

# SARS-CoV-2 mRNA vaccines induce broad CD4+ T cell responses to multiple epitopes across ethnic and geographic variants and HCoV-NL63

Journal of Clinical Investigation

131,

DOI: [10.1172/jci149335](https://doi.org/10.1172/jci149335)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Vaccination against SARS-CoV-2 should be included in childhood vaccination programs. <i>International Journal of Infectious Diseases</i> , 2021, 106, 429-430.	3.3	4
6	Human CD4+ T cells specific for dominant epitopes of SARS-CoV-2 Spike and Nucleocapsid proteins with therapeutic potential. <i>Clinical and Experimental Immunology</i> , 2021, 205, 363-378.	2.6	34
7	How long does covid-19 immunity last?. <i>BMJ, The</i> , 2021, 373, n1605.	6.0	36
8	Humoral and Cellular Immune Responses Against Severe Acute Respiratory Syndrome Coronavirus 2 Variants and Human Coronaviruses After Single BNT162b2 Vaccination. <i>Clinical Infectious Diseases</i> , 2021, 73, 2000-2008.	5.8	30
11	Potency of BNT162b2 and mRNA-1273 vaccine-induced neutralizing antibodies against severe acute respiratory syndrome-CoV-2 variants of concern: A systematic review of in vitro studies. <i>Reviews in Medical Virology</i> , 2022, 32, e2277.	8.3	57
13	Human Coronaviruses: Counteracting the Damage by Storm. <i>Viruses</i> , 2021, 13, 1457.	3.3	5
14	The BNT162b2 mRNA Vaccine Elicits Robust Humoral and Cellular Immune Responses in People Living With Human Immunodeficiency Virus (HIV). <i>Clinical Infectious Diseases</i> , 2022, 74, 1268-1270.	5.8	118
18	Assessment of humoral and cellular immunity induced by the BNT162b2 SARS-CoV-2 vaccine in healthcare workers, elderly people, and immunosuppressed patients with autoimmune disease. <i>Immunologic Research</i> , 2021, 69, 576-583.	2.9	34
21	Anti-COVID-19 Vaccination in Patients with Autoimmune-Autoinflammatory Disorders and Primary/Secondary Immunodeficiencies: The Position of the Task Force on Behalf of the Italian Immunological Societies. <i>Biomedicines</i> , 2021, 9, 1163.	3.2	18
23	Rapid growth in the COVID-19 era. <i>MRS Bulletin</i> , 2021, 46, 847-853.	3.5	3
24	Rapid induction of antigen-specific CD4+ T cells is associated with coordinated humoral and cellular immunity to SARS-CoV-2 mRNA vaccination. <i>Immunity</i> , 2021, 54, 2133-2142.e3.	14.3	367
25	Rapid measurement of SARS-CoV-2 spike T cells in whole blood from vaccinated and naturally infected individuals. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	89
26	SARS-CoV-2-specific T cells in infection and vaccination. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2307-2312.	10.5	131
27	Evaluation of the QuantiFERON SARS-CoV-2 interferon- $\gamma$ release assay in mRNA-1273 vaccinated health care workers. <i>Journal of Virological Methods</i> , 2021, 298, 114295.	2.1	37
28	Does immunosuppressive property of non-steroidal anti-inflammatory drugs (NSAIDs) reduce COVID-19 vaccine-induced systemic side effects?. <i>Drug Discoveries and Therapeutics</i> , 2021, 15, 278-280.	1.5	10
29	Heterogeneous Longitudinal Antibody Responses to Covid-19 mRNA Vaccination. <i>BMC Clinical Pathology</i> , 2021, 14, 2632010X2110492.	1.7	9
30	mRNA Vaccine-Elicited Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)-Specific T Cells Persist at 6 Months and Recognize the Delta Variant. <i>Clinical Infectious Diseases</i> , 2022, 75, e898-e901.	5.8	25
31	Transient increase in plasma HIV RNA after COVID-19 vaccination with mRNA-1272. <i>International Journal of Infectious Diseases</i> , 2021, 113, 125-126.	3.3	13

