Norbert Pardi

List of Publications by Citations

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	mRNA vaccines - a new era in vaccinology. *Nature Reviews Drug Discovery*, **2018**, 17, 261-279	64.1	1395
61	Zika virus protection by a single low-dose nucleoside-modified mRNA vaccination. *Nature*, **2017**, 543, 248-251	50.4	502
60	Expression kinetics of nucleoside-modified mRNA delivered in lipid nanoparticles to mice by various routes. *Journal of Controlled Release*, **2015**, 217, 345-51	11.7	345
59	Nucleoside-modified mRNA vaccines induce potent T follicular helper and germinal center B cell responses. *Journal of Experimental Medicine*, **2018**, 215, 1571-1588	16.6	212
58	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization. *Cell Host and Microbe*, **2021**, 29, 23-31.e4	23.4	198
57	Administration of nucleoside-modified mRNA encoding broadly neutralizing antibody protects humanized mice from HIV-1 challenge. *Nature Communications*, **2017**, 8, 14630	17.4	179
56	SARS-CoV-2 mRNA Vaccines Foster Potent Antigen-Specific Germinal Center Responses Associated with Neutralizing Antibody Generation. *Immunity*, **2020**, 53, 1281-1295.e5	32.3	146
55	A Single Immunization with Nucleoside-Modified mRNA Vaccines Elicits Strong Cellular and Humoral Immune Responses against SARS-CoV-2 in Mice. *Immunity*, **2020**, 53, 724-732.e7	32.3	132
54	Recent advances in mRNA vaccine technology. *Current Opinion in Immunology*, **2020**, 65, 14-20	7.8	126
53	Nucleoside-modified mRNA immunization elicits influenza virus hemagglutinin stalk-specific antibodies. *Nature Communications*, **2018**, 9, 3361	17.4	120
52	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. *Nature*, **2021**, 594, 553-559	50.4	85
51	HPLC purification of in vitro transcribed long RNA. *Methods in Molecular Biology*, **2013**, 969, 43-54	1.4	79
50	In vitro transcription of long RNA containing modified nucleosides. *Methods in Molecular Biology*, **2013**, 969, 29-42	1.4	72
49	A Multi-Targeting, Nucleoside-Modified mRNA Influenza Virus Vaccine Provides Broad Protection in Mice. *Molecular Therapy*, **2020**, 28, 1569-1584	11.7	69
48	The Transcription Factor T-bet Resolves Memory B Cell Subsets with Distinct Tissue Distributions and Antibody Specificities in Mice and Humans. *Immunity*, **2020**, 52, 842-855.e6	32.3	64
47	Nucleoside Modified mRNA Vaccines for Infectious Diseases. *Methods in Molecular Biology*, **2017**, 1499, 109-121	1.4	56
46	Characterization of HIV-1 Nucleoside-Modified mRNA Vaccines in Rabbits and Rhesus Macaques. *Molecular Therapy - Nucleic Acids*, **2019**, 15, 36-47	10.7	53

45	In vivo adenine base editing of PCSK9 in macaques reduces LDL cholesterol levels. *Nature Biotechnology*, **2021**, 39, 949-957	44.5	50
44	Chimeric spike mRNA vaccines protect against Sarbecovirus challenge in mice. *Science*, **2021**, 373, 991-998	33.3	48
43	Selective targeting of nanomedicine to inflamed cerebral vasculature to enhance the blood-brain barrier. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 3405-3414	11.1	47
42	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. *Journal of Controlled Release*, **2018**, 291, 106-115	11.7	45
41	Nucleoside-modified mRNA encoding HSV-2 glycoproteins C, D, and E prevents clinical and subclinical genital herpes. *Science Immunology*, **2019**, 4,	28	43
40	New Kids on the Block: RNA-Based Influenza Virus Vaccines. *Vaccines*, **2018**, 6,	5.3	40
39	Lipid nanoparticles enhance the efficacy of mRNA and protein subunit vaccines by inducing robust T follicular helper cell and humoral responses. *Immunity*, **2021**,	32.3	39
38	Purification of mRNA Encoding Chimeric Antigen Receptor Is Critical for Generation of a Robust T-Cell Response. *Human Gene Therapy*, **2019**, 30, 168-178	4.8	34
37	Development of vaccines and antivirals for combating viral pandemics. *Nature Biomedical Engineering*, **2020**, 4, 1128-1133	19	27
36	Messenger RNA-Based Vaccines Against Infectious Diseases. *Current Topics in Microbiology and Immunology*, **2020**, 1	3.3	24
35	Anti-PfGARP activates programmed cell death of parasites and reduces severe malaria. *Nature*, **2020**, 582, 104-108	50.4	23
34	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization		21
33	Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates **2020**,		20
32	mRNA Vaccines in the COVID-19 Pandemic and Beyond. *Annual Review of Medicine*, **2021**,	17.4	19
31	Lipid nanoparticle encapsulated nucleoside-modified mRNA vaccines elicit polyfunctional HIV-1 antibodies comparable to proteins in nonhuman primates. *Npj Vaccines*, **2021**, 6, 50	9.5	19
30	Vaccination with Messenger RNA: A Promising Alternative to DNA Vaccination. *Methods in Molecular Biology*, **2021**, 2197, 13-31	1.4	17
29	Human Cytomegalovirus Glycoprotein B Nucleoside-Modified mRNA Vaccine Elicits Antibody Responses with Greater Durability and Breadth than MF59-Adjuvanted gB Protein Immunization. *Journal of Virology*, **2020**, 94,	6.6	16
28	Highly efficient CD4+ T cell targeting and genetic recombination using engineered CD4+ cell-homing mRNA-LNPs. *Molecular Therapy*, **2021**, 29, 3293-3304	11.7	15

