

Gary J Nabel

List of Publications by Citations

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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.

95
papers

15,994
citations

62
h-index

109
g-index

109
ext. papers

18,000
ext. citations

22.1
avg, IF

6.03
L-index

#	Paper	IF	Citations
95	Rational design of envelope identifies broadly neutralizing human monoclonal antibodies to HIV-1. <i>Science</i> , 2010 , 329, 856-61	33.3	1327
94	Structural basis for broad and potent neutralization of HIV-1 by antibody VRC01. <i>Science</i> , 2010 , 329, 811-7	33.3	871
93	Focused evolution of HIV-1 neutralizing antibodies revealed by structures and deep sequencing. <i>Science</i> , 2011 , 333, 1593-602	33.3	688
92	Structure of HIV-1 gp120 V1/V2 domain with broadly neutralizing antibody PG9. <i>Nature</i> , 2011 , 480, 336-43	33.4	682
91	HIV vaccine design and the neutralizing antibody problem. <i>Nature Immunology</i> , 2004 , 5, 233-6	19.1	659
90	HTLV-1 transactivator induces interleukin-2 receptor expression through an NF-kappa B-like factor. <i>Nature</i> , 1988 , 333, 776-8	50.4	587
89	Activation of HIV gene expression during monocyte differentiation by induction of NF-kappa B. <i>Nature</i> , 1989 , 339, 70-3	50.4	546
88	Self-assembling influenza nanoparticle vaccines elicit broadly neutralizing H1N1 antibodies. <i>Nature</i> , 2013 , 499, 102-6	50.4	481
87	Hemagglutinin-stem nanoparticles generate heterosubtypic influenza protection. <i>Nature Medicine</i> , 2015 , 21, 1065-70	50.5	416
86	Cloning of an NF-kappa B subunit which stimulates HIV transcription in synergy with p65. <i>Nature</i> , 1991 , 352, 733-6	50.4	403
85	Analysis of a clonal lineage of HIV-1 envelope V2/V3 conformational epitope-specific broadly neutralizing antibodies and their inferred unmutated common ancestors. <i>Journal of Virology</i> , 2011 , 85, 9998-10009	6.6	342
84	Recombinant fibroblast growth factor-1 promotes intimal hyperplasia and angiogenesis in arteries in vivo. <i>Nature</i> , 1993 , 362, 844-6	50.4	334
83	A virus-like particle vaccine for epidemic Chikungunya virus protects nonhuman primates against infection. <i>Nature Medicine</i> , 2010 , 16, 334-8	50.5	332
82	Regulation of the proinflammatory effects of Fas ligand (CD95L). <i>Science</i> , 1998 , 282, 1714-7	33.3	292
81	Induction of broadly neutralizing H1N1 influenza antibodies by vaccination. <i>Science</i> , 2010 , 329, 1060-4	33.3	289
80	Low-dose rectal inoculation of rhesus macaques by SIVsmE660 or SIVmac251 recapitulates human mucosal infection by HIV-1. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1117-34	16.6	257
79	Broadly neutralizing antibodies and the search for an HIV-1 vaccine: the end of the beginning. <i>Nature Reviews Immunology</i> , 2013 , 13, 693-701	36.5	255

