Francois J Villinger

List of Publications by Year
in descending order

85	5,246	87843	88593
papers	citations	38 h-index	70 g-index

91	91	91	7583
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Programming the magnitude and persistence of antibody responses with innate immunity. Nature, 2011, 470, 543-547.	13.7	847
2	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. Nature, 2021, 594, 253-258.	13.7	253
3	Inhibition of HIV-1 infectivity by zinc-ejecting aromatic C-nitroso compounds. Nature, 1993, 361, 473-475.	13.7	226
4	Dengue Virus Infection Induces Expansion of a CD14+CD16+ Monocyte Population that Stimulates Plasmablast Differentiation. Cell Host and Microbe, 2014, 16, 115-127.	5.1	220
5	Sustained virologic control in SIV ⁺ macaques after antiretroviral and Î± ₄ Î² ₇ antibody therapy. Science, 2016, 354, 197-202.	6.0	194
6	IL-15 induces CD4+ effector memory T cell production and tissue emigration in nonhuman primates. Journal of Clinical Investigation, 2006, 116, 1514-1524.	3.9	181
7	Whole-body immunoPET reveals active SIV dynamics in viremic and antiretroviral therapyâ€“treated macaques. Nature Methods, 2015, 12, 427-432.	9.0	153
8	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. Journal of Immunology, 2012, 188, 3247-3256.	0.4	146
9	Targeting Î±4Î²7 integrin reduces mucosal transmission of simian immunodeficiency virus and protects gut-associated lymphoid tissue from infection. Nature Medicine, 2014, 20, 1397-1400.	15.2	134
10	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines. Cell, 2021, 184, 5432-5447.e16.	13.5	131
11	Elevated Expression Levels of Inhibitory Receptor Programmed Death 1 on Simian Immunodeficiency Virus-Specific CD8 T Cells during Chronic Infection but Not after Vaccination. Journal of Virology, 2007, 81, 5819-5828.	1.5	119
12	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. Journal of Immunology, 2016, 197, 1832-1842.	0.4	116
13	Anti-HIV IgA isotypes. Aids, 2013, 27, F13-F20.	1.0	114
14	Visualization of early events in mRNA vaccine delivery in non-human primates via PETâ€“CT and near-infrared imaging. Nature Biomedical Engineering, 2019, 3, 371-380.	11.6	112
15	Interleukin-15 Increases Effector Memory CD8+ T Cells and NK Cells in Simian Immunodeficiency Virus-Infected Macaques. Journal of Virology, 2005, 79, 4877-4885.	1.5	111
16	Control of a Mucosal Challenge and Prevention of AIDS by a Multiprotein DNA/MVA Vaccine. Science, 2001, 292, 69-74.	6.0	107
17	Prevention of Infection by a Granulocyte-Macrophage Colony-Stimulating Factor Co-Expressing DNA/Modified Vaccinia Ankara Simian Immunodeficiency Virus Vaccine. Journal of Infectious Diseases, 2011, 204, 164-173.	1.9	105
18	3M-052, a synthetic TLR-7/8 agonist, induces durable HIV-1 envelopeâ€“specific plasma cells and humoral immunity in nonhuman primates. Science Immunology, 2020, 5, .	5.6	90

