

Norbert Pardi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	4,529 citations	26 h-index	67 g-index
69 ext. papers	6,880 ext. citations	15.5 avg, IF	6.22 L-index

#	Paper	IF	Citations
62	Lyophilization provides long-term stability for a lipid nanoparticle-formulated nucleoside-modified mRNA vaccine.. <i>Molecular Therapy</i> , 2022 ,	11.7	8
61	mRNA-encoded HIV-1 Env trimer ferritin nanoparticles induce monoclonal antibodies that neutralize heterologous HIV-1 isolates in mice.. <i>Cell Reports</i> , 2022 , 38, 110514	10.6	2
60	mRNA Vaccines in the COVID-19 Pandemic and Beyond. <i>Annual Review of Medicine</i> , 2021 ,	17.4	19
59	Lipid nanoparticles enhance the efficacy of mRNA and protein subunit vaccines by inducing robust T follicular helper cell and humoral responses. <i>Immunity</i> , 2021 ,	32.3	39
58	Lipid nanoparticle chemistry determines how nucleoside base modifications alter mRNA delivery. <i>Journal of Controlled Release</i> , 2021 , 341, 206-214	11.7	4
57	mRNA vaccination induces tick resistance and prevents transmission of the Lyme disease agent. <i>Science Translational Medicine</i> , 2021 , 13, eabj9827	17.5	10
56	Tick immunity using mRNA, DNA and protein-based Salp14 delivery strategies. <i>Vaccine</i> , 2021 , 39, 7661-7661	4.61	1
55	Nucleoside-modified mRNA vaccines protect IFNAR mice against Crimean Congo hemorrhagic fever virus infection. <i>Journal of Virology</i> , 2021 , JVI0156821	6.6	0
54	Trivalent nucleoside-modified mRNA vaccine yields durable memory B cell protection against genital herpes in preclinical models. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	1
53	Chimeric spike mRNA vaccines protect against Sarbecovirus challenge in mice 2021 ,		11
52	Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates. <i>Npj Vaccines</i> , 2021 , 6, 50	9.5	19
51	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. <i>Nature</i> , 2021 , 594, 553-559	30.4	85
50	In vivo adenine base editing of PCSK9 in macaques reduces LDL cholesterol levels. <i>Nature Biotechnology</i> , 2021 , 39, 949-957	44.5	50
49	Messenger RNA expressing PfCSP induces functional, protective immune responses against malaria in mice. <i>Npj Vaccines</i> , 2021 , 6, 84	9.5	11
48	Nucleoside-modified VEGFC mRNA induces organ-specific lymphatic growth and reverses experimental lymphedema. <i>Nature Communications</i> , 2021 , 12, 3460	17.4	6
47	Highly efficient CD4+ T cell targeting and genetic recombination using engineered CD4+ cell-homing mRNA-LNPs. <i>Molecular Therapy</i> , 2021 , 29, 3293-3304	11.7	15
46	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization. <i>Cell Host and Microbe</i> , 2021 , 29, 23-31.e4	23.4	198

45	Murine liver repair via transient activation of regenerative pathways in hepatocytes using lipid nanoparticle-complexed nucleoside-modified mRNA. <i>Nature Communications</i> , 2021 , 12, 613	17.4	14
44	Transient yet Robust Expression of Proteins in the Mouse Liver via Intravenous Injection of Lipid Nanoparticle-encapsulated Nucleoside-modified mRNA. <i>Bio-protocol</i> , 2021 , 11, e4184	0.9	1
43	SARS-CoV-2 vaccination induces neutralizing antibodies against pandemic and pre-emergent SARS-related coronaviruses in monkeys 2021 ,		4
42	Ability of nucleoside-modified mRNA to encode HIV-1 envelope trimer nanoparticles 2021 ,		1
41	Chimeric spike mRNA vaccines protect against Sarbecovirus challenge in mice. <i>Science</i> , 2021 , 373, 991-998	99.3	48
40	Lipid-nanoparticle-encapsulated mRNA vaccines induce protective memory CD8 T cells against a lethal viral infection. <i>Molecular Therapy</i> , 2021 , 29, 2769-2781	11.7	8
39	Antigen modifications improve nucleoside-modified mRNA-based influenza virus vaccines in mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021 , 22, 84-95	6.4	6
38	Vaccination with Messenger RNA: A Promising Alternative to DNA Vaccination. <i>Methods in Molecular Biology</i> , 2021 , 2197, 13-31	1.4	17
37	Added to pre-existing inflammation, mRNA-lipid nanoparticles induce inflammation exacerbation (IE).. <i>Journal of Controlled Release</i> , 2021 ,	11.7	7
36	A Multi-Targeting, Nucleoside-Modified mRNA Influenza Virus Vaccine Provides Broad Protection in Mice. <i>Molecular Therapy</i> , 2020 , 28, 1569-1584	11.7	69
35	The Transcription Factor T-bet Resolves Memory B Cell Subsets with Distinct Tissue Distributions and Antibody Specificities in Mice and Humans. <i>Immunity</i> , 2020 , 52, 842-855.e6	32.3	64
34	Human Cytomegalovirus Glycoprotein B Nucleoside-Modified mRNA Vaccine Elicits Antibody Responses with Greater Durability and Breadth than MF59-Adjuvanted gB Protein Immunization. <i>Journal of Virology</i> , 2020 , 94,	6.6	16
33	Selective targeting of nanomedicine to inflamed cerebral vasculature to enhance the blood-brain barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3405-3414	11.5	47
32	Recent advances in mRNA vaccine technology. <i>Current Opinion in Immunology</i> , 2020 , 65, 14-20	7.8	126
31	Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates 2020 ,		20
30	Nucleoside-modified mRNA vaccination partially overcomes maternal antibody inhibition of de novo immune responses in mice. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	10
29	Protection against herpes simplex virus type 2 infection in a neonatal murine model using a trivalent nucleoside-modified mRNA in lipid nanoparticle vaccine. <i>Vaccine</i> , 2020 , 38, 7409-7413	4.1	9
28	SARS-CoV-2 mRNA Vaccines Foster Potent Antigen-Specific Germinal Center Responses Associated with Neutralizing Antibody Generation. <i>Immunity</i> , 2020 , 53, 1281-1295.e5	32.3	146

