

Michaela MÃ¼ller-Trutwin

List of Publications by Year in descending order

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92
papers

5,698
citations

87888

38
h-index

79698

73
g-index

99
all docs

99
docs citations

99
times ranked

5815
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a new human immunodeficiency virus type 1 distinct from group M and group O. <i>Nature Medicine</i> , 1998, 4, 1032-1037.	30.7	496
2	Nonpathogenic SIV infection of African green monkeys induces a strong but rapidly controlled type I IFN response. <i>Journal of Clinical Investigation</i> , 2009, 119, 3544-55.	8.2	406
3	Nef-Mediated Suppression of T Cell Activation Was Lost in a Lentiviral Lineage that Gave Rise to HIV-1. <i>Cell</i> , 2006, 125, 1055-1067.	28.9	359
4	HIV-1-associated chronic immune activation. <i>Immunological Reviews</i> , 2013, 254, 78-101.	6.0	349
5	Toward an AIDS vaccine: lessons from natural simian immunodeficiency virus infections of African nonhuman primate hosts. <i>Nature Medicine</i> , 2009, 15, 861-865.	30.7	204
6	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. <i>Journal of Virology</i> , 2010, 84, 7886-7891.	3.4	191
7	Adipose Tissue Is a Neglected Viral Reservoir and an Inflammatory Site during Chronic HIV and SIV Infection. <i>PLoS Pathogens</i> , 2015, 11, e1005153.	4.7	191
8	High Levels of Viral Replication during Primary Simian Immunodeficiency Virus SIVagm Infection Are Rapidly and Strongly Controlled in African Green Monkeys. <i>Journal of Virology</i> , 2000, 74, 7538-7547.	3.4	154
9	Acute Plasma Biomarkers of T Cell Activation Set-Point Levels and of Disease Progression in HIV-1 Infection. <i>PLoS ONE</i> , 2012, 7, e46143.	2.5	149
10	Simian Immunodeficiency Virus SIVagm.sab Infection of Caribbean African Green Monkeys: a New Model for the Study of SIV Pathogenesis in Natural Hosts. <i>Journal of Virology</i> , 2006, 80, 4858-4867.	3.4	139
11	Wild <i>Mandrillus sphinx</i> Are Carriers of Two Types of Lentivirus. <i>Journal of Virology</i> , 2001, 75, 7086-7096.	3.4	133
12	Cellular Metabolism Is a Major Determinant of HIV-1 Reservoir Seeding in CD4+ T Cells and Offers an Opportunity to Tackle Infection. <i>Cell Metabolism</i> , 2019, 29, 611-626.e5.	16.2	124
13	The genome of the vervet (<i>Chlorocebus aethiops sabaeus</i>). <i>Genome Research</i> , 2015, 25, 1921-1933.	5.5	114
14	Synthetic Peptide Strategy for the Detection of and Discrimination among Highly Divergent Primate Lentiviruses. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 937-952.	1.1	113
15	Ancient hybridization and strong adaptation to viruses across African vervet monkey populations. <i>Nature Genetics</i> , 2017, 49, 1705-1713.	21.4	107
16	Natural killer cells migrate into and control simian immunodeficiency virus replication in lymph node follicles in African green monkeys. <i>Nature Medicine</i> , 2017, 23, 1277-1286.	30.7	107
17	Plasmacytoid Dendritic Cell Dynamics and Alpha Interferon Production during Simian Immunodeficiency Virus Infection with a Nonpathogenic Outcome. <i>Journal of Virology</i> , 2008, 82, 5145-5152.	3.4	105
18	Nef-Mediated Enhancement of Virion Infectivity and Stimulation of Viral Replication Are Fundamental Properties of Primate Lentiviruses. <i>Journal of Virology</i> , 2007, 81, 13852-13864.	3.4	102