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19	The role of Î³ Î´ T cells in generating antiviral factors and Î²-chemokines in protection against mucosal simian immunodeficiency virus infection. European Journal of Immunology, 2000, 30, 2245-2256.	1.6	82
20	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. Virology, 2007, 369, 153-167.	1.1	75
21	Adjuvanting a DNA vaccine with a TLR9 ligand plus Flt3 ligand results in enhanced cellular immunity against the simian immunodeficiency virus. Journal of Experimental Medicine, 2007, 204, 2733-2746.	4.2	74
22	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. PLoS ONE, 2011, 6, e18207.	1.1	74
23	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. Journal of Virology, 2000, 74, 5747-5753.	1.5	70
24	Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5Î± Restrictive Macaques. Journal of Virology, 2017, 91, .	1.5	70
25	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. PLoS Neglected Tropical Diseases, 2018, 12, e0006191.	1.3	67
26	Defense-in-depth by mucosally administered anti-HIV dimeric IgA2 and systemic IgG1 mAbs: Complete protection of rhesus monkeys from mucosal SHIV challenge. Vaccine, 2015, 33, 2086-2095.	1.7	63
27	Adoptive transfer of simian immunodeficiency virus (SIV) naÄ±Ìˆve autologous CD4+ cells to macaques chronically infected with SIV is sufficient to induce long-term nonprogressor status. Blood, 2002, 99, 590-599.	0.6	60
28	Evidence for Antibody-Mediated Enhancement of Simian Immunodeficiency Virus (SIV) Gag Antigen Processing and Cross Presentation in SIV-Infected Rhesus Macaques. Journal of Virology, 2003, 77, 10-24.	1.5	60
29	Innate Immune Responses and Rapid Control of Inflammation in African Green Monkeys Treated or Not with Interferon-Alpha during Primary SIVagm Infection. PLoS Pathogens, 2014, 10, e1004241.	2.1	54
30	Multiplex analysis of cytokines in the blood of cynomolgus macaques naturally infected with Ebola virus (reston serotype). Journal of Medical Virology, 2001, 65, 561-566.	2.5	52
31	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. PLoS ONE, 2010, 5, e11689.	1.1	52
32	Codelivery of Envelope Protein in Alum with MVA Vaccine Induces CXCR3-Biased CXCR5+ and CXCR5â^' CD4 T Cell Responses in Rhesus Macaques. Journal of Immunology, 2015, 195, 994-1005.	0.4	50
33	Vaccine induction of antibodies and tissue-resident CD8+ T cells enhances protection against mucosal SHIV-infection in young macaques. JCI Insight, 2019, 4, .	2.3	50
34	Interleukin-15 but Not Interleukin-7 Abrogates Vaccine-Induced Decrease in Virus Level in Simian Immunodeficiency Virusmac251-Infected Macaques. Journal of Immunology, 2007, 178, 3492-3504.	0.4	47
35	Suppression of the Insulin Receptors in Adult Schistosoma japonicum Impacts on Parasite Growth and Development: Further Evidence of Vaccine Potential. PLoS Neglected Tropical Diseases, 2015, 9, e0003730.	1.3	46
36	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. Journal of Immunology, 2014, 193, 4527-4536.	0.4	45

