Homologous and Heterologous Covid-19 Booster Vaccin

New England Journal of Medicine 386, 1046-1057

DOI: 10.1056/nejmoa2116414

Citation Report

#	Article	IF	CITATIONS
1	Are COVID-19 Vaccine Boosters Needed? The Science behind Boosters. Journal of Virology, 2022, 96, JVI0197321.	3.4	35
3	Adenovirus-based vaccines—a platform for pandemic preparedness against emerging viral pathogens. Molecular Therapy, 2022, 30, 1822-1849.	8.2	24
4	Differential immunogenicity of homologous versus heterologous boost in Ad26.COV2.S vaccine recipients. Med, 2022, 3, 104-118.e4.	4.4	38
5	Effectiveness of Homologous or Heterologous Covid-19 Boosters in Veterans. New England Journal of Medicine, 2022, 386, 1375-1377.	27.0	57
7	Heterologous versus homologous triple anti-COVID-19 vaccine regimens in patients on maintenance haemodialysis. Nephrology Dialysis Transplantation, 2022, 37, 1384-1386.	0.7	7
12	SARS-CoV-2 mRNA Vaccination in People with Multiple Sclerosis Treated with Fingolimod: Protective Humoral Immune Responses May Develop after the Preferred Third Shot. Vaccines, 2022, 10, 341.	4.4	10
13	Protection Duration of COVID-19 Vaccines: Waning Effectiveness and Future Perspective. Frontiers in Microbiology, 2022, 13, 828806.	3.5	17
16	Enhanced SARS-CoV-2 Antibody Response After a Third Heterologous Vector Vaccine Ad26COVS1 Dose in mRNA Vaccine-Primed Kidney Transplant Recipients. Transplant International, 2022, 35, 10357.	1.6	10
17	Boosting with variant-matched or historical mRNA vaccines protects against Omicron infection in mice. Cell, 2022, 185, 1572-1587.e11.	28.9	71
18	Antibody and T Cell Responses against SARS-CoV-2 Elicited by the Third Dose of BBIBP-CorV (Sinopharm) and BNT162b2 (Pfizer-BioNTech) Vaccines Using a Homologous or Heterologous Booster Vaccination Strategy. Vaccines, 2022, 10, 539.	4.4	24
19	The Impact of Evolving SARS-CoV-2 Mutations and Variants on COVID-19 Vaccines. MBio, 2022, 13, e0297921.	4.1	117
20	COVID-19 immunisation in older people. The Lancet Healthy Longevity, 2022, 3, e126-e127.	4.6	1
21	Vaccine protection against the SARS-CoV-2 Omicron variant in macaques. Cell, 2022, 185, 1549-1555.e11.	28.9	59
22	Current evidence on efficacy of COVIDâ€19 booster dose vaccination against the Omicron variant: A systematic review. Journal of Medical Virology, 2022, 94, 2969-2976.	5.0	191
23	COVID-19 Vaccines in Older Adults. Clinics in Geriatric Medicine, 2022, 38, 605-620.	2.6	10
27	Vaccination and immunotherapies in neuroimmunological diseases. Nature Reviews Neurology, 2022, 18, 289-306.	10.1	27
28	Immune response and safety of heterologous ChAdOx1-nCoV-19/mRNA-1273 vaccination compared with homologous ChAdOx1-nCoV-19 or homologous mRNA-1273 vaccination. Journal of the Formosan Medical Association, 2022, 121, 766-777.	1.7	22
29	Safety and Immunogenicity of a Booster Vaccination by CoronaVac or BNT162b2 in Previously Two-Dose Inactivated Virus Vaccinated Individuals with Negative Neutralizing Antibody. Vaccines, 2022, 10, 556.	4.4	9

#	ARTICLE	IF	CITATIONS
32	Effectiveness of Homologous and Heterologous COVID-19 Booster Doses Following 1 Ad.26.COV2.S (Janssen [Johnson & Samp; Johnson]) Vaccine Dose Against COVID-19–Associated Emergency Department and Urgent Care Encounters and Hospitalizations Among Adults — VISION Network, 10 States, December 2021–March 2022. Morbidity and Mortality Weekly Report, 2022, 71, 495-502.	15.1	35
33	Strategies and safety considerations of booster vaccination in COVID-19. Bosnian Journal of Basic Medical Sciences, 2022, , .	1.0	5
34	Common Variable Immunodeficiency Associated with a De Novo IKZF1 Variant and a Low Humoral Immune Response to the SARS-CoV-2 Vaccine. Journal of Clinical Medicine, 2022, 11, 2303.	2.4	4
37	Comparison of Safety of Different Vaccine Boosters Following Two-Dose Inactivated Vaccines: A Parallel Controlled Prospective Study. Vaccines, 2022, 10, 622.	4.4	4
38	Dynamic of anti-spike receptor binding domain (RBD) levels and short-term adverse events following a heterologous booster dose of BNT162b2 after two doses of CoronaVac in Thai health care workers. Vaccine, 2022, 40, 2915-2924.	3.8	5
39	Accelerating clinical trial development in vaccinology: COVID-19 and beyond. Current Opinion in Immunology, 2022, 76, 102206.	5.5	4
40	Heterologous Ad.26.COV2.S versus homologous BNT162b2/mRNA-1273 as a third dose in solid organ transplant recipients seronegative after two-dose mRNA vaccination. American Journal of Transplantation, 2022, 22, 2254-2260.	4.7	16
41	Two-Dose Severe Acute Respiratory Syndrome Coronavirus 2 Vaccine Effectiveness With Mixed Schedules and Extended Dosing Intervals: Test-Negative Design Studies From British Columbia and Quebec, Canada. Clinical Infectious Diseases, 2022, 75, 1980-1992.	5.8	92
43	Durability of BNT162b2 vaccine against hospital and emergency department admissions due to the omicron and delta variants in a large health system in the USA: a test-negative case–control study. Lancet Respiratory Medicine,the, 2022, 10, 689-699.	10.7	108
45	Booster COVID-19 Vaccines for Immune-Mediated Inflammatory Disease Patients: A Systematic Review and Meta-Analysis of Efficacy and Safety. Vaccines, 2022, 10, 668.	4.4	13
46	Antibody Response of Heterologous vs Homologous Messenger RNA Vaccine Boosters Against the Severe Acute Respiratory Syndrome Coronavirus 2 Omicron Variant: Interim Results from the PRIBIVAC Study, a Randomized Clinical Trial. Clinical Infectious Diseases, 2022, 75, 2088-2096.	5.8	23
47	Heterologous COVID-19 Booster Vaccination in the Chronic Disorder of Consciousness: A Pilot Study. Clinics and Practice, 2022, 12, 318-325.	1.4	1
48	Frequency and Nuisance Level of Adverse Events in Individuals Receiving Homologous and Heterologous COVID-19 Booster Vaccine. Vaccines, 2022, 10, 754.	4.4	10
49	Vaccine-induced T-cell responses against SARS-CoV-2 and its Omicron variant in patients with B cell–depleted lymphoma after CART therapy. Blood, 2022, 140, 152-156.	1.4	17
50	Serial Cardiovascular Magnetic Resonance Studies Prior to and After mRNA-Based COVID-19 Booster Vaccination to Assess Booster-Associated Cardiac Effects. Frontiers in Cardiovascular Medicine, 2022, 9, 877183.	2.4	2
51	Homologous or heterogenous vaccination boosters enhance neutralizing activities against SARSâ€CoVâ€2 Omicron BA.1 variant. MedComm, 2022, 3, e143.	7.2	3
53	Influence of a Heterologous (ChAdOx1-nCoV-19/BNT162b2) or Homologous (BNT162b2/BNT162b2) Vaccination Regimen on the Antibody and T Cell Response to a Third Vaccination with BNT162b2. Vaccines, 2022, 10, 788.	4.4	2
54	At Least Three Doses of Leading Vaccines Essential for Neutralisation of SARS-CoV-2 Omicron Variant. Frontiers in Immunology, 2022, 13, .	4.8	11