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19	Pivotal role of M-DC8+ monocytes from viremic HIV-infected patients in TNF α overproduction in response to microbial products. <i>Blood</i> , 2012, 120, 2259-2268.	1.4	84
20	Impact of Viral Factors on Very Early In Vivo Replication Profiles in Simian Immunodeficiency Virus SIVagm-Infected African Green Monkeys. <i>Journal of Virology</i> , 2005, 79, 6249-6259.	3.4	79
21	Early Divergence in Lymphoid Tissue Apoptosis between Pathogenic and Nonpathogenic Simian Immunodeficiency Virus Infections of Nonhuman Primates. <i>Journal of Virology</i> , 2008, 82, 1175-1184.	3.4	78
22	High Levels of Viral Replication Contrast with Only Transient Changes in CD4+ and CD8+ Cell Numbers during the Early Phase of Experimental Infection with Simian Immunodeficiency Virus SIVmnd-1 in <i>Mandrillus sphinx</i> . <i>Journal of Virology</i> , 2002, 76, 10256-10263.	3.4	73
23	Metabolic plasticity of HIV-specific CD8+ T cells is associated with enhanced antiviral potential and natural control of HIV-1 infection. <i>Nature Metabolism</i> , 2019, 1, 704-716.	11.9	72
24	HIV-1 group N among HIV-1-seropositive individuals in Cameroon. <i>Aids</i> , 2000, 14, 2623-2625.	2.2	72
25	High levels of SIVmnd-1 replication in chronically infected <i>Mandrillus sphinx</i> . <i>Virology</i> , 2003, 317, 119-127.	2.4	71
26	Ultrasensitive HIV-1 p24 Assay Detects Single Infected Cells and Differences in Reservoir Induction by Latency Reversal Agents. <i>Journal of Virology</i> , 2017, 91, .	3.4	64
27	Phylogenetic characteristics of three new HIV-1 N strains and implications for the origin of group N. <i>Aids</i> , 2004, 18, 1371-1381.	2.2	54
28	Viral load in tissues during the early and chronic phase of non-pathogenic SIVagm infection. <i>Journal of Medical Primatology</i> , 2004, 33, 83-97.	0.6	54
29	Innate Immune Responses and Rapid Control of Inflammation in African Green Monkeys Treated or Not with Interferon-Alpha during Primary SIVagm Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004241.	4.7	54
30	AIDS Progression Is Associated with the Emergence of IL-17 α -Producing Cells Early After Simian Immunodeficiency Virus Infection. <i>Journal of Immunology</i> , 2010, 184, 984-992.	0.8	53
31	Level of double negative T cells, which produce TGF- β 2 and IL-10, predicts CD8 T-cell activation in primary HIV-1 infection. <i>Aids</i> , 2012, 26, 139-148.	2.2	52
32	Elevated Basal Pre-infection CXCL10 in Plasma and in the Small Intestine after Infection Are Associated with More Rapid HIV/SIV Disease Onset. <i>PLoS Pathogens</i> , 2016, 12, e1005774.	4.7	50
33	African Non Human Primates Infected by SIV - Why Dont they Get Sick? Lessons from Studies on the Early Phase of Non-Pathogenic SIV Infection. <i>Current HIV Research</i> , 2009, 7, 39-50.	0.5	49
34	Nef Proteins from Simian Immunodeficiency Virus-Infected Chimpanzees Interact with p21-Activated Kinase 2 and Modulate Cell Surface Expression of Various Human Receptors. <i>Journal of Virology</i> , 2004, 78, 6864-6874.	3.4	46
35	Simian Immunodeficiency Virus Infection in Wild-Caught Chimpanzees from Cameroon. <i>Journal of Virology</i> , 2005, 79, 1312-1319.	3.4	45
36	High proportion of PD-1 α -expressing CD4 ⁺ T cells in adipose tissue constitutes an immunomodulatory microenvironment that may support HIV persistence. <i>European Journal of Immunology</i> , 2017, 47, 2113-2123.	2.9	44