#	ARTICLE	IF	CITATIONS
32	mRNA vaccine-induced T cells respond identically to SARS-CoV-2 variants of concern but differ in longevity and homing properties depending on prior infection status. <i>ELife</i> , 2021, 10, .	6.0	63
33	COVID-19 Vaccination and Glomerulonephritis. <i>Kidney International Reports</i> , 2021, 6, 2969-2978.	0.8	135
35	Response to Mishra et al. re "Postinfectious Immunity After COVID-19 and Vaccination Against SARS-CoV-2". <i>Viral Immunology</i> , 2021, 34, 659-660.	1.3	0
36	Discordant humoral and T cell immune responses to SARS-CoV-2 vaccination in people with multiple sclerosis on anti-CD20 therapy. <i>EBioMedicine</i> , 2021, 73, 103636.	6.1	85
37	Immune Responses to a Single Dose of the AZD1222/Covishield Vaccine at 16 Weeks in Individuals in Sri Lanka. <i>Journal of Immunology</i> , 2021, 207, 2681-2687.	0.8	4
38	BNT162b2 vaccination induces durable SARS-CoV-2-specific T cells with a stem cell memory phenotype. <i>Science Immunology</i> , 2021, 6, eabl5344.	11.9	166
39	The Importance of RNA-Based Vaccines in the Fight against COVID-19: An Overview. <i>Vaccines</i> , 2021, 9, 1345.	4.4	22
40	Nature of Acquired Immune Responses, Epitope Specificity and Resultant Protection from SARS-CoV-2. <i>Journal of Personalized Medicine</i> , 2021, 11, 1253.	2.5	3
41	Long-Lasting Immunity Against SARS-CoV-2: Dream or Reality?. <i>Frontiers in Medicine</i> , 2021, 8, 770381.	2.6	14
42	Immunogenicity of the mRNA-1273 Vaccine in the Phase 3 COVE Trial. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
43	Mitigating Covid-19 in the face of emerging virus variants, breakthrough infections and vaccine hesitancy. <i>Journal of Autoimmunity</i> , 2022, 127, 102792.	6.5	96
44	Third dose of anti-SARS-CoV-2 vaccine for patients with cancer: Should humoral responses be monitored? A position article. <i>European Journal of Cancer</i> , 2022, 162, 182-193.	2.8	40
46	CD4+ T cells from COVID-19 mRNA vaccine recipients recognize a conserved epitope present in diverse coronaviruses. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	16
48	TNF±-Producing CD4 <sup>+</sup> T Cells Dominate the SARS-CoV-2-Specific T Cell Response in COVID-19 Outpatients and Are Associated with Durable Antibodies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
50	Large-Scale Structure-Based Screening of Potential T Cell Cross-Reactivities Involving Peptide-Targets From BCG Vaccine and SARS-CoV-2. <i>Frontiers in Immunology</i> , 2021, 12, 812176.	4.8	10
51	The T cell immune response against SARS-CoV-2. <i>Nature Immunology</i> , 2022, 23, 186-193.	14.5	785
52	Accuracy and real life performance of a novel interferon-γ release assay for the detection of SARS-CoV2 specific T cell response. <i>Journal of Clinical Virology</i> , 2022, 148, 105098.	3.1	24
53	Adaptive immune responses in vaccinated patients with symptomatic SARS-CoV-2 Alpha infection. <i>JCI Insight</i> , 2022, 7, .	5.0	12