#	Article	IF	CITATIONS
57	Effectiveness of Homologous and Heterologous Covid-19 Boosters against Omicron. New England Journal of Medicine, 2022, 386, 2433-2435.	27.0	36
58	Safety and immunogenicity of heterologous boost immunization with an adenovirus type-5-vectored and protein-subunit-based COVID-19 vaccine (Convidecia/ZF2001): A randomized, observer-blinded, placebo-controlled trial. PLoS Medicine, 2022, 19, e1003953.	8.4	27
59	Humoral and cellular immune memory to four COVID-19 vaccines. Cell, 2022, 185, 2434-2451.e17.	28.9	289
60	Immunogenicity and Safety of Homologous and Heterologous Prime–Boost Immunization with COVID-19 Vaccine: Systematic Review and Meta-Analysis. Vaccines, 2022, 10, 798.	4.4	20
61	Vaccination against the new coronavirus infection SARS-CoV-2. The current state of the problem. Russian Pediatric Journal, 2022, 25, 139-146.	0.2	0
62	Strong response after fourth dose of mRNA COVID-19 vaccine in autoimmune rheumatic diseases patients with poor response to inactivated vaccine. Rheumatology, 2022, 62, 480-485.	1.9	11
64	Effectiveness of Heterologous Coronavirus Disease 2019 (COVID-19) Vaccine Booster Dosing in Brazilian Healthcare Workers, 2021. Clinical Infectious Diseases, 2023, 76, e360-e366.	5.8	21
65	Immunogenicity and Reactogenicity of the Booster Dose of COVID-19 Vaccines and Related Factors: A Panel Study from the General Population in Serbia. Vaccines, 2022, 10, 838.	4.4	8
66	Effectiveness of mRNA vaccine boosters against infection with the SARS-CoV-2 omicron (B.1.1.529) variant in Spain: a nationwide cohort study. Lancet Infectious Diseases, The, 2022, 22, 1313-1320.	9.1	58
67	Correlates of protection against <scp>SARS</scp> â€ <scp>CoV</scp> â€2 infection and COVIDâ€19 disease. Immunological Reviews, 2022, 310, 6-26.	6.0	138
68	Immunogenicity and safety of NVSI-06-07 as a heterologous booster after priming with BBIBP-CorV: a phase 2 trial. Signal Transduction and Targeted Therapy, 2022, 7, .	17.1	21
69	A <scp>singleâ€center COVID</scp> â€19 <scp>vaccine experience with CoronaVac and BNT162b2 in familial Mediterranean fever patients</scp> . International Journal of Rheumatic Diseases, 2022, 25, 787-794.	1.9	4
70	Comparison of anti-SARS-CoV-2 IgG and IgA antibody responses post complete vaccination, 7 months later and after 3rd dose of the BNT162b2 vaccine in healthy adults. Journal of Clinical Virology, 2022, 152, 105193.	3.1	12
71	A Case Report of MPO-ANCA-Associated Vasculitis Following Heterologous mRNA1273 COVID-19 Booster Vaccination. Journal of Korean Medical Science, 2022, 37, .	2.5	14
72	Humoral and Cellular Immune Response After a 3-Dose Heterologous SARS-CoV-2 Vaccination Using the mRNA-BNT162b2 and Viral Vector Ad26COVS1 Vaccine in Hemodialysis Patients. Frontiers in Immunology, 0, 13, .	4.8	7
73	Vaccine Effectiveness of CanSino (Adv5-nCoV) Coronavirus Disease 2019 (COVID-19) Vaccine Among Childcare Workers—Mexico, March–December 2021. Clinical Infectious Diseases, 2022, 75, S167-S173.	5.8	7
74	Rapid decline in vaccine-boosted neutralizing antibodies against SARS-CoV-2 Omicron variant. Cell Reports Medicine, 2022, 3, 100679.	6.5	100
76	Omicron-specific mRNA vaccination alone and as a heterologous booster against SARS-CoV-2. Nature Communications, 2022, 13, .	12.8	40

#	Article	IF	CITATIONS
77	BNT162b2 Booster Vaccination Induced Immunity against SARS-CoV-2 Variants among Hemodialysis Patients. Vaccines, 2022, 10, 967.	4.4	12
78	Promising Efficacy of a Third Dose of mRNA SARS-CoV-2 Vaccination in Patients Treated with Anti-CD20 Antibody Who Failed 2-Dose Vaccination. Vaccines, 2022, 10, 965.	4.4	5
79	Immunological memory to <scp>SARSâ€CoV</scp> â€2 infection and <scp>COVID</scp> â€19 vaccines. Immunological Reviews, 2022, 310, 27-46.	6.0	137
80	A Brighton Collaboration standardized template with key considerations for a benefit/risk assessment for the Moderna COVID-19 Vaccine (mRNA-1273). Vaccine, 2022, 40, 5275-5293.	3.8	3
81	Immunogenicity and Reactogenicity of Ad26.COV2.S in Korean Adults: A Prospective Cohort Study. Journal of Korean Medical Science, 2022, 37, .	2.5	1
84	Booster vaccination against SARS-CoV-2: current challenges and solutions. Complex Issues of Cardiovascular Diseases, 2022, 11, 196-203.	0.5	3
85	Protocol of an Exploratory Single-Arm Study to Evaluate the Safety and Immunogenicity of KD-414 as a Booster Vaccine for SARS-CoV-2 in Healthy Adults (KAPIVARA). Life, 2022, 12, 966.	2.4	4
86	Risk factors and incidence rates of COVID-19 breakthrough infections in vaccinated people with vaccine booster in general medicine, Toledo (Spain), for the period December 2021 to February 2022. Archives of Community Medicine and Public Health, 2022, 8, 084-091.	0.2	0
87	Immunogenicity and Safety of Beta-Adjuvanted Recombinant Booster Vaccine. New England Journal of Medicine, 2022, 387, 374-376.	27.0	44
88	The humoral response and antibodies against SARS-CoV-2 infection. Nature Immunology, 2022, 23, 1008-1020.	14.5	84
89	Immunogenicity and efficacy of Ad26. <scp>COV2</scp> .S: An adenoviral vector–based <scp>COVID</scp> â€19 vaccine. Immunological Reviews, 2022, 310, 47-60.	6.0	10
90	Third booster vaccination and stopping the Omicron, a new variant of concern. Vacunas, 2022, 23, S103-S110.	2.0	5
92	Heterologous COVID-19 vaccination as a strategy to accelerate mass immunization. Clinical Microbiology and Infection, 2022, 28, 1316-1318.	6.0	1
94	Safety of heterologous primary and booster schedules with ChAdOx1-S and BNT162b2 or mRNA-1273 vaccines: nationwide cohort study. BMJ, The, O, , e070483.	6.0	7
95	Heterologous booster COVID-19 vaccination elicited potent immune responses in HCWs. Diagnostic Microbiology and Infectious Disease, 2022, 104, 115758.	1.8	7
96	Durability of Humoral and Cellular Immunity after an Extended Primary Series with Heterologous Inactivated SARS-CoV-2 Prime-Boost and ChAdOx1 nCoV-19 in Dialysis Patients (ICON3). Vaccines, 2022, 10, 1064.	4.4	6
97	Neutralization Activity against SARS-CoV-2 Variants after Booster Vaccination in Populations without COVID-19: A Meta-Analysis. Vaccines, 2022, 10, 1101.	4.4	1
98	COVID-19 Challenge: A Quest for Effective Vaccine Strategies Against Circulating and Emerging SARS-CoV-2 Variants. Current Pharmaceutical Design, 2022, 28, 2901-2913.	1.9	3

#	Article	IF	Citations
99	Unravelling the enhanced vaccine immunity by heterologous KCONVAC/Ad5-nCoV COVID-19 vaccination. Signal Transduction and Targeted Therapy, 2022, 7, .	17.1	5
100	Reactogenicity and immunogenicity of BNT162b2 or mRNA-1273 COVID-19 booster vaccinations after two doses of BNT162b2 among healthcare workers in Japan: a prospective observational study. Expert Review of Vaccines, 2022, 21, 1319-1329.	4.4	12
101	Antibody evolution to SARS-CoV-2 after single-dose Ad26.COV2.S vaccine in humans. Journal of Experimental Medicine, 2022, 219, .	8.5	10
102	Animal models for COVID-19: advances, gaps and perspectives. Signal Transduction and Targeted Therapy, 2022, 7, .	17.1	40
103	Risk Factors and Incidence Rates of Self-Reported Short-Term Adverse Events of COVID-19 Vaccine Booster Dose. Vaccines, 2022, 10, 1115.	4.4	10
104	<scp>COVID</scp> â€19 and plasma cells: Is there longâ€lived protection?*. Immunological Reviews, 2022, 309, 40-63.	6.0	26
105	Long and persistent COVID-19 in patients with hematologic malignancies: from bench to bedside. Current Opinion in Infectious Diseases, 2022, 35, 271-279.	3.1	16
106	Cellular and Humoral Immune Response to a Third Dose of BNT162b2 COVID-19 Vaccine – A Prospective Observational Study. Frontiers in Immunology, 0, 13, .	4.8	13
107	Seroconversion and outcomes after initial and booster <scp>COVID</scp> â€19 vaccination in adults with hematologic malignancies. Cancer, 2022, 128, 3319-3329.	4.1	27
108	Heterologous saRNA Prime, DNA Dual-Antigen Boost SARS-CoV-2 Vaccination Elicits Robust Cellular Immunogenicity and Cross-Variant Neutralizing Antibodies. Frontiers in Immunology, 0, 13, .	4.8	5
109	A severe case of papulovesicular exthanthema with rhabdomyolysis after corona virus disease 2019 heterologous booster vaccination. Journal of the European Academy of Dermatology and Venereology, 2022, 36, .	2.4	1
110	Impact of COVID-19 on the liver and on the care of patients with chronic liver disease, hepatobiliary cancer, and liver transplantation: An updated EASL position paper. Journal of Hepatology, 2022, 77, 1161-1197.	3.7	46
111	Mix-and-Match COVID-19 Vaccinations (Heterologous Boost): A Review. Infectious Disease Reports, 2022, 14, 537-546.	3.1	23
112	Safety and Adverse Events Among Long-term Care Residents Receiving a Third COVID-19 mRNA Vaccine Booster Dose in Quebec. JAMA Network Open, 2022, 5, e2223401.	5.9	1
114	Alternative Strategies to Increase the Immunogenicity of Covid-19 Vaccines in Kidney Transplant Recipients Not Responding to Two or Three Doses of an mRNA Vaccine. A Randomized Clinical Trial. SSRN Electronic Journal, 0, , .	0.4	4
115	Humoral and Cellular Immune Responses of COVID-19 vaccines against SARS-Cov-2 Omicron variant: a systemic review. International Journal of Biological Sciences, 2022, 18, 4629-4641.	6.4	24
117	COVID-19 Vaccine Booster Strategies for Omicron SARS-CoV-2 Variant: Effectiveness and Future Prospects. Vaccines, 2022, 10, 1223.	4.4	12
118	Increased neutralization and IgG epitope identification after MVA-MERS-S booster vaccination against Middle East respiratory syndrome. Nature Communications, 2022, 13, .	12.8	6

