

Francois J Villinger

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

4,052
citations

35
h-index

63
g-index

91
ext. papers

4,794
ext. citations

9.5
avg, IF

4.6
L-index

#	Paper	IF	Citations
83	Localization of infection in neonatal rhesus macaques after oral viral challenge. <i>PLoS Pathogens</i> , 2021 , 17, e1009855	7.6	0
82	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines 2021 ,		12
81	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. <i>Nature</i> , 2021 , 594, 253-258	50.4	92
80	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	17.4	6
79	PET/CT targeted tissue sampling reveals virus specific dIgA can alter the distribution and localization of HIV after rectal exposure. <i>PLoS Pathogens</i> , 2021 , 17, e1009632	7.6	5
78	Heavy Elements Revealed in Jejunum of Simian Immunodeficiency Virus Infected Monkeys by Microparticle Induced X-Ray Emission. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2000107	1.6	0
77	Cooperation Between Systemic IgG1 and Mucosal Dimeric IgA2 Monoclonal Anti-HIV Env Antibodies: Passive Immunization Protects Indian Rhesus Macaques Against Mucosal SHIV Challenges. <i>Frontiers in Immunology</i> , 2021 , 12, 705592	8.4	0
76	IL-21 enhances influenza vaccine responses in aged macaques with suppressed SIV infection. <i>JCI Insight</i> , 2021 , 6,	9.9	1
75	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines. <i>Cell</i> , 2021 , 184, 5432-5447.e16	56.2	34
74	3M-052, a synthetic TLR-7/8 agonist, induces durable HIV-1 envelope-specific plasma cells and humoral immunity in nonhuman primates. <i>Science Immunology</i> , 2020 , 5,	28	38
73	Idiopathic chronic diarrhea associated with dysbiosis in a captive cynomolgus macaque (<i>Macaca fascicularis</i>). <i>Journal of Medical Primatology</i> , 2020 , 49, 56-59	0.7	4
72	CX3CL1 and IL-15 Promote CD8 T cell chemoattraction in HIV and in atherosclerosis. <i>PLoS Pathogens</i> , 2020 , 16, e1008885	7.6	8
71	Protective Immune Responses Elicited by Deglycosylated Live-Attenuated Simian Immunodeficiency Virus Vaccine Are Associated with IL-15 Effector Functions. <i>Journal of Immunology</i> , 2020 , 205, 1331-1344	5.3	2
70	A single lentivector DNA based immunization contains a late heterologous SIVmac251 mucosal challenge infection. <i>Vaccine</i> , 2020 , 38, 3729-3739	4.1	2
69	Visualization of early events in mRNA vaccine delivery in non-human primates via PET-CT and near-infrared imaging. <i>Nature Biomedical Engineering</i> , 2019 , 3, 371-380	19	57
68	Vaccine induction of antibodies and tissue-resident CD8+ T cells enhances protection against mucosal SHIV-infection in young macaques. <i>JCI Insight</i> , 2019 , 4,	9.9	31
67	A tetravalent virus-like particle vaccine designed to display domain III of dengue envelope proteins induces multi-serotype neutralizing antibodies in mice and macaques which confer protection against antibody dependent enhancement in AG129 mice. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006181	4.8	49