#	ARTICLE	IF	CITATIONS
54	Peculiarities of the T Cell Immune Response in COVID-19. <i>Vaccines</i> , 2022, 10, 242.	4.4	24
55	The germinal centre B cell response to SARS-CoV-2. <i>Nature Reviews Immunology</i> , 2022, 22, 7-18.	22.7	150
58	The Journal of Clinical Investigation in the time of COVID-19. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	2
59	Large inter-individual variability of cellular and humoral immunological responses to mRNA-1273 (Moderna) vaccination against SARS-CoV-2 in health care workers. <i>Clinical and Experimental Vaccine Research</i> , 2022, 11, 96.	2.2	3
60	Humoral and cellular responses after a third dose of SARS-CoV-2 BNT162b2 vaccine in patients with lymphoid malignancies. <i>Nature Communications</i> , 2022, 13, 864.	12.8	72
61	Progress and Challenges Toward Generation and Maintenance of Long-Lived Memory T Lymphocyte Responses During COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 804808.	4.8	7
62	Comparison of Seroconversion in Children and Adults With Mild COVID-19. <i>JAMA Network Open</i> , 2022, 5, e221313.	5.9	55
63	Cellular Immunityâ€™The Key to Long-Term Protection in Individuals Recovered from SARS-CoV-2 and after Vaccination. <i>Vaccines</i> , 2022, 10, 442.	4.4	21
64	Immunogenicity mechanism of mRNA vaccines and their limitations in promoting adaptive protection against SARS-CoV-2. <i>PeerJ</i> , 2022, 10, e13083.	2.0	14
65	Neutralizing Activities Against the Omicron Variant After a Heterologous Booster in Healthy Adults Receiving Two Doses of CoronaVac Vaccination. <i>Journal of Infectious Diseases</i> , 2022, 226, 1372-1381.	4.0	41
66	Sex, Age, and Ethnic Background Shape Adaptive Immune Responses Induced by the SARS-CoV-2 mRNA Vaccine. <i>Frontiers in Immunology</i> , 2022, 13, 786586.	4.8	13
67	Rituximabâ€™treated patients with lymphoma develop strong <sc>CD8</sc> Tâ€™cell responses following <sc>COVID</sc>â€™19 vaccination. <i>British Journal of Haematology</i> , 2022, 197, 697-708.	2.5	22
68	Establishment and recall of SARS-CoV-2 spike epitope-specific CD4+ T cell memory. <i>Nature Immunology</i> , 2022, 23, 768-780.	14.5	41
69	Minimal Crossover between Mutations Associated with Omicron Variant of SARS-CoV-2 and CD8<sup>+</sup> T-Cell Epitopes Identified in COVID-19 Convalescent Individuals. <i>MBio</i> , 2022, 13, e0361721.	4.1	67
70	Cellular and Humoral Immune Responses to SARS-CoV-2 Vaccination in Inflammatory Bowel Disease Patients. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 1347-1353.	1.3	8
71	Waning immune responses against SARS-CoV-2 variants of concern among vaccinees in Hong Kong. <i>EBioMedicine</i> , 2022, 77, 103904.	6.1	93
72	In the shadow of antibodies: how T cells defend against COVID-19. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 757-759.	0.9	2
73	SARS-CoV-2â€™specific immune responses in boosted vaccine recipients with breakthrough infections during the Omicron variant surge. <i>JCI Insight</i> , 2022, 7, .	5.0	15