27	Murine liver repair via transient activation of regenerative pathways in hepatocytes using lipid nanoparticle-complexed nucleoside-modified mRNA. *Nature Communications*, **2021**, 12, 613	17.4	14
26	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. *PLoS Pathogens*, **2020**, 16, e1008795	7.6	12
25	Increased surface expression of HIV-1 envelope is associated with improved antibody response in vaccinia prime/protein boost immunization. *Virology*, **2018**, 514, 106-117	3.6	12
24	Chimeric spike mRNA vaccines protect against Sarbecoviru challenge in mice **2021**,		11
23	Messenger RNA expressing PfCSP induces functional, protective immune responses against malaria in mice. *Npj Vaccines*, **2021**, 6, 84	9.5	11
22	mRNA vaccination induces tick resistance and prevents transmission of the Lyme disease agent. *Science Translational Medicine*, **2021**, 13, eabj9827	17.5	10
21	Nucleoside-modified mRNA vaccination partially overcomes maternal antibody inhibition of de novo immune responses in mice. *Science Translational Medicine*, **2020**, 12,	17.5	10
20	Protection against herpes simplex virus type 2 infection in a neonatal murine model using a trivalent nucleoside-modified mRNA in lipid nanoparticle vaccine. *Vaccine*, **2020**, 38, 7409-7413	4.1	9
19	Lyophilization provides long-term stability for a lipid nanoparticle-formulated nucleoside-modified mRNA vaccine.. *Molecular Therapy*, **2022**,	11.7	8
18	Lipid-nanoparticle-encapsulated mRNA vaccines induce protective memory CD8 T cells against a lethal viral infection. *Molecular Therapy*, **2021**, 29, 2769-2781	11.7	8
17	Added to pre-existing inflammation, mRNA-lipid nanoparticles induce inflammation exacerbation (IE).. *Journal of Controlled Release*, **2021**,	11.7	7
16	Nucleoside-modified VEGFC mRNA induces organ-specific lymphatic growth and reverses experimental lymphedema. *Nature Communications*, **2021**, 12, 3460	17.4	6
15	Antigen modifications improve nucleoside-modified mRNA-based influenza virus vaccines in mice. *Molecular Therapy - Methods and Clinical Development*, **2021**, 22, 84-95	6.4	6
14	Measuring the Adjuvant Activity of RNA Vaccines. *Methods in Molecular Biology*, **2017**, 1499, 143-153	1.4	4
13	Lipid nanoparticle chemistry determines how nucleoside base modifications alter mRNA delivery. *Journal of Controlled Release*, **2021**, 341, 206-214	11.7	4
12	SARS-CoV-2 vaccination induces neutralizing antibodies against pandemic and pre-emergent SARS-related coronaviruses in monkeys **2021**,		4
11	mRNA-encoded HIV-1 Env trimer ferritin nanoparticles induce monoclonal antibodies that neutralize heterologous HIV-1 isolates in mice.. *Cell Reports*, **2022**, 38, 110514	10.6	2
10	Generating an Anti-HIV Vaccine Using Nucleoside-modified mRNA Encoding Envelope. *AIDS Research and Human Retroviruses*, **2014**, 30, A249-A249	1.6	1

9	Tick immunity using mRNA, DNA and protein-based Salp14 delivery strategies. *Vaccine*, **2021**, 39, 7661-7661	4.1	1
8	Trivalent nucleoside-modified mRNA vaccine yields durable memory B cell protection against genital herpes in preclinical models. *Journal of Clinical Investigation*, **2021**, 131,	15.9	1
7	Transient yet Robust Expression of Proteins in the Mouse Liver via Intravenous Injection of Lipid Nanoparticle-encapsulated Nucleoside-modified mRNA. *Bio-protocol*, **2021**, 11, e4184	0.9	1
6	Ability of nucleoside-modified mRNA to encode HIV-1 envelope trimer nanoparticles **2021**,		1
5	Nucleoside-modified mRNA vaccines protect IFNAR mice against Crimean Congo hemorrhagic fever virus infection. *Journal of Virology*, **2021**, JVI0156821	6.6	0
4	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		
3	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		
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