78	Multidonor analysis reveals structural elements, genetic determinants, and maturation pathway for HIV-1 neutralization by VRC01-class antibodies. <i>Immunity</i> , 2013 , 39, 245-58	32.3	254
77	Passive transfer of modest titers of potent and broadly neutralizing anti-HIV monoclonal antibodies block SHIV infection in macaques. <i>Journal of Experimental Medicine</i> , 2014 , 211, 2061-74	16.6	245
76	Enhanced neonatal Fc receptor function improves protection against primate SHIV infection. <i>Nature</i> , 2014 , 514, 642-5	50.4	232
75	Epstein-Barr virus: an important vaccine target for cancer prevention. <i>Science Translational Medicine</i> , 2011 , 3, 107fs7	17.5	224
74	Structural basis for diverse N-glycan recognition by HIV-1-neutralizing V1-V2-directed antibody PG16. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 804-13	17.6	219
73	Vaccine-induced IgG antibodies to V1V2 regions of multiple HIV-1 subtypes correlate with decreased risk of HIV-1 infection. <i>PLoS ONE</i> , 2014 , 9, e87572	3.7	209
72	Designing tomorrow's vaccines. <i>New England Journal of Medicine</i> , 2013 , 368, 551-60	59.2	199
71	Enhanced potency of a broadly neutralizing HIV-1 antibody in vitro improves protection against lentiviral infection in vivo. <i>Journal of Virology</i> , 2014 , 88, 12669-82	6.6	198
70	Accelerating next-generation vaccine development for global disease prevention. <i>Science</i> , 2013 , 340, 1232910	33.3	194
69	A SARS DNA vaccine induces neutralizing antibody and cellular immune responses in healthy adults in a Phase I clinical trial. <i>Vaccine</i> , 2008 , 26, 6338-43	4.1	193
68	Neutralizing antibodies to HIV-1 envelope protect more effectively in vivo than those to the CD4 receptor. <i>Science Translational Medicine</i> , 2014 , 6, 243ra88	17.5	189
67	Immunization for Ebola virus infection. <i>Nature Medicine</i> , 1998 , 4, 37-42	50.5	189
66	Structural and genetic basis for development of broadly neutralizing influenza antibodies. <i>Nature</i> , 2012 , 489, 566-70	50.4	188
65	Immunization by avian H5 influenza hemagglutinin mutants with altered receptor binding specificity. <i>Science</i> , 2007 , 317, 825-8	33.3	185
64	Rational Design of an Epstein-Barr Virus Vaccine Targeting the Receptor-Binding Site. <i>Cell</i> , 2015 , 162, 1090-100	56.2	181
63	Cross-neutralization of 1918 and 2009 influenza viruses: role of glycans in viral evolution and vaccine design. <i>Science Translational Medicine</i> , 2010 , 2, 24ra21	17.5	181
62	Trispecific broadly neutralizing HIV antibodies mediate potent SHIV protection in macaques. <i>Science</i> , 2017 , 358, 85-90	33.3	176
61	HIV-1 causes CD4 cell death through DNA-dependent protein kinase during viral integration. <i>Nature</i> , 2013 , 498, 376-9	50.4	173

60	CD8+ cellular immunity mediates rAd5 vaccine protection against Ebola virus infection of nonhuman primates. <i>Nature Medicine</i> , 2011 , 17, 1128-31	50.5	170
59	Safety and tolerability of chikungunya virus-like particle vaccine in healthy adults: a phase 1 dose-escalation trial. <i>Lancet, The</i> , 2014 , 384, 2046-52	40	165
58	DNA priming and influenza vaccine immunogenicity: two phase 1 open label randomised clinical trials. <i>Lancet Infectious Diseases, The</i> , 2011 , 11, 916-24	25.5	161
57	Flow cytometry reveals that H5N1 vaccination elicits cross-reactive stem-directed antibodies from multiple Ig heavy-chain lineages. <i>Journal of Virology</i> , 2014 , 88, 4047-57	6.6	153
56	Modifications of the human immunodeficiency virus envelope glycoprotein enhance immunogenicity for genetic immunization. <i>Journal of Virology</i> , 2002 , 76, 5357-68	6.6	132
55	Induction of unnatural immunity: prospects for a broadly protective universal influenza vaccine. <i>Nature Medicine</i> , 2010 , 16, 1389-91	50.5	123
54	Comparative efficacy of neutralizing antibodies elicited by recombinant hemagglutinin proteins from avian H5N1 influenza virus. <i>Journal of Virology</i> , 2008 , 82, 6200-8	6.6	121
53	Immunological and virological mechanisms of vaccine-mediated protection against SIV and HIV. <i>Nature</i> , 2014 , 505, 502-8	50.4	120
52	Priming immunization with DNA augments immunogenicity of recombinant adenoviral vectors for both HIV-1 specific antibody and T-cell responses. <i>PLoS ONE</i> , 2010 , 5, e9015	3.7	118
51	Rational design of vaccines to elicit broadly neutralizing antibodies to HIV-1. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2011 , 1, a007278	5.4	114
50	Immunotherapy of malignancy by in vivo gene transfer into tumors. <i>Human Gene Therapy</i> , 1992 , 3, 399-410	4.8	110
49	The development of CD4 binding site antibodies during HIV-1 infection. <i>Journal of Virology</i> , 2012 , 86, 7588-95	6.6	105
48	Neutralizing antibodies elicited by immunization of monkeys with DNA plasmids and recombinant adenoviral vectors expressing human immunodeficiency virus type 1 proteins. <i>Journal of Virology</i> , 2005 , 79, 771-9	6.6	96
47	Prime-boost interval matters: a randomized phase 1 study to identify the minimum interval necessary to observe the H5 DNA influenza vaccine priming effect. <i>Journal of Infectious Diseases</i> , 2013 , 208, 418-22	7	94
46	Immunotherapy for cancer by direct gene transfer into tumors. <i>Human Gene Therapy</i> , 1994 , 5, 57-77	4.8	83
45	Sustained Delivery of a Broadly Neutralizing Antibody in Nonhuman Primates Confers Long-Term Protection against Simian/Human Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2015 , 89, 5895-903	6.6	82
44	Broadly Neutralizing Human Immunodeficiency Virus Type 1 Antibody Gene Transfer Protects Nonhuman Primates from Mucosal Simian-Human Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2015 , 89, 8334-45	6.6	81
43	Next-generation influenza vaccines: opportunities and challenges. <i>Nature Reviews Drug Discovery</i> , 2020 , 19, 239-252	64.1	81