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37	MDSCs in infectious diseases: regulation, roles, and readjustment. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 673-685.	4.2	44
38	Role for plasmacytoid dendritic cells in anti-HIV innate immunity. <i>Immunology and Cell Biology</i> , 2005, 83, 578-585.	2.3	42
39	NKG2C ⁺ memory-like NK cells contribute to the control of HIV viremia during primary infection: Optimized ANRS 147. <i>Clinical and Translational Immunology</i> , 2017, 6, e150.	3.8	42
40	Effect of SIVmac infection on plasmacytoid and CD1c ⁺ myeloid dendritic cells in cynomolgus macaques. <i>Immunology</i> , 2008, 124, 223-233.	4.4	41
41	Non-human primates in HIV research: Achievements, limits and alternatives. <i>Infection, Genetics and Evolution</i> , 2016, 46, 324-332.	2.3	39
42	Frequent Substitution Polymorphisms in African Green Monkey CCR5 Cluster at Critical Sites for Infections by Simian Immunodeficiency Virus SIVagm, Implying Ancient Virus-Host Coevolution. <i>Journal of Virology</i> , 2001, 75, 8449-8460.	3.4	38
43	SIVagm genetic and biological features associated with replication. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, d1170-1185.	3.0	38
44	TLR7 dosage polymorphism shapes interferogenesis and HIV-1 acute viremia in women. <i>JCI Insight</i> , 2020, 5, .	5.0	36
45	Endogenous TRIM5 α Function Is Regulated by SUMOylation and Nuclear Sequestration for Efficient Innate Sensing in Dendritic Cells. <i>Cell Reports</i> , 2016, 14, 355-369.	6.4	31
46	A Mature NK Profile at the Time of HIV Primary Infection Is Associated with an Early Response to cART. <i>Frontiers in Immunology</i> , 2017, 8, 54.	4.8	30
47	The Biased Nucleotide Composition of HIV-1 Triggers Type I Interferon Response and Correlates with Subtype D Increased Pathogenicity. <i>PLoS ONE</i> , 2012, 7, e33502.	2.5	29
48	Lymph Node Cellular and Viral Dynamics in Natural Hosts and Impact for HIV Cure Strategies. <i>Frontiers in Immunology</i> , 2018, 9, 780.	4.8	29
49	Systems biology of natural simian immunodeficiency virus infections. <i>Current Opinion in HIV and AIDS</i> , 2012, 7, 71-78.	3.8	25
50	Impact of early cART on HIV blood and semen compartments at the time of primary infection. <i>PLoS ONE</i> , 2017, 12, e0180191.	2.5	25
51	DC-SIGN from African Green Monkeys Is Expressed in Lymph Nodes and Mediates Infection in trans of Simian Immunodeficiency Virus SIVagm. <i>Journal of Virology</i> , 2004, 78, 798-810.	3.4	24
52	CXCR6-Mediated Simian Immunodeficiency Virus SIVagm Sab Entry into Sabaeus African Green Monkey Lymphocytes Implicates Widespread Use of Non-CCR5 Pathways in Natural Host Infections. <i>Journal of Virology</i> , 2017, 91, .	3.4	24
53	SIV-induced terminally differentiated adaptive NK cells in lymph nodes associated with enhanced MHC-E restricted activity. <i>Nature Communications</i> , 2021, 12, 1282.	12.8	24
54	Greater diversity of HIV DNA variants in the rectum compared to variants in the blood in patients without HAART. <i>Journal of Medical Virology</i> , 2011, 83, 1499-1507.	5.0	23

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55	IL-21 and IFN γ therapy rescues terminally differentiated NK cells and limits SIV reservoir in ART-treated macaques. <i>Nature Communications</i> , 2021, 12, 2866.	12.8	23
56	Phenotype and function of myeloid dendritic cells derived from African green monkey blood monocytes. <i>Journal of Immunological Methods</i> , 2006, 308, 138-155.	1.4	22
57	Gag p27-Specific B- and T-Cell Responses in Simian Immunodeficiency Virus SIVagm-Infected African Green Monkeys. <i>Journal of Virology</i> , 2009, 83, 2770-2777.	3.4	22
58	Broad Spectrum of Coreceptor Usage and Rapid Disease Progression in HIV-1-Infected Individuals from Central African Republic. <i>AIDS Research and Human Retroviruses</i> , 2003, 19, 551-560.	1.1	20
59	Species-specific host factors rather than virus-intrinsic virulence determine primate lentiviral pathogenicity. <i>Nature Communications</i> , 2018, 9, 1371.	12.8	20
60	NK cell immune responses differ after prime and boost vaccination. <i>Journal of Leukocyte Biology</i> , 2019, 105, 1055-1073.	3.3	20
61	Innate immunity in the control of HIV/AIDS. <i>Aids</i> , 2012, 26, 1269-1279.	2.2	19
62	Immune activation in HIV infection. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 201-208.	3.8	19
63	Extremely low viral reservoir in treated chronically HIV-1-infected individuals. <i>EBioMedicine</i> , 2020, 57, 102830.	6.1	18
64	Dendritic Cells from HIV Controllers Have Low Susceptibility to HIV-1 Infection In Vitro but High Capacity to Capture HIV-1 Particles. <i>PLoS ONE</i> , 2016, 11, e0160251.	2.5	18
65	Innate immune cell responses in non pathogenic versus pathogenic SIV infections. <i>Current Opinion in Virology</i> , 2016, 19, 37-44.	5.4	17
66	Interferon-associated therapies toward HIV control: The back and forth. <i>Cytokine and Growth Factor Reviews</i> , 2018, 40, 99-112.	7.2	17
67	NK cell exhaustion: bad news for chronic disease?. <i>Oncotarget</i> , 2015, 6, 21797-21798.	1.8	17
68	Systemic DPP4 activity is reduced during primary HIV-1 infection and is associated with intestinal RORC ⁺ CD4 ⁺ cell levels: a surrogate marker candidate of HIV-induced intestinal damage. <i>Journal of the International AIDS Society</i> , 2018, 21, e25144.	3.0	16
69	Reprogramming dysfunctional CD8 ⁺ T cells to promote properties associated with natural HIV control. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	15
70	Mutations in CCR5-Coding Sequences Are Not Associated with SIV Carrier Status in African Nonhuman Primates. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 931-939.	1.1	14
71	Long oligonucleotide microarrays for African green monkey gene expression profile analysis. <i>FASEB Journal</i> , 2007, 21, 3262-3271.	0.5	14
72	T regulatory cells: aid or hindrance in the clearance of disease?. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 1291-1325.	3.6	14

