

Hanne Andersen

List of Publications by Year in descending order

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73
papers

12,456
citations

87843

38
h-index

79644

73
g-index

100
all docs

100
docs citations

100
times ranked

16248
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective Efficacy of Gastrointestinal SARS-CoV-2 Delivery against Intranasal and Intratracheal SARS-CoV-2 Challenge in Rhesus Macaques. <i>Journal of Virology</i> , 2022, 96, JV0159921.	1.5	5
2	Optimization of non-coding regions for a non-modified mRNA COVID-19 vaccine. <i>Nature</i> , 2022, 601, 410-414.	13.7	71
3	Protection from SARS-CoV-2 Delta one year after mRNA-1273 vaccination in rhesus macaques coincides with anamnestic antibody response in the lung. <i>Cell</i> , 2022, 185, 113-130.e15.	13.5	64
4	The SARS-CoV-2 monoclonal antibody combination, AZD7442, is protective in nonhuman primates and has an extended half-life in humans. <i>Science Translational Medicine</i> , 2022, 14, eab18124.	5.8	143
5	Passive transfer of Ad26.COVS-elicited IgG from humans attenuates SARS-CoV-2 disease in hamsters. <i>Npj Vaccines</i> , 2022, 7, 2.	2.9	2
6	Synthetic multiantigen MVA vaccine COH04S1 protects against SARS-CoV-2 in Syrian hamsters and non-human primates. <i>Npj Vaccines</i> , 2022, 7, 7.	2.9	35
7	A combination of two human neutralizing antibodies prevents SARS-CoV-2 infection in cynomolgus macaques. <i>Med</i> , 2022, 3, 188-203.e4.	2.2	11
8	SARS-CoV-2 receptor binding domain displayed on HBsAg virus-like particles elicits protective immunity in macaques. <i>Science Advances</i> , 2022, 8, eab16015.	4.7	27
9	Vaccine protection against the SARS-CoV-2 Omicron variant in macaques. <i>Cell</i> , 2022, 185, 1549-1555.e11.	13.5	59
10	mRNA-1273 or mRNA-Omicron boost in vaccinated macaques elicits similar B cell expansion, neutralizing responses, and protection from Omicron. <i>Cell</i> , 2022, 185, 1556-1571.e18.	13.5	179
11	A homologous or variant booster vaccine after Ad26.COVS immunization enhances SARS-CoV-2-specific immune responses in rhesus macaques. <i>Science Translational Medicine</i> , 2022, 14, eabm4996.	5.8	13
12	Reduced pathogenicity of the SARS-CoV-2 omicron variant in hamsters. <i>Med</i> , 2022, 3, 262-268.e4.	2.2	117
13	Defining the determinants of protection against SARS-CoV-2 infection and viral control in a dose-down Ad26.CoV2.S vaccine study in nonhuman primates. <i>PLoS Biology</i> , 2022, 20, e3001609.	2.6	14
14	Reduced SARS-CoV-2 disease outcomes in Syrian hamsters receiving immune sera: Quantitative image analysis in pathologic assessments. <i>Veterinary Pathology</i> , 2022, , 030098582210957.	0.8	2
15	COH04S1 and beta sequence-modified vaccine protect hamsters from SARS-CoV-2 variants. <i>IScience</i> , 2022, 25, 104457.	1.9	8
16	An intranasally administrated SARS-CoV-2 beta variant subunit booster vaccine prevents beta variant replication in rhesus macaques. , 2022, 1, .		10
17	Mosaic RBD nanoparticles protect against challenge by diverse sarbecoviruses in animal models. <i>Science</i> , 2022, 377, .	6.0	120
18	Protection against SARS-CoV-2 infection by a mucosal vaccine in rhesus macaques. <i>JCI Insight</i> , 2021, 6, .	2.3	52

