Yoshimasa Takahashi

List of Publications by Year
in descending order

88 papers	4,555 citations	147566 31 h-index	114278 63 g-index
97 all docs	97 docs citations	97 times ranked	6112 citing authors

#	ARTICLE	IF	CITATIONS
1	Neutralizing-antibody-independent SARS-CoV-2 control correlated with intranasal-vaccine-induced CD8+ TÂcell responses. Cell Reports Medicine, 2022, 3, 100520.	3.3	29
2	Antibody Responses to BNT162b2 Vaccination in Japan: Monitoring Vaccine Efficacy by Measuring IgG Antibodies against the Receptor-Binding Domain of SARS-CoV-2. Microbiology Spectrum, 2022, 10, e0118121.	1.2	15
3	The function of SARS-CoV-2 spike protein is impaired by disulfide-bond disruption with mutation at cysteine-488 and by thiol-reactive N-acetyl-cysteine and glutathione. Biochemical and Biophysical Research Communications, 2022, 597, 30-36.	1.0	20
4	SARS-CoV-2 Omicron-neutralizing memory B cells are elicited by two doses of BNT162b2 mRNA vaccine. Science Immunology, 2022, 7, eabn8590.	5.6	88
5	Longitudinal Analysis of Neutralizing Potency against SARS-CoV-2 in the Recovered Patients after Treatment with or without Favipiravir. Viruses, 2022, 14, 670.	1.5	3
6	Immune evasion and chronological decrease in titer of neutralizing antibody against SARS-CoV-2 and its variants of concerns in COVID-19 patients. Clinical Immunology, 2022, 238, 108999.	1.4	10
7	Vaccination-infection interval determines cross-neutralization potency to SARS-CoV-2 Omicron after breakthrough infection by other variants. Med, 2022, 3, 249-261.e4.	2.2	56
8	Distinct immune cell dynamics correlate with the immunogenicity and reactogenicity of SARS-CoV-2 mRNA vaccine. Cell Reports Medicine, 2022, 3, 100631.	3.3	22
9	Safety and immunogenicity of the Pfizer/BioNTech SARS-CoV-2 mRNA third booster vaccine dose against the BA.1 and BA.2 Omicron variants. Med, 2022, 3, 406-421.e4.	2.2	17
10	Cecal Patches Generate Abundant IgG2b-Bearing B Cells That Are Reactive to Commensal Microbiota. Journal of Immunology Research, 2022, 2022, 1-13.	0.9	0
11	Significant role of host sialylated glycans in the infection and spread of severe acute respiratory syndrome coronavirus 2. PLoS Pathogens, 2022, 18, e1010590.	2.1	18
12	Substantial induction of non-apoptotic CD4 T-cell death during the early phase of HIV-1 infection in a humanized mouse model. Microbes and Infection, 2021, 23, 104767.	1.0	8
13	Majority of alpha2,6-sialylated glycans in the adult mouse brain exist in O-glycans: SALSA-MS analysis for knockout mice of alpha2,6-sialyltransferase genes. Glycobiology, 2021, 31, 557-570.	1.3	6
14	Identification of Two Critical Neutralizing Epitopes in the Receptor Binding Domain of Hepatitis B Virus preS1. Journal of Virology, 2021, 95, .	1.5	8
15	Bim establishes the B-cell repertoire from early to late in the immune response. International Immunology, 2021, 33, 79-90.	1.8	3
16	Tissue-resident CD4 ⁺ T helper cells assist the development of protective respiratory B and CD8 ⁺ T cell memory responses. Science Immunology, 2021, 6, .	5.6	116
17	Myeloid cell dynamics correlating with clinical outcomes of severe COVID-19 in Japan. International Immunology, 2021, 33, 241-247.	1.8	26
18	Development of an Inflammatory CD14+ Dendritic Cell Subset in Humanized Mice. Frontiers in Immunology, 2021, 12, 643040.	2.2	6