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73	Optimal Maturation of the SIV-Specific CD8+ T Cell Response after Primary Infection Is Associated with Natural Control of SIV: ANRS SIC Study. <i>Cell Reports</i> , 2020, 32, 108174.	6.4	12
74	Plasmacytoid Dendritic Cell Infection and Sensing Capacity during Pathogenic and Nonpathogenic Simian Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2015, 89, 6918-6927.	3.4	11
75	Non-human Primate Determinants of Natural Killer Cells in Tissues at Steady-State and During Simian Immunodeficiency Virus Infection. <i>Frontiers in Immunology</i> , 2020, 11, 2134.	4.8	11
76	Towards improvements in molecular tools for diagnosis and management of HIV infections. <i>Lancet</i> , The, 1999, 354, 1660-1662.	13.7	10
77	Modulation of Type I Interferon-Associated Viral Sensing during Acute Simian Immunodeficiency Virus Infection in African Green Monkeys. <i>Journal of Virology</i> , 2015, 89, 751-762.	3.4	10
78	Interests of the Non-Human Primate Models for HIV Cure Research. <i>Vaccines</i> , 2021, 9, 958.	4.4	10
79	Analysis and annotation of DNA methylation in two nonhuman primate species using the Infinium Human Methylation 450K and EPIC BeadChips. <i>Epigenomics</i> , 2021, 13, 169-186.	2.1	9
80	Ultrasensitive Detection of p24 in Plasma Samples from People with Primary and Chronic HIV-1 Infection. <i>Journal of Virology</i> , 2021, 95, e0001621.	3.4	9
81	NK-B cell cross talk induces CXCR5 expression on natural killer cells. <i>IScience</i> , 2021, 24, 103109.	4.1	9
82	DNA methylation changes in metabolic and immune-regulatory pathways in blood and lymph node CD4+ T cells in response to SIV infections. <i>Clinical Epigenetics</i> , 2020, 12, 188.	4.1	8
83	Role of NKG2a/c+CD8+ T cells in pathogenic versus non-pathogenic SIV infections. <i>IScience</i> , 2021, 24, 102314.	4.1	8
84	CD32+CD4+ T Cells Sharing B Cell Properties Increase With Simian Immunodeficiency Virus Replication in Lymphoid Tissues. <i>Frontiers in Immunology</i> , 2021, 12, 695148.	4.8	8
85	Expression sequence tag library derived from peripheral blood mononuclear cells of the chlorocebus sabaues. <i>BMC Genomics</i> , 2012, 13, 279.	2.8	4
86	MHC polymorphism in Caribbean African green monkeys. <i>Immunogenetics</i> , 2014, 66, 353-360.	2.4	4
87	The Yellow Brick Road towards HIV Eradication. <i>Trends in Immunology</i> , 2019, 40, 465-467.	6.8	4
88	CXCR3 Expression Pattern on CD4+ T Cells and IP-10 Levels with Regard to the HIV-1 Reservoir in the Gut-Associated Lymphatic Tissue. <i>Pathogens</i> , 2022, 11, 483.	2.8	4
89	Second European Round Table on the Future Management of HIV. <i>Journal of Virus Eradication</i> , 2015, 1, 211-220.	0.5	3
90	PCR amplification of large genomic fragments from human and simian immunodeficiency virus infected cell lines. <i>Life Sciences</i> , 1992, 50, 1973-1984.	4.3	1

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91	NK cell spatial dynamics and IgA responses in gut-associated lymphoid tissues during SIV infections. Communications Biology, 2022, 5, .	4.4	1
92	Second European Round Table on the Future Management of HIV: 10-11 October 2014, Barcelona, Spain. Journal of Virus Eradication, 2015, 1, 211-20.	0.5	0