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19	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. <i>Nature</i> , 2021, 594, 553-559.	13.7	199
20	A liposome-displayed hemagglutinin vaccine platform protects mice and ferrets from heterologous influenza virus challenge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
21	Protective efficacy of Ad26.COVS against SARS-CoV-2 B.1.351 in macaques. <i>Nature</i> , 2021, 596, 423-427.	13.7	40
22	Low-dose Ad26.COVS protection against SARS-CoV-2 challenge in rhesus macaques. <i>Cell</i> , 2021, 184, 3467-3473.e11.	13.5	49
23	Protective antibodies elicited by SARS-CoV-2 spike protein vaccination are boosted in the lung after challenge in nonhuman primates. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	56
24	SARS-CoV-2 variant prediction and antiviral drug design are enabled by RBD in vitro evolution. <i>Nature Microbiology</i> , 2021, 6, 1188-1198.	5.9	314
25	In vitro and in vivo functions of SARS-CoV-2 infection-enhancing and neutralizing antibodies. <i>Cell</i> , 2021, 184, 4203-4219.e32.	13.5	228
26	mRNA-1273 protects against SARS-CoV-2 beta infection in nonhuman primates. <i>Nature Immunology</i> , 2021, 22, 1306-1315.	7.0	57
27	Immunity elicited by natural infection or Ad26.COVS vaccination protects hamsters against SARS-CoV-2 variants of concern. <i>Science Translational Medicine</i> , 2021, 13, eabj3789.	5.8	32
28	Prior infection with SARS-CoV-2 WA1/2020 partially protects rhesus macaques against reinfection with B.1.1.7 and B.1.351 variants. <i>Science Translational Medicine</i> , 2021, 13, eabj2641.	5.8	15
29	Immune correlates of protection by mRNA-1273 vaccine against SARS-CoV-2 in nonhuman primates. <i>Science</i> , 2021, 373, eabj0299.	6.0	244
30	Efficacy and breadth of adjuvanted SARS-CoV-2 receptor-binding domain nanoparticle vaccine in macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	44
31	Control of SARS-CoV-2 infection after Spike DNA or Spike DNA+Protein co-immunization in rhesus macaques. <i>PLoS Pathogens</i> , 2021, 17, e1009701.	2.1	12
32	Intradermal-delivered DNA vaccine induces durable immunity mediating a reduction in viral load in a rhesus macaque SARS-CoV-2 challenge model. <i>Cell Reports Medicine</i> , 2021, 2, 100420.	3.3	28
33	Engineered SARS-CoV-2 receptor binding domain improves manufacturability in yeast and immunogenicity in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	68
34	Correlates of protection against SARS-CoV-2 in rhesus macaques. <i>Nature</i> , 2021, 590, 630-634.	13.7	995
35	Protection against SARS-CoV-2 Beta variant in mRNA-1273 vaccine-boosted nonhuman primates. <i>Science</i> , 2021, 374, 1343-1353.	6.0	83
36	Recombinant protein subunit SARS-CoV-2 vaccines formulated with CoVaccine HT, adjuvant induce broad, Th1 biased, humoral and cellular immune responses in mice. <i>Vaccine: X</i> , 2021, 9, 100126.	0.9	13

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37	Preclinical evaluation of a candidate naked plasmid DNA vaccine against SARS-CoV-2. <i>Npj Vaccines</i> , 2021, 6, 156.	2.9	15
38	Propagation of SARS-CoV-2 in Calu-3 Cells to Eliminate Mutations in the Furin Cleavage Site of Spike. <i>Viruses</i> , 2021, 13, 2434.	1.5	19
39	REGN-COV2 antibodies prevent and treat SARS-CoV-2 infection in rhesus macaques and hamsters. <i>Science</i> , 2020, 370, 1110-1115.	6.0	476
40	Single-shot Ad26 vaccine protects against SARS-CoV-2 in rhesus macaques. <i>Nature</i> , 2020, 586, 583-588.	13.7	765
41	Vascular Disease and Thrombosis in SARS-CoV-2-Infected Rhesus Macaques. <i>Cell</i> , 2020, 183, 1354-1366.e13.	13.5	184
42	Animal models for COVID-19. <i>Nature</i> , 2020, 586, 509-515.	13.7	705
43	Evaluation of the mRNA-1273 Vaccine against SARS-CoV-2 in Nonhuman Primates. <i>New England Journal of Medicine</i> , 2020, 383, 1544-1555.	13.9	936
44	A Single Immunization with Nucleoside-Modified mRNA Vaccines Elicits Strong Cellular and Humoral Immune Responses against SARS-CoV-2 in Mice. <i>Immunity</i> , 2020, 53, 724-732.e7.	6.6	267
45	CoVaccine HT α , ϕ Adjuvant Potentiates Robust Immune Responses to Recombinant SARS-CoV-2 Spike S1 Immunization. <i>Frontiers in Immunology</i> , 2020, 11, 599587.	2.2	27
46	Ad26 vaccine protects against SARS-CoV-2 severe clinical disease in hamsters. <i>Nature Medicine</i> , 2020, 26, 1694-1700.	15.2	275
47	SARS-CoV-2 infection protects against rechallenge in rhesus macaques. <i>Science</i> , 2020, 369, 812-817.	6.0	789
48	DNA vaccine protection against SARS-CoV-2 in rhesus macaques. <i>Science</i> , 2020, 369, 806-811.	6.0	978
49	In Vivo Assembly of Nanoparticles Achieved through Synergy of Structure-Based Protein Engineering and Synthetic DNA Generates Enhanced Adaptive Immunity. <i>Advanced Science</i> , 2020, 7, 1902802.	5.6	30
50	Mosaic nanoparticle display of diverse influenza virus hemagglutinins elicits broad B cell responses. <i>Nature Immunology</i> , 2019, 20, 362-372.	7.0	211
51	A Recombinant Subunit Based Zika Virus Vaccine Is Efficacious in Non-human Primates. <i>Frontiers in Immunology</i> , 2018, 9, 2464.	2.2	36
52	Zika virus protection by a single low-dose nucleoside-modified mRNA vaccination. <i>Nature</i> , 2017, 543, 248-251.	13.7	699
53	An Interleukin 12 Adjuvanted Herpes Simplex Virus 2 DNA Vaccine Is More Protective Than a Glycoprotein D Subunit Vaccine in a High-Dose Murine Challenge Model. <i>Viral Immunology</i> , 2017, 30, 178-195.	0.6	14
54	Prior Exposure to Zika Virus Significantly Enhances Peak Dengue-2 Viremia in Rhesus Macaques. <i>Scientific Reports</i> , 2017, 7, 10498.	1.6	121