42	Inhibition of the alloantibody response by CD95 ligand. <i>Nature Medicine</i> , 1997 , 3, 843-8	50.5	79
41	The inhibition of pro-apoptotic ICE-like proteases enhances HIV replication. <i>Nature Medicine</i> , 1997 , 3, 333-7	50.5	76
40	Comparative analysis of the magnitude, quality, phenotype, and protective capacity of simian immunodeficiency virus gag-specific CD8+ T cells following human-, simian-, and chimpanzee-derived recombinant adenoviral vector immunization. <i>Journal of Immunology</i> , 2013 , 190, 2720-35	5.3	74
39	Activation and lysis of human CD4 cells latently infected with HIV-1. <i>Nature Communications</i> , 2015 , 6, 8447	17.4	73
38	Antibodies VRC01 and 10E8 neutralize HIV-1 with high breadth and potency even with Ig-framework regions substantially reverted to germline. <i>Journal of Immunology</i> , 2014 , 192, 1100-1106	5.3	73
37	H5N1 Vaccine-Elicited Memory B Cells Are Genetically Constrained by the IGHV Locus in the Recognition of a Neutralizing Epitope in the Hemagglutinin Stem. <i>Journal of Immunology</i> , 2015 , 195, 602-10	5.3	70
36	Protective immunity to lethal challenge of the 1918 pandemic influenza virus by vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15987-91	11.5	69
35	Trispecific antibodies enhance the therapeutic efficacy of tumor-directed T cells through T cell receptor co-stimulation.. <i>Nature Cancer</i> , 2020 , 1, 86-98	15.4	68
34	Mechanism of ad5 vaccine immunity and toxicity: fiber shaft targeting of dendritic cells. <i>PLoS Pathogens</i> , 2007 , 3, e25	7.6	63
33	The need and challenges for development of an Epstein-Barr virus vaccine. <i>Vaccine</i> , 2013 , 31 Suppl 2, B194-6	4.1	62
32	Immunization with Components of the Viral Fusion Apparatus Elicits Antibodies That Neutralize Epstein-Barr Virus in B Cells and Epithelial Cells. <i>Immunity</i> , 2019 , 50, 1305-1316.e6	32.3	57
31	A molecular genetic intervention for AIDS--effects of a transdominant negative form of Rev. <i>Human Gene Therapy</i> , 1994 , 5, 79-92	4.8	56
30	HIV-1 vaccines and adaptive trial designs. <i>Science Translational Medicine</i> , 2011 , 3, 79ps13	17.5	54
29	Elicitation of broadly neutralizing influenza antibodies in animals with previous influenza exposure. <i>Science Translational Medicine</i> , 2012 , 4, 147ra114	17.5	51
28	Differential specificity and immunogenicity of adenovirus type 5 neutralizing antibodies elicited by natural infection or immunization. <i>Journal of Virology</i> , 2010 , 84, 630-8	6.6	48
27	Progress in the rational design of an AIDS vaccine. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2759-65	5.8	47
26	Enhanced exposure of the CD4-binding site to neutralizing antibodies by structural design of a membrane-anchored human immunodeficiency virus type 1 gp120 domain. <i>Journal of Virology</i> , 2009 , 83, 5077-86	6.6	42
25	Systemic immune-checkpoint blockade with anti-PD1 antibodies does not alter cerebral amyloid- β burden in several amyloid transgenic mouse models. <i>Glia</i> , 2018 , 66, 492-504	9	35