#	ARTICLE	IF	CITATIONS
74	SARS-CoV-2 infections in mRNA vaccinated individuals are biased for viruses encoding spike E484K and associated with reduced infectious virus loads that correlate with respiratory antiviral IgG levels. <i>Journal of Clinical Virology</i> , 2022, 150-151, 105151.	3.1	11
75	Cross-reactive and mono-reactive SARS-CoV-2 CD4+ T cells in prepandemic and COVID-19 convalescent individuals. <i>PLoS Pathogens</i> , 2021, 17, e1010203.	4.7	24
76	Elucidating T Cell and B Cell Responses to SARS-CoV-2 in Humans: Gaining Insights into Protective Immunity and Immunopathology. <i>Cells</i> , 2022, 11, 67.	4.1	7
78	Immune response to SARS-CoV-2 vaccination in relation to peripheral immune cell profiles among patients with multiple sclerosis receiving ocrelizumab. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 978-985.	1.9	17
79	Discordant Antibody and T-Cell Responses to the Severe Acute Respiratory Syndrome Coronavirus 2 Omicron Variant in Coronavirus Disease 2019 Messenger RNA Vaccine Recipients. <i>Clinical Infectious Diseases</i> , 2022, 75, 1652-1654.	5.8	4
80	TNF-Î±+ CD4+ TÂ cells dominate the SARS-CoV-2 specific T cell response in COVID-19 outpatients and are associated with durable antibodies. <i>Cell Reports Medicine</i> , 2022, 3, 100640.	6.5	15
81	Severe COVID-19 is a T cell immune dysregulatory disorder triggered by SARS-CoV-2. <i>Expert Review of Clinical Immunology</i> , 2022, 18, 557-565.	3.0	10
82	Adaptive Immune Responses and Immunity to SARS-CoV-2. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	39
83	Humoral Immunogenicity of the mRNA-1273 Vaccine in the Phase 3 Coronavirus Efficacy (COVE) Trial. <i>Journal of Infectious Diseases</i> , 2022, 226, 1731-1742.	4.0	8
84	SARS-CoV-2 vaccination diversifies the CD4+ spike-reactive T cell repertoire in patients with prior SARS-CoV-2 infection. <i>EBioMedicine</i> , 2022, 80, 104048.	6.1	12
85	BNT162b2-induced memory T cells respond to the Omicron variant with preserved polyfunctionality. <i>Nature Microbiology</i> , 2022, 7, 909-917.	13.3	41
86	Kinetics of cellular and humoral responses to third BNT162B2 COVID-19 vaccine over six months in heart transplant recipients â€” implications for the omicron variant. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 1417-1425.	0.6	10
87	An Update on Protective Effectiveness of Immune Responses After Recovery From COVID-19. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	7
88	The past, current and future epidemiological dynamic of SARS-CoV-2. <i>Oxford Open Immunology</i> , 2022, 3, .	2.8	24
89	Antibody and T cell responses to COVID-19 vaccination in patients receiving anticancer therapies. , 2022, 10, e004766.		11
90	Longitudinal Assessment of SARS-CoV-2-Specific T Cell Cytokine-Producing Responses for 1 Year Reveals Persistence of Multicytokine Proliferative Responses, with Greater Immunity Associated with Disease Severity. <i>Journal of Virology</i> , 2022, 96, .	3.4	19
91	Comment on â€œMultibacillary leprosy unmasked by COVID-19 vaccinationâ€. <i>JAAD Case Reports</i> , 2022, 26, 1-2.	0.8	0
92	Longitudinal T Cell Responses against Ancestral, Delta, and Omicron SARS-CoV-2 Variants Determined by Rapid Cytokine Release Assay in Whole Blood. <i>ImmunoHorizons</i> , 2022, 6, 398-407.	1.8	0

#	ARTICLE	IF	CITATIONS
93	Immunological memory to SARS-CoV-2 infection and COVID-19 vaccines. <i>Immunological Reviews</i> , 2022, 310, 27-46.	6.0	137
94	Single-cell profiling of the antigen-specific response to BNT162b2 SARS-CoV-2 RNA vaccine. <i>Nature Communications</i> , 2022, 13, .	12.8	28
95	Cellular immunity in patients with COVID-19: molecular biology, pathophysiology, and clinical implications. <i>Journal of Clinical Practice</i> , 2022, 13, 66-87.	0.6	1
96	Cell Squeeze: driving more effective CD8 T-cell activation through cytosolic antigen delivery. <i>Immuno-Oncology Technology</i> , 2022, 16, 100091.	0.3	4
97	Robust SARS-CoV-2-specific T-cell immune memory persists long-term in immunocompetent individuals post BNT162b2 double shot. <i>Heliyon</i> , 2022, 8, e09863.	3.2	5
98	Heterologous immunity induced by 1st generation COVID-19 vaccines and its role in developing a pan-coronavirus vaccine. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4
99	Heterologous immunization with adenovirus vectored and inactivated vaccines effectively protects against SARS-CoV-2 variants in mice and macaques. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	2
100	Innate immune responses to three doses of the BNT162b2 mRNA SARS-CoV-2 vaccine. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	13
101	Immunogenicity of COVID-19 vaccines in chronic liver disease patients and liver transplant recipients: A systematic review and meta-analysis. <i>Liver International</i> , 2023, 43, 34-48.	3.9	14
102	SARS-CoV-2 immunity and vaccine strategies in people with HIV. <i>Oxford Open Immunology</i> , 2022, 3, .	2.8	12
104	T-Cell Responses Induced by an Intradermal BNT162b2 mRNA Vaccine Booster Following Primary Vaccination with Inactivated SARS-CoV-2 Vaccine. <i>Vaccines</i> , 2022, 10, 1494.	4.4	6
105	SARS-CoV-2 antibodies and breakthrough infections in the Virus Watch cohort. <i>Nature Communications</i> , 2022, 13, .	12.8	37
106	Development of SARS-CoV-2 animal vaccines using a stable and efficient NDV expression system. <i>Journal of Medical Virology</i> , 2023, 95, .	5.0	2
107	Comparing the B and T cell-mediated immune responses in patients with type 2 diabetes receiving mRNA or inactivated COVID-19 vaccines. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	12
108	Naturally occurring spike mutations influence the infectivity and immunogenicity of SARS-CoV-2. , 2022, 19, 1302-1310.		17
109	Keeping T cell memories in mind. <i>Trends in Immunology</i> , 2022, 43, 1018-1031.	6.8	3
110	Seasonal respiratory virus circulation was diminished during the COVID-19 pandemic. <i>Influenza and Other Respiratory Viruses</i> , 2023, 17, .	3.4	4
111	A systemic review of T-cell epitopes defined from the proteome of SARS-CoV-2. <i>Virus Research</i> , 2023, 324, 199024.	2.2	5