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19	MRC5 cells engineered to express ACE2 serve as a model system for the discovery of antivirals targeting SARS-CoV-2. Scientific Reports, 2021, 11, 5376.	1.6	18
20	Incomplete humoral response including neutralizing antibodies in asymptomatic to mild COVID-19 patients in Japan. Virology, 2021, 555, 35-43.	1.1	31
21	Association of <i>HLAâ€‹<scp>DRB1</scp>*09:01</i> with severe <scp>COVID</scp>â€•19. Hla, 2021, 98, 37-42.	0.4	31
22	Mefloquine, a Potent Anti-severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2) Drug as an Entry Inhibitor in vitro. Frontiers in Microbiology, 2021, 12, 651403.	1.5	25
23	Comparative Analysis of Antigen-Specific Antiâ€“SARS-CoV-2 Antibody Isotypes in COVID-19 Patients. Journal of Immunology, 2021, 206, 2393-2401.	0.4	19
24	SCD2-mediated monounsaturated fatty acid metabolism regulates cGAS-STING-dependent type I IFN responses in CD4+ T cells. Communications Biology, 2021, 4, 820.	2.0	21
25	Influenza virus infection expands the breadth of antibody responses through IL-4 signalling in B cells. Nature Communications, 2021, 12, 3789.	5.8	21
26	On-admission SARS-CoV-2 RNAemia as a single potent predictive marker of critical condition development and mortality in COVID-19. PLoS ONE, 2021, 16, e0254640.	1.1	16
27	A SARS-CoV-2 antibody broadly neutralizes SARS-related coronaviruses and variants by coordinated recognition of a virus-vulnerable site. Immunity, 2021, 54, 2385-2398.e10.	6.6	46
28	Temporal maturation of neutralizing antibodies in COVID-19 convalescent individuals improves potency and breadth to circulating SARS-CoV-2 variants. Immunity, 2021, 54, 1841-1852.e4.	6.6	114
29	An influenza HA stalk reactive polymeric IgA antibody exhibits anti-viral function regulated by binary interaction between HA and the antibody. PLoS ONE, 2021, 16, e0245244.	1.1	2
30	RSV infection-elicited high MMP-12â€“producing macrophages exacerbate allergic airway inflammation with neutrophil infiltration. IScience, 2021, 24, 103201.	1.9	14
31	Identification of conserved SARS-CoV-2 spike epitopes that expand public cTfh clonotypes in mild COVID-19 patients. Journal of Experimental Medicine, 2021, 218, .	4.2	24
32	Glycan engineering of the SARS-CoV-2 receptor-binding domain elicits cross-neutralizing antibodies for SARS-related viruses. Journal of Experimental Medicine, 2021, 218, .	4.2	17
33	Diagnosis of NTM active infection in lymphadenopathy patients with anti-interferon-gamma auto-antibody using inhibitory ELISA vs. indirect ELISA. Scientific Reports, 2020, 10, 8968.	1.6	7
34	An anti-perfringolysin O monoclonal antibody cross-reactive with streptolysin O protects against streptococcal toxic shock syndrome. BMC Research Notes, 2020, 13, 419.	0.6	3
35	Stereotyped B-cell response that counteracts antigenic variation of influenza viruses. International Immunology, 2020, 32, 613-621.	1.8	4
36	The role of myeloid cells in prevention and control of group A streptococcal infections. Biosafety and Health, 2020, 2, 130-134.	1.2	2