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37	Target Cell Availability, Rather than Breast Milk Factors, Dictates Mother-to-Infant Transmission of SIV in Sooty Mangabeys and Rhesus Macaques. PLoS Pathogens, 2014, 10, e1003958.	2.1	43
38	Vaccine-induced plasmablast responses in rhesus macaques: Phenotypic characterization and a source for generating antigen-specific monoclonal antibodies. Journal of Immunological Methods, 2015, 416, 69-83.	0.6	43
39	Isolation of Exosomes from the Plasma of HIV-1 Positive Individuals. Journal of Visualized Experiments, 2016, , .	0.2	43
40	Cytokines as clinical adjuvants: how far are we?. Expert Review of Vaccines, 2003, 2, 317-326.	2.0	39
41	Early Lymphoid Responses and Germinal Center Formation Correlate with Lower Viral Load Set Points and Better Prognosis of Simian Immunodeficiency Virus Infection. Journal of Immunology, 2014, 193, 797-806.	0.4	35
42	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. Journal of Virology, 2015, 89, 8130-8151.	1.5	35
43	Inhibition of SIV/SMM Replication In Vitro by CD8 + Cells From SIV/SMM Infected Seropositive Clinically Asymptomatic Sooty Mangabeys. Journal of Medical Primatology, 1990, 19, 239-249.	0.3	32
44	Cloning, sequencing, and homology analysis of nonhuman primate Fas/Fas-ligand and co-stimulatory molecules. Immunogenetics, 2001, 53, 315-328.	1.2	31
45	CD40L-Adjuvanted DNA/Modified Vaccinia Virus Ankara Simian Immunodeficiency Virus (SIV) Vaccine Enhances Protection against Neutralization-Resistant Mucosal SIV Infection. Journal of Virology, 2015, 89, 4690-4695.	1.5	31
46	Select gp120 V2 domain specific antibodies derived from HIV and SIV infection and vaccination inhibit gp120 binding to Î±4Î²7. PLoS Pathogens, 2018, 14, e1007278.	2.1	29
47	In Vivo Administration of a JAK3 Inhibitor during Acute SIV Infection Leads to Significant Increases in Viral Load during Chronic Infection. PLoS Pathogens, 2014, 10, e1003929.	2.1	27
48	Pharmacokinetics and Preliminary Safety of Pod-Intravaginal Rings Delivering the Monoclonal Antibody VRC01-N for HIV Prophylaxis in a Macaque Model. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	25
49	CD34+ and CFU-GM progenitors are significantly decreased in sivsmm9 infected rhesus macaques with minimal evidence of direct viral infection by polymerase chain reaction. American Journal of Hematology, 1993, 43, 274-278.	2.0	24
50	Protection of Macaques with Diverse MHC Genotypes against a Heterologous SIV by Vaccination with a Deglycosylated Live-Attenuated SIV. PLoS ONE, 2010, 5, e11678.	1.1	24
51	IL-21 and IFNÎ± therapy rescues terminallyÂdifferentiated NK cells and limits SIV reservoir in ART-treated macaques. Nature Communications, 2021, 12, 2866.	5.8	23
52	SIV/SHIV Infection Triggers Vascular Inflammation, Diminished Expression of KrÃ¼ppel-like Factor 2 and Endothelial Dysfunction. Journal of Infectious Diseases, 2016, 213, 1419-1427.	1.9	20
53	Characterization of dengue virus 2 growth in megakaryocyteâ€“erythrocyte progenitor cells. Virology, 2016, 493, 162-172.	1.1	19
54	Species-Specific Differences in the Expression and Regulation of Î±4Î²7 Integrin in Various Nonhuman Primates. Journal of Immunology, 2015, 194, 5968-5979.	0.4	17

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55	CX3CL1 and IL-15 Promote CD8 T cell chemoattraction in HIV and in atherosclerosis. PLoS Pathogens, 2020, 16, e1008885.	2.1	17
56	Immunohistological characterization of intercellular junction proteins in rhesus macaque intestine. Experimental and Toxicologic Pathology, 2014, 66, 437-444.	2.1	16
57	Experimental transfusionâ€induced Babesia microti infection: dynamics of parasitemia and immune responses in a rhesus macaque model. Transfusion, 2016, 56, 1508-1519.	0.8	16
58	Relationship of menstrual cycle and vaginal infection in female rhesus macaques challenged with repeated, low doses of <scp>SIV</scp>mac251. Journal of Medical Primatology, 2015, 44, 301-305.	0.3	15
59	Intracellular cytokine expression in the CD4+ and CD8+ T cells from intestinal mucosa of simian immunodeficiency virus infected macaques. Journal of Medical Primatology, 1998, 27, 129-140.	0.3	13
60	Development of a tier 1 R5 clade C simianâ€“human immunodeficiency virus as a tool to test neutralizing antibodyâ€based immunoprophylaxis. Journal of Medical Primatology, 2011, 40, 120-128.	0.3	13
61	PET/CT targeted tissue sampling reveals virus specific dIgA can alter the distribution and localization of HIV after rectal exposure. PLoS Pathogens, 2021, 17, e1009632.	2.1	11
62	Lymph node CXCR5+ NK cells associate with control of chronic SHIV infection. JCI Insight, 2022, 7, .	2.3	11
63	Multimodality vaccination against clade C SHIV: Partial protection against mucosal challenges with a heterologous tier 2 virus. Vaccine, 2014, 32, 6527-6536.	1.7	9
64	Immune Priming and Long-term Persistence of Memory B Cells After Inactivated Poliovirus Vaccine in Macaque Models: Support for at least 2 Doses. Clinical Infectious Diseases, 2018, 67, S66-S77.	2.9	9
65	Comparison of SIV/SMM Replication in CD4⁺ T Cell and Monocyte/Macrophage Cultures From Rhesus Macaques and Sooty Mangabeys. Journal of Medical Primatology, 1990, 19, 251-267.	0.3	9
66	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. Journal of General Virology, 2008, 89, 554-566.	1.3	8
67	Hallmarks of HIV-1 pathogenesis are modulated by NefÃƒÂ¢Ã‚Ã€Ã‚™s Secretion Modification Region. Journal of AIDS & Clinical Research, 2015, 06, .	0.5	8
68	Expression and in vitro evaluation of rhesus macaque wild type (wt) and modified CC chemokines. Journal of Medical Primatology, 1998, 27, 113-120.	0.3	7
69	Long-Term Central and Effector SHIV-Specific Memory T Cell Responses Elicited after a Single Immunization with a Novel Lentivector DNA Vaccine. PLoS ONE, 2014, 9, e110883.	1.1	7
70	Glycosylation of Simian Immunodeficiency Virus Influences Immune-Tissue Targeting during Primary Infection, Leading to Immunodeficiency or Viral Control. Journal of Virology, 2012, 86, 9323-9336.	1.5	6
71	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. Journal of Medical Primatology, 1990, 19, 227-238.	0.3	6
72	Comparison of the vaginal environment in rhesus and cynomolgus macaques preâ€and postâ€lactobacillus colonization. Journal of Medical Primatology, 2017, 46, 232-238.	0.3	5