66	Immune Priming and Long-term Persistence of Memory B Cells After Inactivated Poliovirus Vaccine in Macaque Models: Support for at least 2 Doses. <i>Clinical Infectious Diseases</i> , 2018 , 67, S66-S77	11.6	5
65	Select gp120 V2 domain specific antibodies derived from HIV and SIV infection and vaccination inhibit gp120 binding to CD4. <i>PLoS Pathogens</i> , 2018 , 14, e1007278	7.6	21
64	Simian Immunodeficiency Virus Targeting of CXCR3 CD4 T Cells in Secondary Lymphoid Organs Is Associated with Robust CXCL10 Expression in Monocyte/Macrophage Subsets. <i>Journal of Virology</i> , 2017 , 91,	6.6	4
63	Pharmacokinetics and Preliminary Safety of Pod-Intravaginal Rings Delivering the Monoclonal Antibody VRC01-N for HIV Prophylaxis in a Macaque Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	21
62	Comparison of the vaginal environment in rhesus and cynomolgus macaques pre- and post-lactobacillus colonization. <i>Journal of Medical Primatology</i> , 2017 , 46, 232-238	0.7	4
61	Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5 Restrictive Macaques. <i>Journal of Virology</i> , 2017 , 91,	6.6	58
60	Sustained virologic control in SIV+ macaques after antiretroviral and CD4 antibody therapy. <i>Science</i> , 2016 , 354, 197-202	33.3	158
59	Isolation of Exosomes from the Plasma of HIV-1 Positive Individuals. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	36
58	SIV/SHIV Infection Triggers Vascular Inflammation, Diminished Expression of Krüppel-like Factor 2 and Endothelial Dysfunction. <i>Journal of Infectious Diseases</i> , 2016 , 213, 1419-27	7	16
57	Experimental transfusion-induced Babesia microti infection: dynamics of parasitemia and immune responses in a rhesus macaque model. <i>Transfusion</i> , 2016 , 56, 1508-19	2.9	10
56	Characterization of dengue virus 2 growth in megakaryocyte-erythrocyte progenitor cells. <i>Virology</i> , 2016 , 493, 162-72	3.6	14
55	Induction of Th1-Biased T Follicular Helper (Tfh) Cells in Lymphoid Tissues during Chronic Simian Immunodeficiency Virus Infection Defines Functionally Distinct Germinal Center Tfh Cells. <i>Journal of Immunology</i> , 2016 , 197, 1832-42	5.3	77
54	CD40L-adjuvanted DNA/modified vaccinia virus Ankara simian immunodeficiency virus (SIV) vaccine enhances protection against neutralization-resistant mucosal SIV infection. <i>Journal of Virology</i> , 2015 , 89, 4690-5	6.6	28
53	Suppression of the Insulin Receptors in Adult Schistosoma japonicum Impacts on Parasite Growth and Development: Further Evidence of Vaccine Potential. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003730	4.8	41
52	Codelivery of Envelope Protein in Alum with MVA Vaccine Induces CXCR3-Biased CXCR5+ and CXCR5- CD4 T Cell Responses in Rhesus Macaques. <i>Journal of Immunology</i> , 2015 , 195, 994-1005	5.3	40
51	Defense-in-depth by mucosally administered anti-HIV dimeric IgA2 and systemic IgG1 mAbs: complete protection of rhesus monkeys from mucosal SHIV challenge. <i>Vaccine</i> , 2015 , 33, 2086-95	4.1	59
50	Whole-body immunoPET reveals active SIV dynamics in viremic and antiretroviral therapy-treated macaques. <i>Nature Methods</i> , 2015 , 12, 427-32	21.6	113
49	Species-specific differences in the expression and regulation of CD4 integrin in various nonhuman primates. <i>Journal of Immunology</i> , 2015 , 194, 5968-79	5.3	13