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37	Standardization of the first Korean national reference standard for snake (Gloydius brevicaudus) antivenom. Toxicological Research, 2020, 36, 407-413.	1.1	4
38	Metformin-induced suppression of IFN-Î± via mTORC1 signalling following seasonal vaccination is associated with impaired antibody responses in type 2 diabetes. Scientific Reports, 2020, 10, 3229.	1.6	33
39	Hide and seek: interplay between influenza viruses and B cells. International Immunology, 2020, 32, 605-611.	1.8	4
40	Better Epitope Discovery, Precision Immune Engineering, and Accelerated Vaccine Design Using Immunoinformatics Tools. Frontiers in Immunology, 2020, 11, 442.	2.2	78
41	Memory B Cells in Local and Systemic Sites. Advances in Experimental Medicine and Biology, 2020, 1254, 55-62.	0.8	5
42	Respiratory syncytial virus infection exacerbates pneumococcal pneumonia via Gas6/Axl-mediated macrophage polarization. Journal of Clinical Investigation, 2020, 130, 3021-3037.	3.9	38
43	Exposure of an occluded hemagglutinin epitope drives selection of a class of cross-protective influenza antibodies. Nature Communications, 2019, 10, 3883.	5.8	28
44	Efficient protection of mice from influenza A/H1N1pdm09 virus challenge infection via high avidity serum antibodies induced by booster immunizations with inactivated whole virus vaccine. Heliyon, 2019, 5, e01113.	1.4	5
45	Requirement for memory B-cell activation in protection from heterologous influenza virus reinfection. International Immunology, 2019, 31, 771-779.	1.8	30
46	Antibodies to a Conserved Influenza Head Interface Epitope Protect by an IgG Subtype-Dependent Mechanism. Cell, 2019, 177, 1124-1135.e16.	13.5	141
47	Influenza Antigen Engineering Focuses Immune Responses to a Subdominant but Broadly Protective Viral Epitope. Cell Host and Microbe, 2019, 25, 827-835.e6.	5.1	127
48	A CCR5+ memory subset within HIV-1-infected primary resting CD4+ T cells is permissive for replication-competent, latently infected viruses in vitro. BMC Research Notes, 2019, 12, 242.	0.6	5
49	A unique nanoparticulate TLR9 agonist enables a HA split vaccine to confer FcÎ³R-mediated protection against heterologous lethal influenza virus infection. International Immunology, 2019, 31, 81-90.	1.8	12
50	Sequential Sensing by TLR2 and Mincle Directs Immature Myeloid Cells to Protect against Invasive Group A Streptococcal Infection in Mice. Cell Reports, 2019, 27, 561-571.e6.	2.9	12
51	Immune-Focusing Properties of Virus-like Particles Improve Protective IgA Responses. Journal of Immunology, 2019, 203, 3282-3292.	0.4	8
52	Boosting of postâ€exposure human Tâ€cell and Bâ€cell recall responses <i>in vivo</i> by <i>Burkholderia pseudomallei</i>â€related proteins. Immunology, 2017, 151, 98-109.	2.0	20
53	A humanized mouse model identifies key amino acids for low immunogenicity of H7N9 vaccines. Scientific Reports, 2017, 7, 1283.	1.6	35
54	Role of germinal centers for the induction of broadly-reactive memory B cells. Current Opinion in Immunology, 2017, 45, 119-125.	2.4	14

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55	Adaptive B Cell Responses to Influenza Virus Infection in the Lung. Viral Immunology, 2017, 30, 431-437.	0.6	15
56	EAF2 mediates germinal centre B-cell apoptosis to suppress excessive immune responses and prevent autoimmunity. Nature Communications, 2016, 7, 10836.	5.8	23
57	Whole-Virion Influenza Vaccine Recalls an Early Burst of High-Affinity Memory B Cell Response through TLR Signaling. Journal of Immunology, 2016, 196, 4172-4184.	0.4	36
58	Regulated selection of germinal-center cells into the memory B cell compartment. Nature Immunology, 2016, 17, 861-869.	7.0	294
59	Sialylation converts arthritogenic IgG into inhibitors of collagen-induced arthritis. Nature Communications, 2016, 7, 11205.	5.8	148
60	Protective neutralizing influenza antibody response in the absence of T follicular helper cells. Nature Immunology, 2016, 17, 1447-1458.	7.0	107
61	Distinct germinal center selection at local sites shapes memory B cell response to viral escape. Journal of Experimental Medicine, 2015, 212, 1709-1723.	4.2	128
62	Oral Administration of Lactobacillus plantarum Strain AYA Enhances IgA Secretion and Provides Survival Protection against Influenza Virus Infection in Mice. PLoS ONE, 2014, 9, e86416.	1.1	94
63	Generation of memory BÂcells inside and outside germinal centers. European Journal of Immunology, 2014, 44, 1258-1264.	1.6	127
64	Epitope Mapping of the Hemagglutinin Molecule of A/(H1N1)pdm09 Influenza Virus by Using Monoclonal Antibody Escape Mutants. Journal of Virology, 2014, 88, 12364-12373.	1.5	61
65	IgA production in the large intestine is modulated by a different mechanism than in the small intestine: Bacteroides acidifaciens promotes IgA production in the large intestine by inducing germinal center formation and increasing the number of IgA+ B cells. Immunobiology, 2013, 218, 645-651.	0.8	123
66	Both mutated and unmutated memory B cells accumulate mutations in the course of the secondary response and develop a new antibody repertoire optimally adapted to the secondary stimulus. International Immunology, 2013, 25, 683-695.	1.8	22
67	Influenza A whole virion vaccine induces a rapid reduction of peripheral blood leukocytes via interferon-Î±-dependent apoptosis. Vaccine, 2013, 31, 2184-2190.	1.7	21
68	Lack of antibody response to Guillainâ€"BarrÃ© syndrome-related gangliosides in mice and men after novel flu vaccination. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 116-117.	0.9	7
69	Memory B cells in the lung participate in protective humoral immune responses to pulmonary influenza virus reinfection. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2485-2490.	3.3	193
70	Distinct cellular pathways select germline-encoded and somatically mutated antibodies into immunological memory. Journal of Experimental Medicine, 2012, 209, 2079-2097.	4.2	237
71	Newly Established Monoclonal Antibodies for Immunological Detection of H5N1 Influenza Virus. Japanese Journal of Infectious Diseases, 2012, 65, 19-27.	0.5	9
72	Inactivated and adjuvanted whole-virion clade 2.3.4 H5N1 pre-pandemic influenza vaccine possesses broad protective efficacy against infection by heterologous clades of highly pathogenic H5N1 avian influenza virus in mice. Vaccine, 2011, 29, 8330-8337.	1.7	11

