

Sampa Santra

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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.

51
papers

3,803
citations

28
h-index

52
g-index

52
ext. papers

4,390
ext. citations

12.4
avg, IF

4.18
L-index

#	Paper	IF	Citations
51	Control of viremia and prevention of clinical AIDS in rhesus monkeys by cytokine-augmented DNA vaccination. <i>Science</i> , 2000 , 290, 486-92	33.3	836
50	Zika virus protection by a single low-dose nucleoside-modified mRNA vaccination. <i>Nature</i> , 2017 , 543, 248-251	50.4	502
49	Vaccine induction of antibodies against a structurally heterogeneous site of immune pressure within HIV-1 envelope protein variable regions 1 and 2. <i>Immunity</i> , 2013 , 38, 176-86	32.3	319
48	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization. <i>Cell Host and Microbe</i> , 2021 , 29, 23-31.e4	23.4	198
47	Mosaic vaccines elicit CD8+ T lymphocyte responses that confer enhanced immune coverage of diverse HIV strains in monkeys. <i>Nature Medicine</i> , 2010 , 16, 324-8	50.5	191
46	Reduction of simian-human immunodeficiency virus 89.6P viremia in rhesus monkeys by recombinant modified vaccinia virus Ankara vaccination. <i>Journal of Virology</i> , 2001 , 75, 5151-8	6.6	173
45	Envelope residue 375 substitutions in simian-human immunodeficiency viruses enhance CD4 binding and replication in rhesus macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E3413-22	11.5	132
44	Replication-defective adenovirus serotype 5 vectors elicit durable cellular and humoral immune responses in nonhuman primates. <i>Journal of Virology</i> , 2005 , 79, 6516-22	6.6	126
43	Human Non-neutralizing HIV-1 Envelope Monoclonal Antibodies Limit the Number of Founder Viruses during SHIV Mucosal Infection in Rhesus Macaques. <i>PLoS Pathogens</i> , 2015 , 11, e1005042	7.6	111
42	Pentavalent HIV-1 vaccine protects against simian-human immunodeficiency virus challenge. <i>Nature Communications</i> , 2017 , 8, 15711	17.4	94
41	Antigenicity and immunogenicity of RV144 vaccine AIDSVAX clade E envelope immunogen is enhanced by a gp120 N-terminal deletion. <i>Journal of Virology</i> , 2013 , 87, 1554-68	6.6	85
40	Vaccine Induction of Heterologous Tier 2 HIV-1 Neutralizing Antibodies in Animal Models. <i>Cell Reports</i> , 2017 , 21, 3681-3690	10.6	67
39	Initiation of immune tolerance-controlled HIV gp41 neutralizing B cell lineages. <i>Science Translational Medicine</i> , 2016 , 8, 336ra62	17.5	65
38	A centralized gene-based HIV-1 vaccine elicits broad cross-clade cellular immune responses in rhesus monkeys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10489-94	11.5	63
37	Mimicry of an HIV broadly neutralizing antibody epitope with a synthetic glycopeptide. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	59
36	Recombinant poxvirus boosting of DNA-primed rhesus monkeys augments peak but not memory T lymphocyte responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 11088-93	11.5	56
35	Initiation of HIV neutralizing B cell lineages with sequential envelope immunizations. <i>Nature Communications</i> , 2017 , 8, 1732	17.4	52