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55	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.	3.7	41
56	Rapid development of a DNA vaccine for Zika virus. <i>Science</i> , 2016, 354, 237-240.	6.0	348
57	Hemagglutinin-stem nanoparticles generate heterosubtypic influenza protection. <i>Nature Medicine</i> , 2015, 21, 1065-1070.	15.2	567
58	Evaluation of a Multivalent Vaccine against Lymphatic Filariasis in Rhesus macaque Model. <i>PLoS ONE</i> , 2014, 9, e112982.	1.1	22
59	Immunogenicity of HIV Virus-Like Particles in Rhesus Macaques by Intranasal Administration. <i>Vaccine Journal</i> , 2012, 19, 970-973.	3.2	17
60	Aerosolized adenovirus-vectored vaccine as an alternative vaccine delivery method. <i>Respiratory Research</i> , 2011, 12, 153.	1.4	21
61	Long-Term Programming of Antigen-Specific Immunity from Gene Expression Signatures in the PBMC of Rhesus Macaques Immunized with an SIV DNA Vaccine. <i>PLoS ONE</i> , 2011, 6, e19681.	1.1	25
62	A virus-like particle vaccine for epidemic Chikungunya virus protects nonhuman primates against infection. <i>Nature Medicine</i> , 2010, 16, 334-338.	15.2	403
63	Newcastle Disease Virus-Vectored Vaccines Expressing the Hemagglutinin or Neuraminidase Protein of H5N1 Highly Pathogenic Avian Influenza Virus Protect against Virus Challenge in Monkeys. <i>Journal of Virology</i> , 2010, 84, 1489-1503.	1.5	86
64	Induction of Broadly Neutralizing H1N1 Influenza Antibodies by Vaccination. <i>Science</i> , 2010, 329, 1060-1064.	6.0	328
65	Electroporation of Synthetic DNA Antigens Offers Protection in Nonhuman Primates Challenged with Highly Pathogenic Avian Influenza Virus. <i>Journal of Virology</i> , 2009, 83, 4624-4630.	1.5	113
66	High dose of plasmid IL-15 inhibits immune responses in an influenza non-human primates immunogenicity model. <i>Virology</i> , 2009, 393, 49-55.	1.1	16
67	Transduction with Human Telomerase Reverse Transcriptase Immortalizes A Rhesus Macaque CD8+T Cell Clone with Maintenance of Surface Marker Phenotype And Function. <i>AIDS Research and Human Retroviruses</i> , 2007, 23, 456-465.	0.5	21
68	TCR β enhancer activation in early and late lymphoid progenitors. <i>Cellular Immunology</i> , 2007, 247, 59-71.	1.4	3
69	Capture of antigen-specific T lymphocytes from human blood by selective immortalization to establish long-term T-cell lines maintaining primary cell characteristics†. <i>Immunology Letters</i> , 2006, 105, 26-37.	1.1	12
70	Identification of the ancestral killer immunoglobulin-like receptor gene in primates. <i>BMC Genomics</i> , 2006, 7, 209.	1.2	53
71	Characterization of rhesus macaque natural killer activity against a rhesus-derived target cell line at the single-cell level. <i>Cellular Immunology</i> , 2004, 231, 85-95.	1.4	12
72	TCR β enhancer activation occurs in some but not all cells with T cell lineage developmental potential. <i>Cellular Immunology</i> , 2003, 222, 164-174.	1.4	2

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73	Immune Responses of a Novel Bi-Cistronic SARS-CoV-2 DNA Vaccine Following Intradermal Immunization With Suction Delivery. <i>Frontiers in Virology</i> , 0, 2, .	0.7	9