pigâ€tailed and rhesus macaques. Journal of Medical Primatology, 2008, 37, 13-23.	0.6	28
51	Virus-Induced Immunosuppression Is Linked to Rapidly Fatal Disease in Infant Rhesus Macaques Infected with Simian Immunodeficiency Virus. Pediatric Research, 1996, 39, 630-635.	2.3	26
52	The B.1.427/1.429 (epsilon) SARS-CoV-2 variants are more virulent than ancestral B.1 (614G) in Syrian hamsters. PLoS Pathogens, 2022, 18, e1009914.	4.7	26
53	Depo-Provera abrogates attenuated lentivirus-induced protection in male rhesus macaques challenged intravenously with pathogenic SIVmac239. Journal of Medical Primatology, 2007, 36, 266-275.	0.6	25
54	Interferon-Induced Expression of MxA in the Respiratory Tract of Rhesus Macaques Is Suppressed by Influenza Virus Replication. Journal of Immunology, 2008, 180, 2385-2395.	0.8	25

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55	Limited dissemination of pathogenic SIV after vaginal challenge of rhesus monkeys immunized with a live, attenuated lentivirus. Virology, 2009, 392, 260-270.	2.4	25
56	ANTI-HIV AND -SIV IMMUNITY IN THE VAGINA. International Reviews of Immunology, 2003, 22, 65-76.	3.3	24
57	Paradoxical myeloid-derived suppressor cell reduction in the bone marrow of SIV chronically infected macaques. PLoS Pathogens, 2017, 13, e1006395.	4.7	24
58	Effect of 3-Hydroxyphthaloyl-Î²-Lactoglobulin on Vaginal Transmission of Simian Immunodeficiency Virus in Rhesus Monkeys. Antimicrobial Agents and Chemotherapy, 1999, 43, 978-980.	3.2	23
59	Exogenous IFN-alpha Administration Reduces Influenza A Virus Replication in the Lower Respiratory Tract of Rhesus Macaques. PLoS ONE, 2011, 6, e29255.	2.5	22
60	Review: Animal Models of Viral Sexually Transmitted Diseases. American Journal of Reproductive Immunology, 1994, 31, 52-63.	1.2	21
61	Perforin Expression in the Gastrointestinal Mucosa Is Limited to Acute Simian Immunodeficiency Virus Infection. Journal of Virology, 2006, 80, 3083-3087.	3.4	21
62	Lymphatic Dissemination of Simian Immunodeficiency Virus after Penile Inoculation. Journal of Virology, 2016, 90, 4093-4104.	3.4	21
63	Inhaled nitric oxide and cognition in pediatric severe malaria: A randomized double-blind placebo controlled trial. PLoS ONE, 2018, 13, e0191550.	2.5	20
64	Effects of Ovarian Steroids on Immunoglobulin-Secreting Cell Function in Healthy Women. Vaccine Journal, 2003, 10, 944-949.	3.1	19
65	Concentration of IgG in the sera of normal rhesus macaques as determined by a species-specific radial immunodiffusion assay. Journal of Immunological Methods, 1996, 197, 193-196.	1.4	17
66	Use of Nonhuman Primate Models to Develop Mucosal AIDS Vaccines. Current HIV/AIDS Reports, 2010, 7, 19-27.	3.1	16
67	Viral RNA Levels and env Variants in Semen and Tissues of Mature Male Rhesus Macaques Infected with SIV by Penile Inoculation. PLoS ONE, 2013, 8, e76367.	2.5	16
68	In Captive Rhesus Macaques, Cervicovaginal Inflammation Is Common but Not Associated with the Stable Polymicrobial Microbiome. PLoS ONE, 2012, 7, e52992.	2.5	16
69	SARS-CoV-2 Infection of Rhesus Macaques Treated Early with Human COVID-19 Convalescent Plasma. Microbiology Spectrum, 2021, 9, e0139721.	3.0	15
70	Immune mechanisms associated with protection from vaginal SIV challenge in rhesus monkeys infected with virulence-attenuated SHIV 89.6. Journal of Medical Primatology, 2005, 34, 271-281.	0.6	13
71	Efficacy of a SHIV 89.6 proviral DNA vaccine against mucosal SIVmac239 challenge. Vaccine, 2005, 23, 4036-4047.	3.8	13
72	Localized Populations of CD8low/â^' MHC Class I Tetramer+ SIV-Specific T Cells in Lymphoid Follicles and Genital Epithelium. PLoS ONE, 2009, 4, e4131.	2.5	13