#	Article	IF	CITATIONS
119	Heterologous mRNA vaccine booster increases neutralization of SARS-CoV-2 Omicron BA.2 variant. Signal Transduction and Targeted Therapy, 2022, 7, .	17.1	8
120	Alum/CpG Adjuvanted Inactivated COVID-19 Vaccine with Protective Efficacy against SARS-CoV-2 and Variants. Vaccines, 2022, 10, 1208.	4.4	5
122	Vaccine escape, increased breakthrough and reinfection in infliximab-treated patients with IBD during the Omicron wave of the SARS-CoV-2 pandemic. Gut, 2023, 72, 295-305.	12.1	29
123	BNT162b2 booster after heterologous prime-boost vaccination induces potent neutralizing antibodies and T cell reactivity against SARS-CoV-2 Omicron BA.1 in young adults. Frontiers in Immunology, 0, 13, .	4.8	16
124	SARS-CoV-2 Omicron escapes mRNA vaccine booster-induced antibody neutralisation in patients with autoimmune rheumatic diseases: an observational cohort study. Annals of the Rheumatic Diseases, 2022, 81, 1585-1593.	0.9	12
127	A Booster Dose of CoronaVac Increases Neutralizing Antibodies and T Cells that Recognize Delta and Omicron Variants of Concern. MBio, 2022, 13, .	4.1	28
128	Durability of Heterologous and Homologous COVID-19 Vaccine Boosts. JAMA Network Open, 2022, 5, e2226335.	5.9	42
129	Immunogenicity of SARS-CoV-2 vaccines in patients with cancer. Trends in Molecular Medicine, 2022, 28, 1082-1099.	6.7	11
130	Antibodies from primary humoral responses modulate the recruitment of naive B cells during secondary responses. Immunity, 2022, 55, 1856-1871.e6.	14.3	54
131	Geographic, Occupational, and Sociodemographic Variations in Uptake of COVID-19 Booster Doses Among Fully Vaccinated US Adults, December 1, 2021, to January 10, 2022. JAMA Network Open, 2022, 5, e2227680.	5.9	15
133	The acceptance to heterologous booster vaccination of COVID-19 vaccine among HCWs and targeted population: A cross-sectional study in central China. Frontiers in Public Health, 0, 10, .	2.7	5
137	Humoral response to heterologous primeâ€booster vaccination in heart transplant recipients aged 18–70 years primed with a viral vector SARSâ€CoVâ€2 vaccine. Transplant Infectious Disease, 0, , .	1.7	1
138	The Race for Global Equitable Access to COVID-19 Vaccines. Vaccines, 2022, 10, 1306.	4.4	26
139	SARS-CoV-2 immunity and vaccine strategies in people with HIV. Oxford Open Immunology, 2022, 3, .	2.8	12
140	SARS-CoV-2 vaccine-induced antibody levels: what lies beneath. Lancet Rheumatology, The, 2022, 4, e579-e581.	3.9	0
141	Comparison of antibody response durability of mRNA-1273, BNT162b2, and Ad26.COV2.S SARS-CoV-2 vaccines in healthcare workers. International Journal of Infectious Diseases, 2022, 123, 183-191.	3.3	8
142	SARS-CoV-2 Vaccine Breakthrough by Omicron and Delta Variants, New York, USA. Emerging Infectious Diseases, 2022, 28, .	4.3	7
143	Clinical Characteristics of Patients Who Contracted the SARS-CoV-2 Omicron Variant from an Outbreak in a Single Hospital. Yonsei Medical Journal, 2022, 63, 790.	2.2	8

#	Article	IF	CITATIONS
144	Highâ€resolution analysis of individual spike peptideâ€specific <scp>CD4</scp> <sup>+</sup> Tâ€cell responses in vaccine recipients and <scp>COVID</scp> â€19 patients. Clinical and Translational Immunology, 2022, 11, .	3.8	10
145	Titers and Capacity of Neutralizing Antibodies Against SARS-CoV-2 Variants after Heterologous Booster Vaccination in Health Care Workers Primed with Two Doses of ChadOx1 nCov-19: A Single-Blinded, Randomized Clinical Trial. SSRN Electronic Journal, 0, , .	0.4	0
146	Antibody levels over time against the novel coronavirus and incidence of adverse reaction after vaccination. Health Evaluation and Promotion, 2022, 49, 462-469.	0.0	0
147	Comparison of the Effectiveness and Safety of Heterologous Booster Doses with Homologous Booster Doses for SARS-CoV-2 Vaccines: A Systematic Review and Meta-Analysis. International Journal of Environmental Research and Public Health, 2022, 19, 10752.	2.6	25
148	Serological response after COVID-19 mRNA-1273 booster dose in immunocompromised patients, Taiwan, July to August 2021. Journal of the Formosan Medical Association, 2022, 121, 2438-2445.	1.7	4
149	Efficacy, safety, and immunogenicity of a booster regimen of Ad26.COV2.S vaccine against COVID-19 (ENSEMBLE2): results of a randomised, double-blind, placebo-controlled, phase 3 trial. Lancet Infectious Diseases, The, 2022, 22, 1703-1715.	9.1	37
150	Pre-exposure to mRNA-LNP inhibits adaptive immune responses and alters innate immune fitness in an inheritable fashion. PLoS Pathogens, 2022, 18, e1010830.	4.7	11
151	Immunological study of COVID-19 vaccine candidate based on recombinant spike trimer protein from different SARS-CoV-2 variants of concern. Frontiers in Immunology, 0, 13, .	4.8	6
152	Covid-19 Vaccines â€" Immunity, Variants, Boosters. New England Journal of Medicine, 2022, 387, 1011-1020.	27.0	266
153	Heterologous vector versus homologous mRNA COVID-19 booster vaccination in non-seroconverted immunosuppressed patients: a randomized controlled trial. Nature Communications, 2022, 13, .	12.8	18
154	Durability of Protection Post–Primary COVID-19 Vaccination in the United States. Vaccines, 2022, 10, 1458.	4.4	8
157	Immunogenicity and safety of third-dose mRNA COVID-19 vaccines in healthy adults previously vaccinated with two doses of the ChAdOx1 vaccine. Journal of the Formosan Medical Association, 2023, 122, 121-131.	1.7	9
158	Evaluation of the Safety and Immunogenicity of Fractional Intradermal COVID-19 Vaccines as a Booster: A Pilot Study. Vaccines, 2022, 10, 1497.	4.4	7
159	Simulating the efficacy of vaccines on the epidemiological dynamics of SARS-CoV-2 in a membrane computing model. MicroLife, 2022, 3, .	2.1	3
160	Comparative Effectiveness of BNT162b2 and mRNA-1273 Booster Dose After BNT162b2 Primary Vaccination Against the Omicron Variants: A Retrospective Cohort Study Using Large-Scale Population-Based Registries in Japan. Clinical Infectious Diseases, 2023, 76, 18-24.	5.8	18
161	A quick scoping review of the first year of vaccination against the COVID-19 pandemic: Do we need more shots or time?. Medicine (United States), 2022, 101, e30609.	1.0	4
162	Omicron neutralizing antibody response following booster vaccination compared with breakthrough infection. Med, 2022, 3, 827-837.e3.	4.4	13
163	Immunogenicity of two doses of inactive <scp>COVID</scp> â€19 vaccine and third booster dose <scp>mRNA</scp> vaccine in patients with cancer receiving active systemic therapy. International Journal of Cancer, 2023, 152, 679-685.	5.1	1