34	Vaccine Elicitation of High Mannose-Dependent Neutralizing Antibodies against the V3-Glycan Broadly Neutralizing Epitope in Nonhuman Primates. <i>Cell Reports</i> , 2017 , 18, 2175-2188	10.6	50
33	Antibody light-chain-restricted recognition of the site of immune pressure in the RV144 HIV-1 vaccine trial is phylogenetically conserved. <i>Immunity</i> , 2014 , 41, 909-18	32.3	50
32	Structural Constraints of Vaccine-Induced Tier-2 Autologous HIV Neutralizing Antibodies Targeting the Receptor-Binding Site. <i>Cell Reports</i> , 2016 , 14, 43-54	10.6	45
31	Breadth of cellular and humoral immune responses elicited in rhesus monkeys by multi-valent mosaic and consensus immunogens. <i>Virology</i> , 2012 , 428, 121-7	3.6	43
30	Heterologous prime/boost immunizations of rhesus monkeys using chimpanzee adenovirus vectors. <i>Vaccine</i> , 2009 , 27, 5837-45	4.1	41
29	Heterologous prime/boost immunization of rhesus monkeys by using diverse poxvirus vectors. <i>Journal of Virology</i> , 2007 , 81, 8563-70	6.6	37
28	Recombinant canarypox vaccine-elicited CTL specific for dominant and subdominant simian immunodeficiency virus epitopes in rhesus monkeys. <i>Journal of Immunology</i> , 2002 , 168, 1847-53	5.3	37
27	Comparison of Immunogenicity in Rhesus Macaques of Transmitted-Founder, HIV-1 Group M Consensus, and Trivalent Mosaic Envelope Vaccines Formulated as a DNA Prime, NYVAC, and Envelope Protein Boost. <i>Journal of Virology</i> , 2015 , 89, 6462-80	6.6	35
26	Neutralization Takes Precedence Over IgG or IgA Isotype-related Functions in Mucosal HIV-1 Antibody-mediated Protection. <i>EBioMedicine</i> , 2016 , 14, 97-111	8.8	29
25	Amino Acid Changes in the HIV-1 gp41 Membrane Proximal Region Control Virus Neutralization Sensitivity. <i>EBioMedicine</i> , 2016 , 12, 196-207	8.8	28
24	Immunization with an SIV-based IDLV Expressing HIV-1 Env 1086 Clade C Elicits Durable Humoral and Cellular Responses in Rhesus Macaques. <i>Molecular Therapy</i> , 2016 , 24, 2021-2032	11.7	28
23	Antibodies Elicited by Multiple Envelope Glycoprotein Immunogens in Primates Neutralize Primary Human Immunodeficiency Viruses (HIV-1) Sensitized by CD4-Mimetic Compounds. <i>Journal of Virology</i> , 2016 , 90, 5031-5046	6.6	27
22	A CD4-mimetic compound enhances vaccine efficacy against stringent immunodeficiency virus challenge. <i>Nature Communications</i> , 2018 , 9, 2363	17.4	24
21	B7 co-stimulatory requirements differ for induction of immune responses by DNA, protein and recombinant pox virus vaccination. <i>European Journal of Immunology</i> , 2000 , 30, 2650-9	6.1	22
20	Infection of monkeys by simian-human immunodeficiency viruses with transmitted/founder clade C HIV-1 envelopes. <i>Virology</i> , 2015 , 475, 37-45	3.6	21
19	Prior vaccination increases the epitopic breadth of the cytotoxic T-lymphocyte response that evolves in rhesus monkeys following a simian-human immunodeficiency virus infection. <i>Journal of Virology</i> , 2002 , 76, 6376-81	6.6	20
18	Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates 2020 ,		20
17	Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates. <i>Npj Vaccines</i> , 2021 , 6, 50	9.5	19

16	IDLV-HIV-1 Env vaccination in non-human primates induces affinity maturation of antigen-specific memory B cells. <i>Communications Biology</i> , 2018 , 1, 134	6.7	15
15	Strong, but Age-Dependent, Protection Elicited by a Deoxyribonucleic Acid/Modified Vaccinia Ankara Simian Immunodeficiency Virus Vaccine. <i>Open Forum Infectious Diseases</i> , 2016 , 3, ofw034	1	14
14	Neonatal Rhesus Macaques Have Distinct Immune Cell Transcriptional Profiles following HIV Envelope Immunization. <i>Cell Reports</i> , 2020 , 30, 1553-1569.e6	10.6	10
13	Immune checkpoint modulation enhances HIV-1 antibody induction. <i>Nature Communications</i> , 2020 , 11, 948	17.4	9
12	Immunogenicity of NYVAC Prime-Protein Boost Human Immunodeficiency Virus Type 1 Envelope Vaccination and Simian-Human Immunodeficiency Virus Challenge of Nonhuman Primates. <i>Journal of Virology</i> , 2018 , 92,	6.6	8
11	Tissue memory B cell repertoire analysis after ALVAC/AIDS VAX B/E gp120 immunization of rhesus macaques. <i>JCI Insight</i> , 2016 , 1, e88522	9.9	6
10	Strong T1-biased CD4 T cell responses are associated with diminished SIV vaccine efficacy. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	6
9	Therapeutic vaccination with IDLV-SIV-Gag results in durable viremia control in chronically SHIV-infected macaques. <i>Npj Vaccines</i> , 2020 , 5, 36	9.5	5
8	HIV-1 Envelope Mimicry of Host Enzyme Kynureninase Does Not Disrupt Tryptophan Metabolism. <i>Journal of Immunology</i> , 2016 , 197, 4663-4673	5.3	5
7	Immunogenicity, safety, and efficacy of sequential immunizations with an SIV-based IDLV expressing CH505 Envs. <i>Npj Vaccines</i> , 2020 , 5, 107	9.5	5
6	The transcription factor CREB1 is a mechanistic driver of immunogenicity and reduced HIV-1 acquisition following ALVAC vaccination. <i>Nature Immunology</i> , 2021 , 22, 1294-1305	19.1	5
5	Cross-reactive potential of human T-lymphocyte responses in HIV-1 infection. <i>Vaccine</i> , 2014 , 32, 3995-4000	4	4
4	Engagement of monocytes, NK cells, and CD4+ Th1 cells by ALVAC-SIV vaccination results in a decreased risk of SIVmac251 vaginal acquisition. <i>PLoS Pathogens</i> , 2020 , 16, e1008377	7.6	3
3	Systematic Assessment of Antiviral Potency, Breadth, and Synergy of Triple Broadly Neutralizing Antibody Combinations against Simian-Human Immunodeficiency Viruses. <i>Journal of Virology</i> , 2021 , 95,	6.6	2
2	Recombinant MVA-prime elicits neutralizing antibody responses by inducing antigen-specific B cells in the germinal center. <i>Npj Vaccines</i> , 2021 , 6, 15	9.5	1
1	Structural and genetic convergence of HIV-1 neutralizing antibodies in vaccinated non-human primates. <i>PLoS Pathogens</i> , 2021 , 17, e1009624	7.6	