Laura L Sutherland

List of Publications by Year
in descending order

29 papers	3,270 citations	304602 22 h-index	477173 29 g-index
33 all docs	33 docs citations	33 times ranked	5842 citing authors

#	Article	IF	Citations
1	Zika virus protection by a single low-dose nucleoside-modified mRNA vaccination. Nature, 2017, 543, 248-251.	13.7	699
2	Nucleoside-modified mRNA vaccines induce potent T follicular helper and germinal center B cell responses. Journal of Experimental Medicine, 2018, 215, 1571-1588.	4.2	366
3	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization. Cell Host and Microbe, 2021, 29, 23-31.e4.	5.1	308
4	InÂvitro and inÂvivo functions of SARS-CoV-2 infection-enhancing and neutralizing antibodies. Cell, 2021, 184, 4203-4219.e32.	13.5	228
5	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. Nature, 2021, 594, 553-559.	13.7	199
6	Pentavalent HIV-1 vaccine protects against simian-human immunodeficiency virus challenge. Nature Communications, 2017, 8, 15711.	5.8	137
7	Glycosylation Site-Specific Analysis of HIV Envelope Proteins (JR-FL and CON-S) Reveals Major Differences in Glycosylation Site Occupancy, Glycoform Profiles, and Antigenic EpitopesÊ¼ Accessibility. Journal of Proteome Research, 2008, 7, 1660-1674.	1.8	133
8	Targeted selection of HIV-specific antibody mutations by engineering B cell maturation. Science, 2019, 366, .	6.0	118
9	Human Immunodeficiency Virus Type 1 gp41 Antibodies That Mask Membrane Proximal Region Epitopes: Antibody Binding Kinetics, Induction, and Potential for Regulation in Acute Infection. Journal of Virology, 2008, 82, 115-125.	1.5	108
10	Vaccine Induction of Heterologous Tier 2 HIV-1 Neutralizing Antibodies in Animal Models. Cell Reports, 2017, 21, 3681-3690.	2.9	97
11	Glycosylation Site-Specific Analysis of Clade C HIV-1 Envelope Proteins. Journal of Proteome Research, 2009, 8, 4231-4242.	1.8	87
12	Mimicry of an HIV broadly neutralizing antibody epitope with a synthetic glycopeptide. Science Translational Medicine, 2017, 9, .	5.8	81
13	Toll-Like Receptor 7/8 (TLR7/8) and TLR9 Agonists Cooperate To Enhance HIV-1 Envelope Antibody Responses in Rhesus Macaques. Journal of Virology, 2014, 88, 3329-3339.	1.5	80
14	Initiation of HIV neutralizing B cell lineages with sequential envelope immunizations. Nature Communications, 2017, 8, 1732.	5.8	76
15	Vaccine Elicitation of High Mannose-Dependent Neutralizing Antibodies against the V3-Glycan Broadly Neutralizing Epitope in Nonhuman Primates. Cell Reports, 2017, 18, 2175-2188.	2.9	69
16	Antibody Light-Chain-Restricted Recognition of the Site of Immune Pressure in the RV144 HIV-1 Vaccine Trial Is Phylogenetically Conserved. Immunity, 2014, 41, 909-918.	6.6	65
17	Neutralization Takes Precedence Over IgG or IgA Isotype-related Functions in Mucosal HIV-1 Antibody-mediated Protection. EBioMedicine, 2016, 14, 97-111.	2.7	47
18	A CD4-mimetic compound enhances vaccine efficacy against stringent immunodeficiency virus challenge. Nature Communications, 2018, 9, 2363.	5.8	46

#	Article	IF	Citations
19	Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates. Npj Vaccines, 2021, 6, 50.	2.9	46
20	Structural Constraints of Vaccine-Induced Tier-2 Autologous HIV Neutralizing Antibodies Targeting the Receptor-Binding Site. Cell Reports, 2016, 14, 43-54.	2.9	45
21	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. Journal of Virology, 2015, 89, 6462-6480.	1.5	40
22	Amino Acid Changes in the HIV-1 gp41 Membrane Proximal Region Control Virus Neutralization Sensitivity. EBioMedicine, 2016, 12, 196-207.	2.7	34
23	Immune checkpoint modulation enhances HIV-1 antibody induction. Nature Communications, 2020, 11, 948.	5.8	27
24	Neonatal Rhesus Macaques Have Distinct Immune Cell Transcriptional Profiles following HIV Envelope Immunization. Cell Reports, 2020, 30, 1553-1569.e6.	2.9	21
25	HIV DNA-Adenovirus Multiclade Envelope Vaccine Induces gp41 Antibody Immunodominance in Rhesus Macaques. Journal of Virology, 2017, 91, .	1.5	20
26	Differential immune imprinting by influenza virus vaccination and infection in nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
27	Immunogenicity of NYVAC Prime-Protein Boost Human Immunodeficiency Virus Type 1 Envelope Vaccination and Simian-Human Immunodeficiency Virus Challenge of Nonhuman Primates. Journal of Virology, 2018, 92, .	1.5	10
28	HIV-1 Envelope Mimicry of Host Enzyme Kynureninase Does Not Disrupt Tryptophan Metabolism. Journal of Immunology, 2016, 197, 4663-4673.	0.4	6
29	Structural and genetic convergence of HIV-1 neutralizing antibodies in vaccinated non-human primates. PLoS Pathogens, 2021, 17, e1009624.	2.1	2