#	Article	IF	CITATIONS
164	Heterologous prime boost COVID 19 vaccination. Infectious Diseases Now, 2022, , .	1.6	0
165	Association between Adverse Reactions and Humoral Immune Response No Longer Detectable after BNT162b2 Booster Vaccination. Vaccines, 2022, 10, 1608.	4.4	3
166	Immune response to SARS-CoV-2 mRNA vaccination and booster dose in patients with multiple myeloma and monoclonal gammopathies: impact of Omicron variant on the humoral response. Oncolmmunology, 2022, 11, .	4.6	10
167	Relative vaccine effectiveness of the booster dose of COVID-19 vaccine for preventing death in individuals with a primary regimen based on the BBIBP-CorV, ChAdOx1-S, or BNT162b2 vaccines during the Omicron wave in Peru: A nested case-control study using national population data. Vaccine, 2022, 40. 6512-6519.	3.8	6
168	Four-wheel-drive immune protection. Signal Transduction and Targeted Therapy, 2022, 7, .	17.1	0
169	SARS-CoV-2 in immunocompromised individuals. Immunity, 2022, 55, 1779-1798.	14.3	50
170	Waning of vaccine effectiveness against moderate and severe covid-19 among adults in the US from the VISION network: test negative, case-control study. BMJ, The, 0, , e072141.	6.0	82
171	BNT162b2-induced neutralizing and non-neutralizing antibody functions against SARS-CoV-2 diminish with age. Cell Reports, 2022, 41, 111544.	6.4	17
172	Enhanced immune responses following heterologous vaccination with self-amplifying RNA and mRNA COVID-19 vaccines. PLoS Pathogens, 2022, 18, e1010885.	4.7	10
173	â€~Mix and Match' vaccination: Is dengue next?. Vaccine, 2022, 40, 6455-6462.	3.8	0
174	Increased Seroprevalence and Improved Antibody Responses Following Third Primary SARS-CoV-2 Immunisation: An Update From the COV-AD Study. Frontiers in Immunology, 0, $13$ , .	4.8	15
175	Antibody response to a third booster dose of SARS-CoV-2 vaccination in adults with haematological and solid cancer: a systematic review. British Journal of Cancer, 2022, 127, 1827-1836.	6.4	18
176	Immunogenicity and reactogenicity of a third dose of BNT162b2 vaccine for COVID-19 after a primary regimen with BBIBP-CorV or BNT162b2 vaccines in Lima, Peru. PLoS ONE, 2022, 17, e0268419.	2.5	4
177	Evaluation of the Efficacy of COVID-19 Booster Vaccinations in Healthcare Personnel. Vaccines, 2022, 10, 1797.	4.4	2
178	COVID-19 vaccine update: vaccine effectiveness, SARS-CoV-2 variants, boosters, adverse effects, and immune correlates of protection. Journal of Biomedical Science, 2022, 29, .	7.0	77
179	Immune Persistence against SARS-CoV-2 after Primary and Booster Immunization in Humans: A Large-Scale Prospective Cohort Study. Vaccines, 2022, 10, 1677.	4.4	0
180	Extensive neutralization against SARS-CoV-2 variants elicited by Omicron-specific subunit vaccine as a heterologous booster. IScience, 2022, 25, 105465.	4.1	2
181	The Correlates & Delic Health Consequences of Prospective Vaccine Hesitancy among Individuals Who Received COVID-19 Vaccine Boosters in the U.S Vaccines, 2022, 10, 1791.	4.4	5

#	Article	IF	CITATIONS
183	Alternative strategies to increase the immunogenicity of COVID-19 vaccines in kidney transplant recipients not responding to two or three doses of an mRNA vaccine (RECOVAC): a randomised clinical trial. Lancet Infectious Diseases, The, 2023, 23, 307-319.	9.1	31
184	Effectiveness of COVID-19 Vaccination on Reduction of Hospitalizations and Deaths in Elderly Patients in Rio Grande do Norte, Brazil. International Journal of Environmental Research and Public Health, 2022, 19, 13902.	2.6	7
185	Comparison of SARS-CoV-2 Antibody Levels after a Third Heterologous and Homologous BNT162b2 Booster Dose. Vaccines, 2022, 10, 1672.	4.4	2
186	Efficient recall of SARSâ€CoVâ€2 variantâ€reactive B cells and T responses in the elderly upon heterologous mRNA vaccines as boosters. Journal of Medical Virology, 2023, 95, .	5.0	2
187	Extended SARS-CoV-2 RBD booster vaccination induces humoral and cellular immune tolerance in mice. IScience, 2022, 25, 105479.	4.1	24
188	Investigation of Adverse Events Experienced by Healthcare Workers following Immunization with Homologous or Heterologous COVID-19 Booster Vaccinations. Vaccines, 2022, 10, 1869.	4.4	1
189	The Four Ws of the Fourth Dose COVID-19 Vaccines: Why, Who, When and What. Vaccines, 2022, 10, 1924.	4.4	8
190	Reduction in severity and mortality in COVID-19 patients owing to heterologous third and fourth-dose vaccines during the periods of delta and omicron predominance in Thailand. International Journal of Infectious Diseases, 2023, 126, 31-38.	3.3	18
191	Regulatory agencies disregard real-world effectiveness evidence on product labels beyond what is reasonable. Journal of Clinical Epidemiology, 2022, , .	5.0	0
192	Waning of specific antibodies against Delta and Omicron variants five months after a third dose of BNT162b2 SARS-CoV-2 vaccine in elderly individuals. Frontiers in Immunology, 0, 13, .	4.8	15
193	Quantifying Antibody Persistence After a Single Dose of <scp>COVID</scp> â€19 Vaccine Ad26. <scp>COV2</scp> .S in Humans Using a Mechanistic Modeling and Simulation Approach. Clinical Pharmacology and Therapeutics, 2023, 113, 380-389.	4.7	3
194	Humoral and Cellular Immune Responses against SARS-CoV-2 after Third Dose BNT162b2 following Double-Dose Vaccination with BNT162b2 versus ChAdOx1 in Patients with Cancer. Clinical Cancer Research, 2023, 29, 635-646.	7.0	8
195	Prospective longitudinal analysis of antibody response after standard and booster doses of SARS-COV2 vaccination in patients with early breast cancer. Frontiers in Immunology, $0,13,13$	4.8	0
196	Titers and breadth of neutralizing antibodies against SARS-CoV-2 variants after heterologous booster vaccination in health care workers primed with two doses of $ChAdOx1$ nCov-19: A single-blinded, randomized clinical trial. Journal of Clinical Virology, 2022, 157, 105328.	3.1	10
197	The Vaccine World of COVID-19: India's Contribution. Vaccines, 2022, 10, 1943.	4.4	7
198	Ad26.COV2.S priming provided a solid immunological base for mRNA-based COVID-19 booster vaccination. IScience, 2023, 26, 105753.	4.1	4
199	Third booster vaccination and stopping the Omicron, a new variant of concern. Vacunas (English) Tj ETQq0 0 0 rg	gBT /Overl	ock 10 Tf 50
200	Drivers of and Barriers to COVID-19 Vaccine Booster Dose Acceptance in Indonesia. Vaccines, 2022, 10, 1981.	4.4	3

#	Article	IF	CITATIONS
201	Effectiveness of heterologous third and fourth dose COVID-19 vaccine schedules for SARS-CoV-2 infection during delta andÂomicron predominance in Thailand: a test-negative, case-control study. , 2023, 10, 100121.		12
202	Neutralizing antibodies against SARS-CoV-2 variants following mRNA booster vaccination in adults older than 65Âyears. Scientific Reports, 2022, 12, .	3.3	5
203	Bâ€cell lymphomaâ€2 family proteinsâ€activated proteases as potential therapeutic targets for influenza A virus and severe acute respiratory syndrome coronavirusâ€2: Killing two birds with one stone?. Reviews in Medical Virology, 0, , .	8.3	0
204	Advances in Next-Generation Coronavirus Vaccines in Response to Future Virus Evolution. Vaccines, 2022, 10, 2035.	4.4	3
206	Durable CD8 T Cell Memory against SARS-CoV-2 by Prime/Boost and Multi-Dose Vaccination: Considerations on Inter-Dose Time Intervals. International Journal of Molecular Sciences, 2022, 23, 14367.	4.1	4
207	Neutralizing antibodies induced by homologous and heterologous boosters in CoronaVac vaccines in Chile. Clinical Microbiology and Infection, 2023, 29, 541.e1-541.e7.	6.0	2
208	Heterologous Booster Dose with CORBEVAX following Primary Vaccination with COVISHIELD Enhances Protection against SARS-CoV-2. Vaccines, 2022, 10, 2146.	4.4	4
210	Real-world vaccine effectiveness of mRNA vaccines for SARS-CoV-2; a test-negative case-control study in a medium-sized clinic. Human Vaccines and Immunotherapeutics, 2022, 18, .	3.3	1
212	Impact of SARS-CoV-2 exposure history on the TÂcell and IgG response. Cell Reports Medicine, 2023, 4, 100898.	6.5	13
213	Attenuated humoral responses in HIV after SARS-CoV-2 vaccination linked to B cell defects and altered immune profiles. IScience, 2023, 26, 105862.	4.1	8
214	Immunogenicity and efficacy of fourth BNT162b2 and mRNA1273 COVID-19 vaccine doses; three months follow-up. Nature Communications, 2022, 13, .	12.8	18
215	New insights in assessment of total antibodies after receiving booster dose of different COVID-19 vaccines in Serbia., 2022, 96, 440-445.		0
216	The benefits and costs of U.S. employer COVIDâ€19 vaccine mandates. Risk Analysis, 2023, 43, 2053-2068.	2.7	1
220	Emerging heterologous mRNA-based booster strategies within the COVID-19 vaccine landscape. Human Vaccines and Immunotherapeutics, 2023, 19, .	3.3	8
221	Hybrid and herd immunity $6 \hat{A}$ months after SARS-CoV-2 exposure among individuals from a community treatment program. Scientific Reports, 2023, 13, .	3.3	10
222	SARS-CoV-2 mRNA Dual Immunization Induces Innate Transcriptional Signatures, Establishes T-Cell Memory and Coordinates the Recall Response. Vaccines, 2023, 11, 103.	4.4	1
223	Adverse Reactions after Booster SARS-CoV-2 Vaccination Have Less Impact on Antibody Response than after Basic Vaccination Scheme. Vaccines, 2023, 11, 182.	4.4	2
224	Updated Insights into the T Cell-Mediated Immune Response against SARS-CoV-2: A Step towards Efficient and Reliable Vaccines. Vaccines, 2023, 11, 101.	4.4	14