48	Relationship of menstrual cycle and vaginal infection in female rhesus macaques challenged with repeated, low doses of SIVmac251. <i>Journal of Medical Primatology</i> , 2015 , 44, 301-5	0.7	13
47	Hallmarks of HIV-1 pathogenesis are modulated by Nef β Secretion Modification Region. <i>Journal of AIDS & Clinical Research</i> , 2015 , 6,	1	5
46	Phenotypic and Functional Characterization of Monoclonal Antibodies with Specificity for Rhesus Macaque CD200, CD200R and Mincle. <i>PLoS ONE</i> , 2015 , 10, e0140689	3.7	4
45	Characterization and Implementation of a Diverse Simian Immunodeficiency Virus SIVsm Envelope Panel in the Assessment of Neutralizing Antibody Breadth Elicited in Rhesus Macaques by Multimodal Vaccines Expressing the SIVmac239 Envelope. <i>Journal of Virology</i> , 2015 , 89, 8130-51	6.6	20
44	Vaccine-induced plasmablast responses in rhesus macaques: phenotypic characterization and a source for generating antigen-specific monoclonal antibodies. <i>Journal of Immunological Methods</i> , 2015 , 416, 69-83	2.5	32
43	Dengue virus infection induces expansion of a CD14(+)CD16(+) monocyte population that stimulates plasmablast differentiation. <i>Cell Host and Microbe</i> , 2014 , 16, 115-27	23.4	157
42	Immunohistological characterization of intercellular junction proteins in rhesus macaque intestine. <i>Experimental and Toxicologic Pathology</i> , 2014 , 66, 437-44		12
41	Diminished viral control during simian immunodeficiency virus infection is associated with aberrant PD-1hi CD4 T cell enrichment in the lymphoid follicles of the rectal mucosa. <i>Journal of Immunology</i> , 2014 , 193, 4527-36	5.3	38
40	In vivo administration of a JAK3 inhibitor during acute SIV infection leads to significant increases in viral load during chronic infection. <i>PLoS Pathogens</i> , 2014 , 10, e1003929	7.6	24
39	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	7.6	41
38	Target cell availability, rather than breast milk factors, dictates mother-to-infant transmission of SIV in sooty mangabeys and rhesus macaques. <i>PLoS Pathogens</i> , 2014 , 10, e1003958	7.6	32
37	Multimodality vaccination against clade C SHIV: partial protection against mucosal challenges with a heterologous tier 2 virus. <i>Vaccine</i> , 2014 , 32, 6527-36	4.1	8
36	Targeting $\alpha 4 \beta 7$ integrin reduces mucosal transmission of simian immunodeficiency virus and protects gut-associated lymphoid tissue from infection. <i>Nature Medicine</i> , 2014 , 20, 1397-400	50.5	115
35	Early lymphoid responses and germinal center formation correlate with lower viral load set points and better prognosis of simian immunodeficiency virus infection. <i>Journal of Immunology</i> , 2014 , 193, 797-806	5.3	33
34	Long-term central and effector SHIV-specific memory T cell responses elicited after a single immunization with a novel lentivector DNA vaccine. <i>PLoS ONE</i> , 2014 , 9, e110883	3.7	5
33	Anti-HIV IgA isotypes: differential virion capture and inhibition of transcytosis are linked to prevention of mucosal R5 SHIV transmission. <i>Aids</i> , 2013 , 27, F13-20	3.5	95
32	Glycosylation of simian immunodeficiency virus influences immune-tissue targeting during primary infection, leading to immunodeficiency or viral control. <i>Journal of Virology</i> , 2012 , 86, 9323-36	6.6	5
31	Spatial alterations between CD4(+) T follicular helper, B, and CD8(+) T cells during simian immunodeficiency virus infection: T/B cell homeostasis, activation, and potential mechanism for viral escape. <i>Journal of Immunology</i> , 2012 , 188, 3247-56	5.3	129

30	An anti-HIV-1 V3 loop antibody fully protects cross-clade and elicits T-cell immunity in macaques mucosally challenged with an R5 clade C SHIV. <i>PLoS ONE</i> , 2011 , 6, e18207	3.7	63
29	Development of a tier 1 R5 clade C simian-human immunodeficiency virus as a tool to test neutralizing antibody-based immunoprophylaxis. <i>Journal of Medical Primatology</i> , 2011 , 40, 120-8	0.7	10
28	Programming the magnitude and persistence of antibody responses with innate immunity. <i>Nature</i> , 2011 , 470, 543-7	50.4	703
27	Prevention of infection by a granulocyte-macrophage colony-stimulating factor co-expressing DNA/modified vaccinia Ankara simian immunodeficiency virus vaccine. <i>Journal of Infectious Diseases</i> , 2011 , 204, 164-73	7	93
26	Protection of macaques with diverse MHC genotypes against a heterologous SIV by vaccination with a deglycosylated live-attenuated SIV. <i>PLoS ONE</i> , 2010 , 5, e11678	3.7	20
25	R5 clade C SHIV strains with tier 1 or 2 neutralization sensitivity: tools to dissect env evolution and to develop AIDS vaccines in primate models. <i>PLoS ONE</i> , 2010 , 5, e11689	3.7	45
24	Impact of glycosylation on antigenicity of simian immunodeficiency virus SIV239: induction of rapid V1/V2-specific non-neutralizing antibody and delayed neutralizing antibody following infection with an attenuated deglycosylated mutant. <i>Journal of General Virology</i> , 2008 , 89, 554-566	4.9	8
23	GM-CSF DNA: an adjuvant for higher avidity IgG, rectal IgA, and increased protection against the acute phase of a SHIV-89.6P challenge by a DNA/MVA immunodeficiency virus vaccine. <i>Virology</i> , 2007 , 369, 153-67	3.6	68
22	Interleukin-15 but not interleukin-7 abrogates vaccine-induced decrease in virus level in simian immunodeficiency virus mac251-infected macaques. <i>Journal of Immunology</i> , 2007 , 178, 3492-504	5.3	44
21	Elevated expression levels of inhibitory receptor programmed death 1 on simian immunodeficiency virus-specific CD8 T cells during chronic infection but not after vaccination. <i>Journal of Virology</i> , 2007 , 81, 5819-28	6.6	110
20	Adjuvanting a DNA vaccine with a TLR9 ligand plus Flt3 ligand results in enhanced cellular immunity against the simian immunodeficiency virus. <i>Journal of Experimental Medicine</i> , 2007 , 204, 2733-46	16.6	67
19	IL-15 induces CD4 effector memory T cell production and tissue emigration in nonhuman primates. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1514-24	15.9	162
18	Interleukin-15 increases effector memory CD8+ t cells and NK Cells in simian immunodeficiency virus-infected macaques. <i>Journal of Virology</i> , 2005 , 79, 4877-85	6.6	94
17	Cytokines as clinical adjuvants: how far are we?. <i>Expert Review of Vaccines</i> , 2003 , 2, 317-26	5.2	32
16	Evidence for antibody-mediated enhancement of simian immunodeficiency virus (SIV) Gag antigen processing and cross presentation in SIV-infected rhesus macaques. <i>Journal of Virology</i> , 2003 , 77, 10-24	6.6	54
15	Adoptive transfer of simian immunodeficiency virus (SIV) naïve autologous CD4(+) cells to macaques chronically infected with SIV is sufficient to induce long-term nonprogressor status. <i>Blood</i> , 2002 , 99, 590-9	2.2	56
14	Cloning, sequencing, and homology analysis of nonhuman primate Fas/Fas-ligand and co-stimulatory molecules. <i>Immunogenetics</i> , 2001 , 53, 315-28	3.2	30
13	Multiplex analysis of cytokines in the blood of cynomolgus macaques naturally infected with Ebola virus (reston serotype)**. <i>Journal of Medical Virology</i> , 2001 , 65, 561-566	19.7	49