24	Outer domain of HIV-1 gp120: antigenic optimization, structural malleability, and crystal structure with antibody VRC-PG04. <i>Journal of Virology</i> , 2013 , 87, 2294-306	6.6	32
23	A respiratory syncytial virus (RSV) F protein nanoparticle vaccine focuses antibody responses to a conserved neutralization domain. <i>Science Immunology</i> , 2020 , 5,	2.8	29
22	Gene-based vaccination with a mismatched envelope protects against simian immunodeficiency virus infection in nonhuman primates. <i>Journal of Virology</i> , 2012 , 86, 7760-70	6.6	29
21	Enhanced induction of intestinal cellular immunity by oral priming with enteric adenovirus 41 vectors. <i>Journal of Virology</i> , 2009 , 83, 748-56	6.6	25
20	Development of a Pan-H1 Influenza Vaccine. <i>Journal of Virology</i> , 2018 , 92,	6.6	25
19	Design of a broadly reactive Lyme disease vaccine. <i>Npj Vaccines</i> , 2020 , 5, 33	9.5	24
18	Decreased pre-existing Ad5 capsid and Ad35 neutralizing antibodies increase HIV-1 infection risk in the Step trial independent of vaccination. <i>PLoS ONE</i> , 2012 , 7, e33969	3.7	21
17	Phase 1 study of pandemic H1 DNA vaccine in healthy adults. <i>PLoS ONE</i> , 2015 , 10, e0123969	3.7	20
16	Direct gene transfer for the understanding and treatment of human disease. <i>Annals of the New York Academy of Sciences</i> , 1994 , 716, 144-53	6.5	19
15	A virus-like particle vaccine prevents equine encephalitis virus infection in nonhuman primates. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	16
14	Combination recombinant simian or chimpanzee adenoviral vectors for vaccine development. <i>Vaccine</i> , 2015 , 33, 7344-7351	4.1	16
13	Broad neutralization of H1 and H3 viruses by adjuvanted influenza HA stem vaccines in nonhuman primates. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	15
12	Local delivery of mRNA-encoded cytokines promotes antitumor immunity and tumor eradication across multiple preclinical tumor models. <i>Science Translational Medicine</i> , 2021 , 13, eabc7804	17.5	14
11	Gene delivery of a modified antibody to A β reduces progression of murine Alzheimer's disease. <i>PLoS ONE</i> , 2019 , 14, e0226245	3.7	11
10	Comparison of adjuvants to optimize influenza neutralizing antibody responses. <i>Vaccine</i> , 2019 , 37, 6208-6220	4.2	10
9	Extrachromosomal human immunodeficiency virus type-1 DNA can initiate a spreading infection of HL-60 cells. <i>Journal of Cellular Biochemistry</i> , 1991 , 45, 366-73	4.7	10
8	Comparative immunogenicity of human immunodeficiency virus particles and corresponding polypeptides in a DNA vaccine. <i>Journal of Virology</i> , 2005 , 79, 626-31	6.6	8
7	A trispecific antibody targeting HER2 and T cells inhibits breast cancer growth via CD4 cells.. <i>Nature</i> , 2022 ,	50.4	8

6	Calories lost--another mediator of cancer cachexia?. <i>Nature Medicine</i> , 1996 , 2, 397-8	50.5	5
5	Liposome Mediated Gene Transfer into Vascular Cells. <i>Journal of Liposome Research</i> , 1993 , 3, 179-199	6.1	4
4	A bivalent Epstein-Barr virus vaccine induces neutralizing antibodies that block infection and confer immunity in humanized mice.. <i>Science Translational Medicine</i> , 2022 , 14, eabf3685	17.5	4
3	Potent anti-viral activity of a trispecific HIV neutralizing antibody in SHIV-infected monkeys.. <i>Cell Reports</i> , 2022 , 38, 110199	10.6	3
2	Report of the Cent Gardes HIV Vaccines Conference. Part 1: The antibody response; Fondation Mérieux Conference Center, Veyrier-du-Lac, France, 25-27 October 2015. <i>Vaccine</i> , 2016 , 34, 3557-61	4.1	1
1	Development of molecular genetic interventions for HIV infection. <i>Current Protocols in Human Genetics</i> , 2001 , Chapter 13, Unit 13.6	3.2	