#	Article	IF	CITATIONS
225	COVID-19 Vaccines—All You Want to Know. Seminars in Respiratory and Critical Care Medicine, 2023, 44, 143-172.	2.1	4
226	Comparison of humoral immunogenicity in solid organ transplant recipients after third-dose mRNA vaccine with homologous or heterologous schedules: An observational study. Journal of Clinical Virology, 2023, 159, 105374.	3.1	3
227	A highly efficient needle-free-injection delivery system for mRNA-LNP vaccination against SARS-CoV-2. Nano Today, 2023, 48, 101730.	11.9	10
228	Heterologous prime-boost immunization with ChAdOx1-S and BNT162b2: reactogenicity and immunogenicity in a prospective cohort study. International Journal of Infectious Diseases, 2023, 128, 166-175.	3.3	6
229	Neutralization sensitivity, fusogenicity, and infectivity of Omicron subvariants. Genome Medicine, 2022, 14, .	8.2	12
230	The Influence of Two Priming Doses of Different Anti-COVID-19 Vaccines on the Production of Anti-SARS-CoV-2 Antibodies After the Administration of the Pfizer/BioNTech Booster. Infection and Drug Resistance, 0, Volume 15, 7811-7821.	2.7	2
231	Antibody and T-Cell Responses against SARS-CoV-2 after Booster Vaccination in Patients on Dialysis: A Prospective Observational Study. Vaccines, 2023, 11, 260.	4.4	4
232	Is heterologous prime-boost COVID-19 vaccination a concern or an opportunity for Ethiopia?. Frontiers in Public Health, 0, 10, .	2.7	0
233	Anti-SARS-CoV-2 spike IgG following injection of the third dose vaccine: A systematic review with meta-analysis of heterologous versus homologous vaccination. Frontiers in Public Health, 0, $10$ , .	2.7	2
234	Efficacy of an unmodified bivalent mRNA vaccine against SARS-CoV-2 variants in female small animal models. Nature Communications, 2023, 14, .	12.8	10
235	The immunologically high-risk kidney recipient in the early post-COVID-19 period. To do or not to do? A case report. Frontiers in Medicine, 0, $10$ , .	2.6	1
236	Dynamics of Antibody Responses after Asymptomatic and Mild to Moderate SARS-CoV-2 Infections: Real-World Data in a Resource-Limited Country. Tropical Medicine and Infectious Disease, 2023, 8, 185.	2.3	0
237	SARS-CoV-2 Antibody Response and Sustainability after a Third Dose of BNT162b2 in Healthcare Workers at Health Promotion Centers. Viruses, 2023, 15, 751.	3.3	3
238	Progress in vaccine development for infectious diseases—a Keystone Symposia report. Annals of the New York Academy of Sciences, 2023, 1524, 65-86.	3.8	3
239	Differential T-cell and antibody responses induced by mRNA versus adenoviral vectored COVID-19 vaccines in patients with immunodeficiencies. , 2023, 2, 100091.		0
240	Safety and immunogenicity of the ChAdOx1, MVA-MERS-S, and GLS-5300 DNA MERS-CoV vaccines. International Immunopharmacology, 2023, 118, 109998.	3.8	1
241	Assessing parameter sensitivity in a university campus COVID-19 model with vaccinations. Infectious Disease Modelling, 2023, 8, 374-389.	1.9	0
242	Multicentric Observational Study on Safety and Tolerability of COVID-19 Vaccines in Patients with Angioedema with C1 Inhibitor Deficiency: Data from Italian Network on Hereditary and Acquired Angioedema (ITACA). Vaccines, 2023, 11, 852.	4.4	2

#	Article	IF	CITATIONS
243	Safety and efficacy of COVID-19 prime-boost vaccinations: Homologous BBIBP-CorV versus heterologous BNT162b2 boosters in BBIBP-CorV-primed individuals. Vaccine, 2023, 41, 1925-1933.	3.8	11
244	Defending against SARS-CoV-2: The T cell perspective. Frontiers in Immunology, 0, 14, .	4.8	20
245	Immunogenicity and reactogenicity of heterologous immunization schedules with COVID-19 vaccines: a systematic review and network meta-analysis. Chinese Medical Journal, 2023, 136, 24-33.	2.3	2
246	Evidence synthesis and pooled analysis of vaccine effectiveness for COVID-19 mRNA vaccine BNT162b2 as a heterologous booster after inactivated SARS-CoV-2 virus vaccines. Human Vaccines and Immunotherapeutics, 2023, 19, .	3.3	4
247	SARS-CoV-2-Specific T Cell Responses in Immunocompromised Individuals with Cancer, HIV or Solid Organ Transplants. Pathogens, 2023, 12, 244.	2.8	8
248	Heterologous versus homologous primary and booster <scp>COVID</scp> â€19 vaccination do not increase flare rate in patients with psoriasis and/or psoriatic arthritis: Insights from a realâ€life, multicenter, caseâ€"control study. Journal of the European Academy of Dermatology and Venereology, 2023. 37	2.4	4
250	Effect of COVID-19 Vaccination on the In-Hospital Prognosis of Patients Admitted during Delta and Omicron Waves in Italy. Vaccines, 2023, 11, 373.	4.4	4
251	Identification of an Optimal COVID-19 Booster Allocation Strategy to Minimize Hospital Bed-Days with a Fixed Healthcare Budget. Vaccines, 2023, 11, 377.	4.4	1
252	T Cell Responses to SARS-CoV-2. Annual Review of Immunology, 2023, 41, 343-373.	21.8	48
253	Opposite Effects of mRNA-Based and Adenovirus-Vectored SARS-CoV-2 Vaccines on Regulatory T Cells: A Pilot Study. Biomedicines, 2023, 11, 511.	3.2	3
254	Persistent memory despite rapid contraction of circulating T Cell responses to SARS-CoV-2 mRNA vaccination. Frontiers in Immunology, $0,14,.$	4.8	2
255	Recent advances in respiratory immunization: A focus on COVID-19 vaccines. Journal of Controlled Release, 2023, 355, 655-674.	9.9	7
256	An update on COVID-19: SARS-CoV-2 variants, antiviral drugs, and vaccines. Heliyon, 2023, 9, e13952.	3.2	28
257	COVID arm that appeared in the contralateral upper extremity after mRNA-1273 booster inoculation. International Cancer Conference Journal, $0$ , , .	0.5	0
258	Increase over time of antibody levels 3 months after a booster dose as an indication of better protection against Omicron infection. Emerging Microbes and Infections, 2023, 12, .	6.5	0
259	Humoral response to mRNA-based COVID-19 vaccine and booster effect of a third dose in patients with mature T cell and NK-cell neoplasms. Annals of Hematology, 2023, 102, 819-827.	1.8	2
260	The Coming of Age of Nucleic Acid Vaccines during COVID-19. MSystems, 2023, 8, .	3.8	5
261	lgA antibody dynamics in healthcare workers after CoronaVac $\hat{A}^{@}$ vaccination and heterologous Comirnaty $\hat{A}^{@}$ booster dose. Brazilian Journal of Microbiology, 0, , .	2.0	0

#	Article	IF	CITATIONS
262	Comparison of humoral and cellular immune responses between ChAd-BNT heterologous vaccination and BNT-BNT homologous vaccination following the third BNT dose: A prospective cohort study. Frontiers in Immunology, 0, 14, .	4.8	8
263	Durability and breadth of neutralisation following multiple antigen exposures to SARS-CoV-2 infection and/or COVID-19 vaccination. EBioMedicine, 2023, 89, 104475.	6.1	4
264	Reduced neutralizing antibody response to SARS oVâ€2 vaccine booster dose in people living with HIV with severe immunosuppression. Journal of Medical Virology, 2023, 95, .	5.0	5
265	Safety and immunogenicity of aerosolised Ad5-nCoV, intramuscular Ad5-nCoV, or inactivated COVID-19 vaccine CoronaVac given as the second booster following three doses of CoronaVac: a multicentre, open-label, phase 4, randomised trial. Lancet Respiratory Medicine, the, 2023, 11, 613-623.	10.7	14
266	Assessing acceptability of the fourth dose against COVID-19 among Chinese adults: A population-based survey. Human Vaccines and Immunotherapeutics, 2023, $19$ , .	3.3	7
267	Comparative effectiveness of BNT162b2 versus mRNA-1273 covid-19 vaccine boosting in England: matched cohort study in OpenSAFELY-TPP. BMJ, The, 0, , e072808.	6.0	17
269	Heterologous Vectorâ€"mRNA Based SARS-CoV-2 Vaccination Strategy Appears Superior to a Homologous Vectorâ€"Based Vaccination Scheme in German Healthcare Workers Regarding Humoral SARS-CoV-2 Response Indicating a High Boosting Effect by mRNA Vaccines. Vaccines, 2023, 11, 701.	4.4	3
270	Vector-based SARS-CoV-2 vaccination is associated with improved T-cell responses in hematological neoplasia. Blood Advances, 0, , .	5.2	1
271	Immunogenicity of a spike protein subunit-based COVID-19 vaccine with broad protection against various SARS-CoV-2 variants in animal studies. PLoS ONE, 2023, 18, e0283473.	2.5	2
272	Korean Red Ginseng Potentially Improves Maintaining Antibodies after COVID-19 Vaccination: A 24-Week Longitudinal Study. Nutrients, 2023, 15, 1584.	4.1	2
273	Tracking B Cell Memory to SARS-CoV-2 Using Rare Cell Analysis System. Vaccines, 2023, 11, 735.	4.4	0
274	Hybrid immunity provides protective advantage over vaccination or prior remote COVID-19 alone. Open Forum Infectious Diseases, 0, , .	0.9	2
275	A Comparison of Etiology, Pathogenesis, Vaccinal and Antiviral Drug Development between Influenza and COVID-19. International Journal of Molecular Sciences, 2023, 24, 6369.	4.1	4
278	Humoral and cellular immunity in three different types of COVID-19 vaccines against SARS-CoV-2 variants in a real-world data analysis. Journal of Microbiology, Immunology and Infection, 2023, 56, 705-717.	3.1	6
279	An engineered HIV-1 Gag-based VLP displaying high antigen density induces strong antibody-dependent functional immune responses. Npj Vaccines, 2023, 8, .	6.0	10
280	Immunogenicity of the BA.1 and BA.4/BA.5 Severe Acute Respiratory Syndrome Coronavirus 2 Bivalent Boosts: Preliminary Results From the COVAIL Randomized Clinical Trial. Clinical Infectious Diseases, 2023, 77, 560-564.	5.8	7
281	Safety and immunogenicity of homologous versus heterologous booster dose with AZD1222, mRNA-1273, or MVC-COV1901 SARS-CoV-2 vaccines in adults: An observer-blinded, multi-center, phase 2 randomized trial. Vaccine, 2023, 41, 3497-3505.	3.8	3
282	Immunogenicity and safety of single booster dose of KD-414 inactivated COVID-19 vaccine in adults: An open-label, single-center, non-randomized, controlled study in Japan. Human Vaccines and Immunotherapeutics, 2023, 19, .	3.3	0