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73	Idiopathic chronic diarrhea associated with dysbiosis in a captive cynomolgus macaque (Macaca) Tj ETQq1 1 0.784314 rgBT /Overloc	0.3	5
74	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. Journal of Medical Primatology, 2000, 29, 47-56.	0.3	4
75	Phenotypic and Functional Characterization of Monoclonal Antibodies with Specificity for Rhesus Macaque CD200, CD200R and Mincle. PLoS ONE, 2015, 10, e0140689.	1.1	4
76	Simian Immunodeficiency Virus Targeting of CXCR3 + CD4 + T Cells in Secondary Lymphoid Organs Is Associated with Robust CXCL10 Expression in Monocyte/Macrophage Subsets. Journal of Virology, 2017, 91, .	1.5	4
77	Protective Immune Responses Elicited by Deglycosylated Live-Attenuated Simian Immunodeficiency Virus Vaccine Are Associated with IL-15 Effector Functions. Journal of Immunology, 2020, 205, 1331-1344.	0.4	4
78	A single lentivector DNA based immunization contains a late heterologous SIVmac251 mucosal challenge infection. Vaccine, 2020, 38, 3729-3739.	1.7	4
79	IL-21 enhances influenza vaccine responses in aged macaques with suppressed SIV infection. JCI Insight, 2021, 6, .	2.3	4
80	Localization of infection in neonatal rhesus macaques after oral viral challenge. PLoS Pathogens, 2021, 17, e1009855.	2.1	4
81	Cooperation Between Systemic IgG1 and Mucosal Dimeric IgA2 Monoclonal Anti-HIV Env Antibodies: Passive Immunization Protects Indian Rhesus Macaques Against Mucosal SHIV Challenges. Frontiers in Immunology, 2021, 12, 705592.	2.2	3
82	Multiplex analysis of cytokines in the blood of cynomolgus macaques naturally infected with Ebola virus (reston serotype). Journal of Medical Virology, 2001, 65, 561-566.	2.5	3
83	Cytokine Adjuvants IL-7 and IL-15 Improve Humoral Responses of a SHIV LentiDNA Vaccine in Animal Models. Vaccines, 2022, 10, 461.	2.1	3
84	Heavy Elements Revealed in Jejunum of Simian Immunodeficiency Virus Infected Monkeys by Microparticle Induced Xâ€Ray Emission. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000107.	0.8	2
85	Infection of Chinese Rhesus Monkeys with a Subtype C SHIV Resulted in Attenuated In Vivo Viral Replication Despite Successful Animal-to-Animal Serial Passages. Viruses, 2021, 13, 397.	1.5	1