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73	HIV-1 Nef impairs multiple T-cell functions in antigen-specific immune response in mice. International Immunology, 2011, 23, 433-441.	1.8	2
74	Differential phosphorylation of functional tyrosines in CD19 modulates Bâ€lymphocyte activation. European Journal of Immunology, 2010, 40, 1192-1204.	1.6	18
75	Unique properties of memory B cells of different isotypes. Immunological Reviews, 2010, 237, 104-116.	2.8	49
76	Regulation of antigenâ€receptor gene assembly in hagfish. EMBO Reports, 2010, 11, 126-132.	2.0	34
77	CD22 Expression Mediates the Regulatory Functions of Peritoneal B-1a Cells during the Remission Phase of Contact Hypersensitivity Reactions. Journal of Immunology, 2010, 184, 4637-4645.	0.4	52
78	Protective Immunity Afforded by Inactivated H5N1 (NIBRGâ€14) Vaccine Requires Antibodies against Both Hemagglutinin and Neuraminidase in Mice. Journal of Infectious Diseases, 2009, 199, 1629-1637.	1.9	24
79	<i>Bacteroides</i>Induce Higher IgA Production Than<i>Lactobacillus</i>by Increasing Activation-Induced Cytidine Deaminase Expression in B Cells in Murine Peyerâ€™s Patches. Bioscience, Biotechnology and Biochemistry, 2009, 73, 372-377.	0.6	46
80	Antigen-receptor genes of the agnathan lamprey are assembled by a process involving copy choice. Nature Immunology, 2007, 8, 206-213.	7.0	137
81	Novel Role of the Ras Cascade in Memory B Cell Response. Immunity, 2005, 23, 127-138.	6.6	30
82	Two waves of memory B-cell generation in the primary immune response. International Immunology, 2005, 17, 581-589.	1.8	92
83	Immunological detection of severe acute respiratory syndrome coronavirus by monoclonal antibodies. Japanese Journal of Infectious Diseases, 2005, 58, 88-94.	0.5	18
84	Memory B Cells without Somatic Hypermutation Are Generated from Bcl6-Deficient B Cells. Immunity, 2002, 17, 329-339.	6.6	219
85	Fas Is Required for Clonal Selection in Germinal Centers and the Subsequent Establishment of the Memory B Cell Repertoire. Immunity, 2001, 14, 181-192.	6.6	228
86	Ras Mediates Effector Pathways Responsible for Pre-B Cell Survival, Which Is Essential for the Developmental Progression to the Late Pre-B Cell Stage. Journal of Experimental Medicine, 2000, 192, 171-182.	4.2	49
87	Relaxed Negative Selection in Germinal Centers and Impaired Affinity Maturation in bcl-xL Transgenic Mice. Journal of Experimental Medicine, 1999, 190, 399-410.	4.2	104
88	In Situ Studies of the Primary Immune Response to (4-Hydroxy-3-Nitrophenyl)Acetyl. V. Affinity Maturation Develops in Two Stages of Clonal Selection. Journal of Experimental Medicine, 1998, 187, 885-895.	4.2	307