27	An HSV-2 nucleoside-modified mRNA genital herpes vaccine containing glycoproteins gC, gD, and gE protects mice against HSV-1 genital lesions and latent infection. <i>PLoS Pathogens</i> , 2020 , 16, e1008795	7.6	12
26	A Single Immunization with Nucleoside-Modified mRNA Vaccines Elicits Strong Cellular and Humoral Immune Responses against SARS-CoV-2 in Mice. <i>Immunity</i> , 2020 , 53, 724-732.e7	32.3	132
25	Development of vaccines and antivirals for combating viral pandemics. <i>Nature Biomedical Engineering</i> , 2020 , 4, 1128-1133	19	27
24	Messenger RNA-Based Vaccines Against Infectious Diseases. <i>Current Topics in Microbiology and Immunology</i> , 2020 , 1	3.3	24
23	Anti-PfGARP activates programmed cell death of parasites and reduces severe malaria. <i>Nature</i> , 2020 , 582, 104-108	50.4	23
22	An HSV-2 nucleoside-modified mRNA genital herpes vaccine containing glycoproteins gC, gD, and gE protects mice against HSV-1 genital lesions and latent infection 2020 , 16, e1008795		
21	An HSV-2 nucleoside-modified mRNA genital herpes vaccine containing glycoproteins gC, gD, and gE protects mice against HSV-1 genital lesions and latent infection 2020 , 16, e1008795		
20	An HSV-2 nucleoside-modified mRNA genital herpes vaccine containing glycoproteins gC, gD, and gE protects mice against HSV-1 genital lesions and latent infection 2020 , 16, e1008795		
19	An HSV-2 nucleoside-modified mRNA genital herpes vaccine containing glycoproteins gC, gD, and gE protects mice against HSV-1 genital lesions and latent infection 2020 , 16, e1008795		
18	Nucleoside-modified mRNA encoding HSV-2 glycoproteins C, D, and E prevents clinical and subclinical genital herpes. <i>Science Immunology</i> , 2019 , 4,	28	43
17	Characterization of HIV-1 Nucleoside-Modified mRNA Vaccines in Rabbits and Rhesus Macaques. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 15, 36-47	10.7	53
16	Purification of mRNA Encoding Chimeric Antigen Receptor Is Critical for Generation of a Robust T-Cell Response. <i>Human Gene Therapy</i> , 2019 , 30, 168-178	4.8	34
15	mRNA vaccines - a new era in vaccinology. <i>Nature Reviews Drug Discovery</i> , 2018 , 17, 261-279	64.1	1395
14	New Kids on the Block: RNA-Based Influenza Virus Vaccines. <i>Vaccines</i> , 2018 , 6,	5.3	40
13	Nucleoside-modified mRNA vaccines induce potent T follicular helper and germinal center B cell responses. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1571-1588	16.6	212
12	Nucleoside-modified mRNA immunization elicits influenza virus hemagglutinin stalk-specific antibodies. <i>Nature Communications</i> , 2018 , 9, 3361	17.4	120
11	Increased surface expression of HIV-1 envelope is associated with improved antibody response in vaccinia prime/protein boost immunization. <i>Virology</i> , 2018 , 514, 106-117	3.6	12
10	PECAM-1 directed re-targeting of exogenous mRNA providing two orders of magnitude enhancement of vascular delivery and expression in lungs independent of apolipoprotein E-mediated uptake. <i>Journal of Controlled Release</i> , 2018 , 291, 106-115	11.7	45

9	Zika virus protection by a single low-dose nucleoside-modified mRNA vaccination. <i>Nature</i> , 2017 , 543, 248-251	50.4	502
8	Administration of nucleoside-modified mRNA encoding broadly neutralizing antibody protects humanized mice from HIV-1 challenge. <i>Nature Communications</i> , 2017 , 8, 14630	17.4	179
7	Measuring the Adjuvant Activity of RNA Vaccines. <i>Methods in Molecular Biology</i> , 2017 , 1499, 143-153	1.4	4
6	Nucleoside Modified mRNA Vaccines for Infectious Diseases. <i>Methods in Molecular Biology</i> , 2017 , 1499, 109-121	1.4	56
5	Expression kinetics of nucleoside-modified mRNA delivered in lipid nanoparticles to mice by various routes. <i>Journal of Controlled Release</i> , 2015 , 217, 345-51	11.7	345
4	Generating an Anti-HIV Vaccine Using Nucleoside-modified mRNA Encoding Envelope. <i>AIDS Research and Human Retroviruses</i> , 2014 , 30, A249-A249	1.6	1
3	In vitro transcription of long RNA containing modified nucleosides. <i>Methods in Molecular Biology</i> , 2013 , 969, 29-42	1.4	72
2	HPLC purification of in vitro transcribed long RNA. <i>Methods in Molecular Biology</i> , 2013 , 969, 43-54	1.4	79
1	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization		21