#	Article	IF	CITATIONS
283	Safety and immunogenicity of the protein-based PHH-1V compared to BNT162b2 as a heterologous SARS-CoV-2 booster vaccine in adults vaccinated against COVID-19: a multicentre, randomised, double-blind, non-inferiority phase IIb trial. Lancet Regional Health - Europe, The, 2023, 28, 100613.	5.6	6
284	COVID-19 vaccine effectiveness and evolving variants: understanding the immunological footprint. Lancet Respiratory Medicine,the, 2023, 11, 395-396.	10.7	2
285	ANCA-Associated Vasculitis after Moderna COVID-19 Vaccination. Case Reports in Nephrology, 2023, 2023, 1-5.	0.4	1
286	Detection of pre-existing neutralizing antibodies against Ad26 in HIV-1-infected individuals not responding to the Ad26.COV2.S vaccine. Infection, $0$ , , .	4.7	0
287	SARS oVâ€2 vaccine antibody response and breakthrough infections in transplant recipients. Journal of Medical Virology, 2023, 95, .	5.0	4
288	Serologic response to COVID-19 infection or vaccination in pediatric kidney transplant recipients compared to healthy children. Transplant Immunology, 2023, 78, 101839.	1.2	2
289	Antibody titer after administration of <scp>mRNA</scp> â€based vaccine against severe acute respiratory syndrome coronavirus 2 in liver transplant recipients. Annals of Gastroenterological Surgery, 0, , .	2.4	2
290	Persistence of immune responses after heterologous and homologous third COVID-19 vaccine dose schedules in the UK: eight-month analyses of the COV-BOOST trial. Journal of Infection, 2023, 87, 18-26.	3.3	7
291	mRNA-1273 boost after BNT162b2 vaccination generates comparable SARS-CoV-2-specific functional responses in na $\tilde{A}$ -ve and COVID-19-recovered individuals. Frontiers in Immunology, 0, 14, .	4.8	2
292	Clinical progression, disease severity, and mortality among adults hospitalized with COVID-19 caused by the Omicron and Delta SARS-CoV-2 variants: A population-based, matched cohort study. PLoS ONE, 2023, 18, e0282806.	2.5	10
293	Protection against SARS-CoV-2 Omicron BA.4/5 variant following booster vaccination or breakthrough infection in the UK. Nature Communications, 2023, 14, .	12.8	10
294	A Case of de novo MPO-associated Central Nervous System Vasculitis Following Heterogeneous mRNA1273 COVID-19 Booster Vaccination. Journal of the Korean Neurological Association, 2023, 41, 145-148.	0.1	0
295	Determinants of humoral and cellular immune responses to three doses of mRNA SARS-CoV-2 vaccines in older adults: a longitudinal cohort study. The Lancet Healthy Longevity, 2023, 4, e188-e199.	4.6	5
297	Homologous Sequential Immunization Using Salmonella Oral Administration Followed by an Intranasal Boost with Ferritin-Based Nanoparticles Enhanced the Humoral Immune Response against $H1N1$ Influenza Virus. Microbiology Spectrum, 2023, $11$ , .	3.0	2
298	GRAd-COV2 vaccine provides potent and durable humoral and cellular immunity to SARS-CoV-2 in randomized placebo-controlled phase 2 trial. Cell Reports Medicine, 2023, 4, 101084.	6.5	2
299	Assessment of Anti-SARS-CoV-2 antibody levels among university students vaccinated with different COVID-19 primary and booster doses — fall 2021, Wisconsin. BMC Infectious Diseases, 2023, 23, .	2.9	1
300	Immune response enhancement with GLS-5310 DNA primary vaccine against SARS-CoV-2 followed by administration of an mRNA vaccine heterologous boost. Vaccine, 2023, 41, 4206-4211.	3.8	1
301	Association of systemic adverse reaction patterns with long-term dynamics of humoral and cellular immunity after coronavirus disease 2019 third vaccination. Scientific Reports, 2023, 13, .	3.3	4

#	Article	IF	Citations
302	Herbal medicine use in Republic of Korea to alleviate side effects of COVID-19 vaccines: A cross-sectional study. Journal of Integrative Medicine, 2023, , .	3.1	0
303	Relationship between anthropometric and body composition parameters and anti-SARS-CoV-2 specific IgG titers in females vaccinated against COVID-19 according to the heterologous vaccination course: A cohort study. PLoS ONE, 2023, 18, e0287128.	2.5	1
304	SARS-CoV-2 vaccination and immune response. Japanese Journal of Thrombosis and Hemostasis, 2023, 34, 363-368.	0.1	0
305	Common Adverse Events from Mixing COVID-19 Vaccine Booster in Hanoi, Vietnam. Vaccines, 2023, 11, 1097.	4.4	1
306	Single Ad26.COV2.S booster dose following two doses of BBIBP-CorV vaccine against SARS-CoV-2 infection in adults: Day 28 results of a phase 1/2 open-label trial. Vaccine, 2023, 41, 4648-4657.	3.8	3
307	Comparing SARS-CoV-2 neutralizing antibody levels in convalescent unvaccinated, convalescent vaccinated, and naive vaccinated subjects. Heliyon, 2023, 9, e17410.	3.2	2
308	Management of Severe Cerebral Venous Sinus Thrombosis After Post-vaccination Breakthrough COVID-19 Infection: A Case Report and Review of the Literature. SN Comprehensive Clinical Medicine, 2023, 5, .	0.6	0
309	Humoral <scp>SARS</scp> – <scp>CoV</scp> â€2 Vaccine Responses in Patients With Giant Cell Arteritis and Polymyalgia Rheumatica: Decay After Primary Vaccination and Effects of the Booster. Arthritis Care and Research, 2024, 76, 105-110.	3.4	1
310	Longer-term effectiveness of a heterologous coronavirus disease 2019 (COVID-19) vaccine booster in healthcare workers in Brazil. Antimicrobial Stewardship & Healthcare Epidemiology, 2023, 3, .	0.5	0
311	Characterization of immune responses to two and three doses of the adenoviral vectored vaccine ChAdOx1 nCov-19 and the whole virion inactivated vaccine BBV152 in a mix-and-match study in India. Vaccine, 2023, 41, 4808-4822.	3.8	1
312	Safety and immunogenicity of a third dose of mRNAâ $\in$ 1273 vaccine among cancer patients. Cancer Communications, 0, , .	9.2	2
314	Heterologous versus homologous boosting elicits qualitatively distinct, BA.5–cross-reactive T cells in transplant recipients. JCI Insight, 2023, 8, .	5.0	5
315	Comparing Heterologous and Homologous COVID-19 Vaccination: A Longitudinal Study of Antibody Decay. Viruses, 2023, 15, 1162.	3.3	1
316	Anti-SARS-CoV-2 antibody among SARS-CoV-2 vaccinated vs post-infected blood donors in a tertiary hospital, Bangkok, Thailand. PLoS ONE, 2023, 18, e0285737.	2.5	0
317	COVID-19 Nedeni ile Yatarak Tedavi Görenlerde Aşıların ve Hatırlatma Dozlarının Hastalık SÃ⅓reci Mortaliteye Etkisi. Cukurova Anestezi Ve Cerrahi Bilimler Dergisi, 2023, 6, 130-139.	ine ve 0.0	0
318	DNA Vaccines for Epidemic Preparedness: SARS-CoV-2 and Beyond. Vaccines, 2023, 11, 1016.	4.4	4
319	Spontaneously reported adverse events following COVID-19 basic and booster immunizations in the Netherlands. Vaccine, 2023, 41, 4319-4326.	3.8	3
320	Beta-containing bivalent SARS-CoV-2 protein vaccine elicits durable broad neutralization in macaques and protection in hamsters. Communications Medicine, 2023, 3, .	4.2	1