#	ARTICLE	IF	CITATIONS
112	In Silico Screening of Prospective MHC Class I and II Restricted T-Cell Based Epitopes of the Spike Protein of SARS-CoV-2 for Designing of a Peptide Vaccine for COVID-19. <i>Covid</i> , 2022, 2, 1731-1747.	1.5	1
113	Early CD4+ T cell responses induced by the BNT162b2 SARS-CoV-2 mRNA vaccine predict immunological memory. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
114	Quality of T-Cell Response to SARS-CoV-2 mRNA Vaccine in ART-Treated PLWH. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14988.	4.1	8
115	How Protective are Antibodies to SARS-CoV-2, the Main Weapon of the B-Cell Response?. <i>Stem Cell Reviews and Reports</i> , 0, , .	3.8	2
116	Factors Associated With Vaccine-Induced T-Cell Immune Responses Against Severe Acute Respiratory Syndrome Coronavirus 2 in Kidney Transplant Recipients. <i>Journal of Infectious Diseases</i> , 0, , .	4.0	4
117	Evaluation of Cellular Responses to ChAdOx1-nCoV-19 and BNT162b2 Vaccinations. <i>Annals of Laboratory Medicine</i> , 2023, 43, 290-294.	2.5	1
118	Multipolymer microsphere delivery of SARS-CoV-2 antigens. <i>Acta Biomaterialia</i> , 2023, 158, 493-509.	8.3	4
120	Humoral and T-cell mediated response after administration of mRNA vaccine BNT162b2 in frail populations. <i>Vaccine: X</i> , 2022, 12, 100246.	2.1	3
121	A first-in-human trial on the safety and immunogenicity of COVID-eVax, a cellular response-skewed DNA vaccine against COVID-19. <i>Molecular Therapy</i> , 2023, 31, 788-800.	8.2	8
122	Mouse models susceptible to HCoV-229E and HCoV-NL63 and cross protection from challenge with SARS-CoV-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.1	7
123	Longitudinal monitoring of mRNA-vaccine-induced immunity against SARS-CoV-2. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	5
124	Persistence of Immune Response Elicited by Three Doses of mRNA Vaccine against SARS-CoV-2 in a Cohort of Patients with Solid Tumors: A One-Year Follow-Up. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6731.	4.1	5
125	T Cell Responses to SARS-CoV-2. <i>Annual Review of Immunology</i> , 2023, 41, 343-373.	21.8	48
126	mRNA vaccines: The future of prevention of viral infections?. <i>Journal of Medical Virology</i> , 2023, 95, .	5.0	24
128	A Beta Strain-Based Spike Glycoprotein Vaccine Candidate Induces Broad Neutralization and Protection against SARS-CoV-2 Variants of Concern. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	1
130	mRNA melanoma vaccine revolution spurred by the COVID-19 pandemic. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	3
131	Bivalent COVID-19 Vaccines: Can the Original Antigenic Sin Be Forgiven?. <i>Journal of Infectious Diseases</i> , 2023, 227, 1221-1223.	4.0	2
132	Pre-existing humoral immunity and CD4+ T cell response correlate with cross-reactivity against SARS-CoV-2 Omicron subvariants after heterologous prime-boost vaccination. <i>Clinical Immunology</i> , 2023, 251, 109342.	3.2	0