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73	Infection with Host-Range Mutant Adenovirus 5 Suppresses Innate Immunity and Induces Systemic CD4+ T Cell Activation in Rhesus Macaques. PLoS ONE, 2014, 9, e106004.	2.5	13
74	Low expression of RNA sensors impacts Zika virus infection in the lower female reproductive tract. Nature Communications, 2019, 10, 4344.	12.8	13
75	SARSâ€CoVâ€2 surveillance for a nonâ€human primate breeding research facility. Journal of Medical Primatology, 2020, 49, 322-331.	0.6	13
76	New directions for HIV vaccine development from animal models. Current Opinion in HIV and AIDS, 2013, 8, 376-381.	3.8	12
77	Tissue Pharmacologic and Virologic Determinants of Duodenal and Rectal Gastrointestinal-Associated Lymphoid Tissue Immune Reconstitution in HIV-Infected Patients Initiating Antiretroviral Therapy. Journal of Infectious Diseases, 2017, 216, 813-818.	4.0	12
78	A Lipid/DNA Adjuvantâ€“Inactivated Influenza Virus Vaccine Protects Rhesus Macaques From Uncontrolled Virus Replication After Heterosubtypic Influenza A Virus Challenge. Journal of Infectious Diseases, 2018, 218, 856-867.	4.0	12
79	Developing a neonatal HIV vaccine: insights from macaque models of pediatric HIV/AIDS. Current Opinion in HIV and AIDS, 2007, 2, 367-374.	3.8	11
80	Enhanced In Vitro Transcytosis of Simian Immunodeficiency Virus Mediated by Vaccine-Induced Antibody Predicts Transmitted/Founder Strain Number After Rectal Challenge. Journal of Infectious Diseases, 2015, 211, 45-52.	4.0	11
81	Acute Infection and Subsequent Subclinical Reactivation of Herpes Simplex Virus 2 after Vaginal Inoculation of Rhesus Macaques. Journal of Virology, 2019, 93, .	3.4	11
82	Depo-ProveraÂ® Treatment Does Not Abrogate Protection from Intravenous SIV Challenge in Female Macaques Immunized with an Attenuated AIDS Virus. PLoS ONE, 2010, 5, e9814.	2.5	10
83	Mucosal immune responses to SIV infection. Seminars in Virology, 1996, 7, 139-145.	3.9	9
84	Antiviral Antibodies and T Cells Are Present in the Foreskin of Simian Immunodeficiency Virus-Infected Rhesus Macaques. Journal of Virology, 2012, 86, 7098-7106.	3.4	9
85	A Bistable Switch in Virus Dynamics Can Explain the Differences in Disease Outcome Following SIV Infections in Rhesus Macaques. Frontiers in Microbiology, 2018, 9, 1216.	3.5	9
86	Early Embryonic Loss Following Intravaginal Zika Virus Challenge in Rhesus Macaques. Frontiers in Immunology, 2021, 12, 686437.	4.8	9
87	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. BMC Pediatrics, 2016, 16, 177.	1.7	8
88	Memory B Cells and CD8+ Lymphocytes Do Not Control Seasonal Influenza A Virus Replication after Homologous Re-Challenge of Rhesus Macaques. PLoS ONE, 2011, 6, e21756.	2.5	8
89	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. AIDS Research and Human Retroviruses, 2004, 20, 1298-1305.	1.1	7
90	HIV transmission: Migratory Langerhans cells are primary targets in vaginal HIV transmission. Immunology and Cell Biology, 2007, 85, 269-270.	2.3	5

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91	Feasibility and preliminary safety of nitric oxide releasing solution as a treatment for bovine mastitis. Research in Veterinary Science, 2018, 118, 247-253.	1.9	5
92	Comparison of virology and immunology in SHIV 89.6 proviral DNA and virus-inoculated rhesus macaques. Journal of Medical Primatology, 2003, 32, 240-246.	0.6	4
93	A discrete-time survival model with random effects for designing and analyzing repeated low-dose challenge experiments. Biostatistics, 2015, 16, 295-310.	1.5	4
94	Immunophenotype of Simian Immunodeficiency Virus-Infected Cells in the Spleen of a Rhesus Monkey. AIDS Research and Human Retroviruses, 2015, 31, 359-360.	1.1	3
95	Mucosal Immunity and Vaccines Against Simian Immunodeficiency Virus and Human Immunodeficiency Virus. , 2005, , 937-957.		1
96	T Cells in the Female Reproductive Tract Can Both Block and Facilitate HIV Transmission. Current Immunology Reviews, 2019, 15, 36-40.	1.2	0