#	Article	IF	Citations
321	COVID-19 vaccine effectiveness against symptomatic infection and hospitalisation in Belgium, July 2021 to May 2022. Eurosurveillance, 2023, 28, .	7.0	0
322	Attenuated immunogenicity of SARS-CoV-2 vaccines and risk factors in stem cell transplant recipients: A meta-analysis. Blood Advances, 0, , .	5.2	O
323	Pivoting to protein: the immunogenicity and safety of protein-based NVX-CoV2373 as a heterologous booster for inactivated and viral vector COVID-19 vaccines. Expert Review of Vaccines, 2023, 22, 620-628.	4.4	1
325	Booster effect of a third <scp>mRNA</scp> â€based <scp>COVID</scp> â€19 vaccine dose in patients with myeloid malignancies. Cancer Medicine, 0, , .	2.8	O
326	Homologous or heterologous COVID-19 vaccine schemes: comparison of immune responses and side effects. Diagnostic Microbiology and Infectious Disease, 2023, 107, 116017.	1.8	O
328	Immunogenicity of NVX-CoV2373 heterologous boost against SARS-CoV-2 variants. Npj Vaccines, 2023, 8,	6.0	9
329	Breakthrough SARS-CoV-2 Omicron Variant in Individuals Primed with Heterologous Vaccines Enhances Inhibition Performance of Neutralizing Antibody to BA.2 Parental Lineage. Vaccines, 2023, 11, 1230.	4.4	2
330	Waning and boosting of antibody Fc-effector functions upon SARS-CoV-2 vaccination. Nature Communications, 2023, 14, .	12.8	2
331	Immunogenicity, safety and reactogenicity of heterologous (third dose) booster vaccination with a full or fractional dose of two different COVID-19 vaccines: A phase 4, single-blind, randomized controlled trial in adults. Human Vaccines and Immunotherapeutics, 2023, 19, .	3.3	0
332	Immunogenicity and reactogenicity of heterologous COVID-19 vaccination in pregnant women. Human Vaccines and Immunotherapeutics, 2023, 19, .	3.3	2
334	CASCADIA: a prospective community-based study protocol for assessing SARS-CoV-2 vaccine effectiveness in children and adults using a remote nasal swab collection and web-based survey design. BMJ Open, 2023, 13, e071446.	1.9	3
335	Safety and immunogenicity of a ChAd155-vectored respiratory syncytial virus vaccine in infants $6\hat{a}\in "7$ months of age: a phase $1/2$ randomized trial. Journal of Infectious Diseases, $0$ , , .	4.0	1
336	Immunologic response and seroconversion following third-dose COVID-19 vaccination in solid organ transplant recipients: A meta-analysis. Transplant Immunology, 2023, 80, 101902.	1.2	0
337	COVID-19 Vaccination in Patients With Cancer and Patients Receiving HSCT or CAR-T Therapy: Immune Response, Real-World Effectiveness, and Implications for the Future. Journal of Infectious Diseases, 2023, 228, S55-S69.	4.0	1
338	Comparative antibody and cell-mediated immune responses, reactogenicity, and efficacy of homologous and heterologous boosting with CoronaVac and BNT162b2 (Cobovax): an open-label, randomised trial. Lancet Microbe, The, 2023, 4, e670-e682.	7.3	4
339	Immunogenicity of a Two Dose Regimen of Moderna mRNA Beta/Omicron BA.1 Bivalent Variant Vaccine Boost in a Randomized Clinical Trial. Journal of Infectious Diseases, 0, , .	4.0	1
340	Explicit modeling of antibody levels for infectious disease simulations in the context of SARS-CoV-2. IScience, 2023, 26, 107554.	4.1	1
341	Executive summary of the consensus statement of the group for the study of infection in transplantation and other immunocompromised host (GESITRA-IC) of the Spanish Society of Infectious Diseases and Clinical Microbiology (SEIMC) on the treatment of SARS-CoV-2 infection in solid organ transplant recipients. Transplantation Reviews. 2023. 37. 100788.	2.9	0

#	Article	IF	CITATIONS
342	A Mechanical Assay for the Quantification of Anti-RBD IgG Levels in Finger-Prick Whole Blood. ACS Sensors, 2023, 8, 2986-2995.	7.8	1
344	SARS-CoV-2 neutralizing antibody bebtelovimab $\hat{a} \in \hat{a}$ a systematic scoping review and meta-analysis. Frontiers in Immunology, 0, 14, .	4.8	0
345	Comparison of bivalent and monovalent SARS-CoV-2 variant vaccines: the phase 2 randomized open-label COVAIL trial. Nature Medicine, 2023, 29, 2334-2346.	30.7	13
346	Immunogenicity and safety of NVX-CoV2373 as a booster: A phase 3 randomized clinical trial in adults. Vaccine, 2023, , .	3.8	0
347	Clinical characteristics, management, and prevention of coronavirus disease 2019. Frigid Zone Medicine, 2023, 3, 134-160.	0.3	0
348	Effectiveness of Mix-and-Match Vaccination in Preventing SARS-CoV-2 Omicron Variant Infection in Taiwan: A Test-Negative Control Study. Vaccines, 2023, 11, 1441.	4.4	0
349	Effectiveness of the Booster Dose in Protecting against COVID-19, Colombia 2022. Vaccines, 2023, 11, 1461.	4.4	0
350	Polyfunctional CD4 T-cells correlating with neutralising antibody is a hallmark of COVISHIELDTM and COVAXIN® induced immunity in COVID-19 exposed Indians. Npj Vaccines, 2023, 8, .	6.0	2
351	Study of efficacy and antibody duration to fourth-dose booster of Ad5-nCoV or inactivated SARS-CoV-2 vaccine in Chinese adults: a prospective cohort study. Frontiers in Immunology, 0, 14, .	4.8	0
352	Comparative Evaluation of the Clinical Severity of COVID-19 of Vaccinated and Unvaccinated Patients in Southeastern Romania in the First 6 Months of 2022, during the Omicron Wave. Healthcare (Switzerland), 2023, 11, 2184.	2.0	1
353	Heterologous DNA-prime/protein-boost immunization with a monomeric SARS-CoV-2 spike antigen redundantizes the trimeric receptor-binding domain structure to induce neutralizing antibodies in old mice. Frontiers in Immunology, 0, $14$ , .	4.8	0
354	Comparison of Humoral Response between Third and Fourth Doses of COVID-19 Vaccine in Hemodialysis Patients. Vaccines, 2023, 11, 1584.	4.4	1
355	Safety, immunogenicity, and efficacy of an mRNA COVID-19 vaccine (RQ3013) given as the fourth booster following three doses of inactivated vaccines: a double-blinded, randomised, controlled, phase 3b trial. EClinicalMedicine, 2023, 64, 102231.	7.1	1
356	Active and Passive Immunization Approaches in Transplant Recipients. Current Transplantation Reports, 0, , .	2.0	0
357	Effectiveness of a third dose of COVID-19 vaccines against delta variant of SARS-COV-2: A Serbian cohort study. Srpski Arhiv Za Celokupno Lekarstvo, 2023, , 82-82.	0.2	0
358	Research progress on the neutralizing antibody response to SARS-CoV-2. Scientia Sinica Vitae, 2023, 53, 1490-1498.	0.3	0
359	Significant increase in anti-SARS-CoV-2 antibodies after administration of heterologous mRNA-based vaccine booster in individuals receiving two doses of inactivated COVID-19 vaccine: A single-center study in healthcare workers in Jakarta, Indonesia. Journal of Infection and Public Health, 2023, 16, 1848-1851.	4.1	0
360	Nosocomial outbreak in a respiratory ward caused by the SARS-CoV-2 Omicron BA 5.2.1 subvariant associated with non-severe illness in vaccinated patients. Epidemiology and Infection, 2023, 151, .	2.1	1