#	ARTICLE	IF	CITATIONS
133	Determinants of humoral and cellular immune responses to three doses of mRNA SARS-CoV-2 vaccines in older adults: a longitudinal cohort study. <i>The Lancet Healthy Longevity</i> , 2023, 4, e188-e199.	4.6	5
134	Sustained cell-mediated but not humoral responses in rituximab-treated rheumatic patients after vaccination against SARS-CoV-2. <i>Rheumatology</i> , 2024, 63, 534-541.	1.9	1
135	Third and Fourth Vaccine Doses Broaden and Prolong Immunity to SARS-CoV-2 in Adult Patients with Immune-Mediated Inflammatory Diseases. <i>Journal of Immunology</i> , 2023, 211, 351-364.	0.8	8
136	Humoral and Cellular Response and Associated Variables Nine Months following BNT162b2 Vaccination in Healthcare Workers. <i>Journal of Clinical Medicine</i> , 2023, 12, 3172.	2.4	1
137	SARS-CoV-2 bivalent mRNA vaccine with broad protection against variants of concern. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	1
138	Immunogenicity and reactogenicity of inactivated SARS-CoV-2 vaccines in healthy adults. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	0
139	Immunopeptidome profiling of human coronavirus OC43-infected cells identifies CD4 T-cell epitopes specific to seasonal coronaviruses or cross-reactive with SARS-CoV-2. <i>PLoS Pathogens</i> , 2023, 19, e1011032.	4.7	1
140	A unique cytotoxic CD4 <sup>+</sup> T cell signature defines critical COVID-19. <i>Clinical and Translational Immunology</i> , 2023, 12, .	3.8	0
141	Immunogenicity and Efficacy of Vaccination in People Living with Human Immunodeficiency Virus. <i>Viruses</i> , 2023, 15, 1844.	3.3	0
142	A Paratope-Enhanced Method to Determine Breadth and Depth TCR Clonal Metrics of the Private Human T-Cell Vaccine Response after SARS-CoV-2 Vaccination. <i>International Journal of Molecular Sciences</i> , 2023, 24, 14223.	4.1	0
143	T cell responses to SARS-COV-2. <i>Progress in Molecular Biology and Translational Science</i> , 2023, , .	1.7	0
144	Insights into the T-cell response to SARS-CoV-2. <i>European Journal of Inflammation</i> , 2023, 21, .	0.5	0
145	A quest for universal anti-SARS-CoV-2 T cell assay: systematic review, meta-analysis, and experimental validation. <i>Npj Vaccines</i> , 2024, 9, .	6.0	0
146	People who use drugs show no increase in pre-existing T-cell cross-reactivity toward SARS-CoV-2 but develop a normal polyfunctional T-cell response after standard mRNA vaccination. <i>Frontiers in Immunology</i> , 0, 14, .	4.8	0
148	Omicron BA.2 breakthrough infection elicits CD8 <sup>+</sup> T cell responses recognizing the spike of later Omicron subvariants. <i>Science Immunology</i> , 2024, 9, .	11.9	1
149	Immunogenicity and Tolerance of BNT162b2 mRNA Vaccine in Allogeneic Hematopoietic Stem Cell Transplant Patients. <i>Vaccines</i> , 2024, 12, 174.	4.4	0
150	Omicron BA.4/5 neutralization and cell-mediated immune responses in relation to baseline immune status and breakthrough infection among PLWH: A follow-up cohort study. <i>Journal of Medical Virology</i> , 2024, 96, .	5.0	0
151	Current Understanding of the Immune Response after COVID-19 Vaccination. <i>Vaccines</i> , 2024, 12, 250.	4.4	0



#	ARTICLE	IF	CITATIONS
152	Bivalent mRNA COVID vaccines elicit predominantly cross-reactive CD4+ T <sup>H</sup> cell clonotypes. Cell Reports Medicine, 2024, 5, 101442.	6.5	0
153	The Influence of Cross-Reactive T Cells in COVID-19. Biomedicines, 2024, 12, 564.	3.2	0
154	A Cocktail of Lipid Nanoparticle-mRNA Vaccines Broaden Immune Responses against $\hat{1}^2$ -Coronaviruses in a Murine Model. Viruses, 2024, 16, 484.	3.3	0