12	Control of a Mucosal Challenge and Prevention of AIDS by a Multiprotein DNA/MVA Vaccine. <i>Science</i> , 2001 , 292, 69-74	33.3	90
11	Multiplex analysis of cytokines in the blood of cynomolgus macaques naturally infected with Ebola virus (reston serotype)** 2001 , 65, 561		3
10	The role of gammadelta T cells in generating antiviral factors and beta-chemokines in protection against mucosal simian immunodeficiency virus infection. <i>European Journal of Immunology</i> , 2000 , 30, 2245-56	6.1	77
9	Hematopoietic response to lineage-non-specific (rrIL-3) and lineage-specific (rhG-CSF, rhEpo, rhTpo) cytokine administration in SIV-infected rhesus macaques is related to stage of infection. <i>Journal of Medical Primatology</i> , 2000 , 29, 47-56	0.7	3
8	Suppression of acute viremia by short-term postexposure prophylaxis of simian/human immunodeficiency virus SHIV-RT-infected monkeys with a novel reverse transcriptase inhibitor (GW420867) allows for development of potent antiviral immune responses resulting in efficient containment of infection. <i>Journal of Virology</i> , 2000 , 74, 5747-53	6.6	65
7	Expression and in vitro evaluation of rhesus macaque wild type (wt) and modified CC chemokines. <i>Journal of Medical Primatology</i> , 1998 , 27, 113-20	0.7	6
6	Intracellular cytokine expression in the CD4+ and CD8+ T cells from intestinal mucosa of simian immunodeficiency virus infected macaques. <i>Journal of Medical Primatology</i> , 1998 , 27, 129-40	0.7	12
5	CD34+ and CFU-GM progenitors are significantly decreased in SIVsmm9 infected rhesus macaques with minimal evidence of direct viral infection by polymerase chain reaction. <i>American Journal of Hematology</i> , 1993 , 43, 274-8	7.1	21
4	Inhibition of HIV-1 infectivity by zinc-ejecting aromatic C-nitroso compounds. <i>Nature</i> , 1993 , 361, 473-5	50.4	200
3	Identification of SIV/SMM Viral Proteins That Induce T Cell Response in Experimentally Infected Rhesus Macaques and Naturally Infected Sooty Mangabeys by the Cellular Western Blot Assay. <i>Journal of Medical Primatology</i> , 1990 , 19, 227-238	0.7	5
2	Inhibition of SIV/SMM Replication In Vitro by CD8 + Cells From SIV/SMM Infected Seropositive Clinically Asymptomatic Sooty Mangabeys. <i>Journal of Medical Primatology</i> , 1990 , 19, 239-249	0.7	27
1	Comparison of SIV/SMM Replication in CD4+ T Cell and Monocyte/Macrophage Cultures From Rhesus Macaques and Sooty Mangabeys. <i>Journal of Medical Primatology</i> , 1990 , 19, 251-267	0.7	7