#	Article	IF	CITATIONS
361	Protection of homologous and heterologous boosters after primary schemes of rAd26-rAd5, ChAdOx1 nCoV-19 and BBIBP-CorV during the omicron outbreak in adults of 50 years and older in Argentina: a test-negative case–control study. The Lancet Regional Health Americas, 2023, 27, 100607.	2.6	3
362	Evaluation of PastoCovac plus vaccine as a booster dose on vaccinated individuals with inactivated COVID-19 vaccine. Heliyon, 2023, 9, e20555.	3.2	6
363	Half dose ChAdOx1 nCoV-19 vaccine was equivalent to full doses to reduce moderate and severe COVID-19 cases. IJID Regions, 2023, , .	1.3	0
364	Boosting with an aerosolized Ad5-nCoV elicited robust immune responses in inactivated COVID-19 vaccines recipients. Frontiers in Immunology, 0, $14$ , .	4.8	0
365	Humoral and cellular immune responses in fully vaccinated individuals with or without SARSâ€CoVâ€2 breakthrough infection: Results from the CoVâ€ADAPT cohort. Journal of Medical Virology, 2023, 95, .	5.0	0
366	Neutralising antibody responses against SARS-CoV-2 Omicron BA.4/5 and wild-type virus in patients with inflammatory bowel disease following three doses of COVID-19 vaccine (VIP): a prospective, multicentre, cohort study. EClinicalMedicine, 2023, 64, 102249.	7.1	0
367	IgG level of the third booster dose for mRNA of SARS-CoV-2 vaccines among Iraqi healthcare workers. Medicine (United States), 2023, 102, e35444.	1.0	0
368	Immune-Boosting Effect of the COVID-19 Vaccine: Real-World Bidirectional Cohort Study. JMIR Public Health and Surveillance, 0, 9, e47272.	2.6	1
370	BNT162b2 versus mRNA-1273 Third Dose COVID-19 Vaccine in Patients with CKD and Maintenance Dialysis Patients. Clinical Journal of the American Society of Nephrology: CJASN, 2023, , .	4.5	1
371	Effectiveness of homologous/heterologous booster COVID-19 vaccination schedules against severe illness in general population and clinical subgroups in three European countries. Vaccine, 2023, 41, 7007-7018.	3.8	1
372	Heterologous booster vaccines reduce severity and mortality in COVID-19 during BA.2 and BA.4/BA.5 omicron predominance in Thailand. Journal of Microbiology, Immunology and Infection, 2023, 56, 1178-1186.	3.1	1
373	Dynamics of temporal immune responses in nonhuman primates and humans immunized with COVID-19 vaccines. PLoS ONE, 2023, 18, e0287377.	2.5	0
374	Humoral and cellular immunity against diverse SARS-CoV-2 variants. Journal of Genetics and Genomics, 2023, 50, 934-947.	3.9	1
375	Stochastic interventional approach to assessing immune correlates of protection: Application to the COVE messenger RNA-1273 vaccine trial. International Journal of Infectious Diseases, 2023, 137, 28-39.	3.3	3
376	Impact of sex and age on vaccine-related side effects and their progression after booster mRNA COVID-19 vaccine. Scientific Reports, 2023, $13$ , .	3.3	2
377	Inadequate structural constraint on Fab approach rather than paratope elicitation limits HIV-1 MPER vaccine utility. Nature Communications, 2023, 14, .	12.8	0
378	The 6-Month Antibody Durability of Heterologous Convidecia Plus CoronaVac and Homologous CoronaVac Immunizations in People Aged 18–59 Years and over 60 Years Based on Two Randomized Controlled Trials in China. Vaccines, 2023, 11, 1815.	4.4	1
379	Vaccine-induced immune thrombotic thrombocytopenia post COVID-19 booster vaccination in Brazil: a case series. Research and Practice in Thrombosis and Haemostasis, 2023, 7, 102243.	2.3	3

#	Article	IF	CITATIONS
380	Homologous Ad26.COV2.S vaccination results in reduced boosting of humoral responses in hybrid immunity, but elicits antibodies of similar magnitude regardless of prior infection. PLoS Pathogens, 2023, 19, e1011772.	4.7	0
381	Safety of AZD1222 COVID-19 vaccine and low Incidence of SARS-CoV-2 infection in Botswana following ChAdOx1(AZD1222) vaccination: A single-arm open-label interventional study – final study results. IJID Regions, 2024, 10, 35-43.	1.3	О
382	Impact of Nutritional Status on Antibody Titer After Booster mRNA COVID-19 Vaccine Among Elderly Adults in Japan. Journal of Infectious Diseases, 0, , .	4.0	0
383	The Novavax Heterologous Coronavirus Disease 2019 Booster Demonstrates Lower Reactogenicity Than Messenger RNA: A Targeted Review. Journal of Infectious Diseases, 0, , .	4.0	2
384	Novel Spike-stabilized trimers with improved production protect K18-hACE2 mice and golden Syrian hamsters from the highly pathogenic SARS-CoV-2 Beta variant. Frontiers in Immunology, 0, 14, .	4.8	1
386	Evaluation of immunogenicity-induced DNA vaccines against different SARS-CoV-2 variants. PLoS ONE, 2023, 18, e0295594.	2.5	O
387	SARS-CoV-2 vaccination enhances the effector qualities of spike-specific T cells induced by COVID-19. Science Immunology, 2023, 8, .	11.9	4
388	Innovation-driven trend shaping COVID-19 vaccine development in China. Frontiers of Medicine, 2023, 17, 1096-1116.	3.4	O
389	An updated review of epidemiological characteristics, immune escape, and therapeutic advances of SARS-CoV-2 Omicron XBB.1.5 and other mutants. Frontiers in Cellular and Infection Microbiology, 0, 13, .	3.9	1
390	Antibody response to threeâ€dose <scp>antiâ€SARSâ€CoV</scp> â€2 <scp>mRNA</scp> â€vaccination in treated solid cancer patients. International Journal of Cancer, 2024, 154, 1371-1376.	5.1	O
391	Immunogenicity Persistence of a Third-Dose Homologous BBIBP-CorV/CoronaVac Boosting Vaccination: A Prospective Open-Label Study. Viral Immunology, 2024, 37, 16-23.	1.3	0
392	Immunogenicity and safety of a booster dose of a self-amplifying RNA COVID-19 vaccine (ARCT-154) versus BNT162b2 mRNA COVID-19 vaccine: a double-blind, multicentre, randomised, controlled, phase 3, non-inferiority trial. Lancet Infectious Diseases, The, 2023, , .	9.1	5
393	Development of COVID-19 vaccine policy â€" United States, 2020â€"2023. Vaccine, 2023, , .	3.8	2
396	SCB-2019 protein vaccine as heterologous booster of neutralizing activity against SARS-CoV-2 Omicron variants after immunization with other COVID-19 vaccines. Human Vaccines and Immunotherapeutics, 2024, 20, .	3.3	О
397	Burden and Impact of Reactogenicity among Adults Receiving COVID-19 Vaccines in the United States and Canada: Results from a Prospective Observational Study. Vaccines, 2024, 12, 83.	4.4	0
399	Immunogenicity and Safety of the Three-Dose COVID-19 Vaccine Regimen in Patients Receiving Renal Replacement Therapy: A Systematic Review and Meta-Analysis. Kidney Diseases (Basel, Switzerland), 2024, 10, 107-117.	2.5	О
400	Host Genetic Variation Impacts SARS-CoV-2 Vaccination Response in the Diversity Outbred Mouse Population. Vaccines, 2024, 12, 103.	4.4	2
401	Placental Transfer Efficiency of Neutralizing Antibodies on SARS-CoV-2 Vaccination before and after Pregnancy in Mexican Women. International Journal of Molecular Sciences, 2024, 25, 1516.	4.1	О

#	Article	IF	CITATIONS
402	The Importance of Natural and Acquired Immunity to SARS-CoV-2 Infection in Patients on Peritoneal Dialysis. Vaccines, 2024, 12, 135.	4.4	0
403	Relative effectiveness and durability of booster doses of SARS-CoV-2 vaccines: A systematic review and meta-analysis., 2024, 2, 100051.		0
406	Third vaccine boosters and antiâ€∢scp>Sâ€IgG levels: A comparison of homologous and heterologous responses and poor immunogenicity in hepatocellular carcinoma. Kaohsiung Journal of Medical Sciences, 0, , .	1.9	0
407	Vaccine Effectiveness against SARS-CoV-2 Infection during the Circulation of Alpha, Delta, or Omicron Variants: A Retrospective Cohort Study in a Tertiary Hospital in Serbia. Vaccines, 2024, 12, 211.	4.4	0
408	Comparing reactogenicity of COVID-19 vaccine boosters: a systematic review and meta-analysis. Expert Review of Vaccines, 2024, 23, 266-282.	4.4	0
409	Initial Efficacy of the COVID-19 mRNA Vaccine Booster and Subsequent Breakthrough Omicron Variant Infection in Patients with B-Cell Non-Hodgkin's Lymphoma: A Single-Center Cohort Study. Viruses, 2024, 16, 328.	3.3	0
410	Comparative efficacy and safety of COVID-19 vaccines in phase III trials: a network meta-analysis. BMC Infectious Diseases, 2024, 24, .	2.9	0
411	SARS-CoV-2-infection- and vaccine-induced antibody responses are long lasting with an initial waning phase followed by a stabilization phase. Immunity, 2024, 57, 587-599.e4.	14.3	0
412	The evolution of vaccine hesitancy through the COVID-19 pandemic: A semi-structured interview study on booster and bivalent doses. Human Vaccines and Immunotherapeutics, 2024, 20, .	3.3	0
413	Frequency and timing of adverse reactions to COVID-19 vaccines; A multi-country cohort event monitoring study. Vaccine, 2024, 42, 2357-2369.	3.8	0
414	Boosting Vaccine Response in Autoimmune Rheumatic Disease Patients With Inadequate Seroconversion: An Analysis of the Immunogenicity of Vector-Based and Inactivated Vaccines. Cureus, 2024, , .	0.5	0
415	Nanotechnology's frontier in combatting infectious and inflammatory diseases: prevention and treatment. Signal Transduction and Targeted Therapy, 2024, 9, .	17.1	0
416	Nucleic Acid Vaccines Encoding Proteins and Virus-like Particles for HIV Prevention. Vaccines, 2024, 12, 298.	4.4	0
418	Homologous or heterologous administration of mRNA or adenovirus-vectored vaccines show comparable immunogenicity and effectiveness against the SARS-CoV-2 Omicron variant. Expert Review of Vaccines, 2024, 23, 432-444.	4.4	O