

Brian J Ward

List of Publications by Citations

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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.

88

papers

2,312

citations

28

h-index

45

g-index

93

ext. papers

2,930

ext. citations

7.3

avg, IF

4.86

L-index

#	Paper	IF	Citations
88	Preclinical and clinical development of plant-made virus-like particle vaccine against avian H5N1 influenza. <i>PLoS ONE</i> , 2010 , 5, e15559	3.7	200
87	Influenza virus-like particles produced by transient expression in <i>Nicotiana benthamiana</i> induce a protective immune response against a lethal viral challenge in mice. <i>Plant Biotechnology Journal</i> , 2008 , 6, 930-40	11.6	198
86	Successful treatment of drug-resistant cutaneous leishmaniasis in humans by use of imiquimod, an immunomodulator. <i>Clinical Infectious Diseases</i> , 2001 , 33, 1847-51	11.6	144
85	A plant-derived quadrivalent virus like particle influenza vaccine induces cross-reactive antibody and T cell response in healthy adults. <i>Clinical Immunology</i> , 2016 , 168, 72-87	9	92
84	Influenza virus-like particle vaccines made in <i>Nicotiana benthamiana</i> elicit durable, poly-functional and cross-reactive T cell responses to influenza HA antigens. <i>Clinical Immunology</i> , 2014 , 154, 164-77	9	72
83	Human antibody response to N-glycans present on plant-made influenza virus-like particle (VLP) vaccines. <i>Vaccine</i> , 2014 , 32, 6098-106	4.1	70
82	Cytokine production in vitro and the lymphoproliferative defect of natural measles virus infection. <i>Clinical Immunology and Immunopathology</i> , 1991 , 61, 236-48		66
81	Phase 1 randomized trial of a plant-derived virus-like particle vaccine for COVID-19. <i>Nature Medicine</i> , 2021 , 27, 1071-1078	50.5	66
80	Efficacy, immunogenicity, and safety of a plant-derived, quadrivalent, virus-like particle influenza vaccine in adults (18-64 years) and older adults (≥5 years): two multicentre, randomised phase 3 trials. <i>Lancet, The</i> , 2020 , 396, 1491-1503	40	62
79	Immunogenicity and safety of a quadrivalent plant-derived virus like particle influenza vaccine candidate-Two randomized Phase II clinical trials in 18 to 49 and ≥0 years old adults. <i>PLoS ONE</i> , 2019 , 14, e0216533	3.7	56
78	Travel and sexually transmitted infections. <i>Journal of Travel Medicine</i> , 2006 , 13, 300-17	12.9	56
77	Microneutralization assay titres correlate with protection against seasonal influenza H1N1 and H3N2 in children. <i>PLoS ONE</i> , 2015 , 10, e0131531	3.7	56
76	Retinoids inhibit measles virus through a type I IFN-dependent bystander effect. <i>FASEB Journal</i> , 2009 , 23, 3203-12	0.9	47
75	Development and durability of measles antigen-specific lymphoproliferative response after MMR vaccination. <i>Vaccine</i> , 2000 , 18, 1393-401	4.1	44
74	Standardization of Hemagglutination Inhibition Assay for Influenza Serology Allows for High Reproducibility between Laboratories. <i>Vaccine Journal</i> , 2016 , 23, 236-42		42
73	A Bivalent Meningococcal B Vaccine in Adolescents and Young Adults. <i>New England Journal of Medicine</i> , 2017 , 377, 2349-2362	59.2	41
72	A novel intranasal Protollin-based measles vaccine induces mucosal and systemic neutralizing antibody responses and cell-mediated immunity in mice. <i>Vaccine</i> , 2005 , 23, 1374-83	4.1	41

71	The establishment of surrogates and correlates of protection: Useful tools for the licensure of effective influenza vaccines?. <i>Human Vaccines and Immunotherapeutics</i> , 2018 , 14, 647-656	4.4	40
70	Ineffectiveness of the current strategy to prevent hepatitis A in travelers. <i>Journal of Travel Medicine</i> , 2002 , 9, 10-6	12.9	35
69	Humoral and cell-mediated immunity to pandemic H1N1 influenza in a Canadian cohort one year post-pandemic: implications for vaccination. <i>PLoS ONE</i> , 2011 , 6, e28063	3.7	34
68	Humoral and cell-mediated immune responses to H5N1 plant-made virus-like particle vaccine are differentially impacted by alum and GLA-SE adjuvants in a Phase 2 clinical trial. <i>Npj Vaccines</i> , 2018 , 3, 3	9.5	33
67	Seroprevalence of zoonoses in a Cree community (Canada). <i>Diagnostic Microbiology and Infectious Disease</i> , 2007 , 59, 283-6	2.9	32
66	Phase 1 trial of a Candidate Recombinant Virus-Like Particle Vaccine for Covid-19 Disease Produced in Plants		32
65	TLR4 and MyD88 control protection and pulmonary granulocytic recruitment in a murine intranasal RSV immunization and challenge model. <i>Vaccine</i> , 2009 , 27, 421-30	4.1	30
64	Seroprevalence of parasitic zoonoses and their relationship with social factors among the Canadian Inuit in Arctic regions. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014 , 78, 404-10	2.9	28
63	Development of a rapid serological assay for the diagnosis of strongyloidiasis using a novel diffraction-based biosensor technology. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3002	4.8	28
62	Travel-acquired infections and illnesses in Canadians: surveillance report from CanTravNet surveillance data, 2009-2011. <i>Open Medicine</i> , 2014 , 8, e20-32		28
61	Vaccine-associated enhanced disease: Case definition and guidelines for data collection, analysis, and presentation of immunization safety data. <i>Vaccine</i> , 2021 , 39, 3053-3066	4.1	28
60	Morphological characterization of a plant-made virus-like particle vaccine bearing influenza virus hemagglutinins by electron microscopy. <i>Vaccine</i> , 2018 , 36, 2147-2154	4.1	25
59	RIG-I is required for the inhibition of measles virus by retinoids. <i>PLoS ONE</i> , 2011 , 6, e22323	3.7	24
58	Evaluation of adjuvanted pandemic H1N1(2009) influenza vaccine after one and two doses in young children. <i>Pediatric Infectious Disease Journal</i> , 2011 , 30, 402-7	3.4	22
57	The Effect of Deworming on Growth in One-Year-Old Children Living in a Soil-Transmitted Helminth-Endemic Area of Peru: A Randomized Controlled Trial. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004020	4.8	20
56	Seroprevalence of 10 zoonotic infections in 2 Canadian Cree communities. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011 , 70, 191-9	2.9	20
55	Retinoids inhibit measles virus in vitro via nuclear retinoid receptor signaling pathways. <i>Antiviral Research</i> , 2008 , 80, 45-53	10.8	20
54	Disease manifestations of canine distemper virus infection in ferrets are modulated by vitamin A status. <i>Journal of Nutrition</i> , 2007 , 137, 1916-22	4.1	20

53	C57Bl/6 mice are protected from respiratory syncytial virus (RSV) challenge and IL-5 associated pulmonary eosinophilic infiltrates following intranasal immunization with Protollin-eRSV vaccine. <i>Vaccine</i> , 2007 , 25, 3228-32	4.1	20
52	Zoonotic infections in native communities of James Bay, Canada. <i>Vector-Borne and Zoonotic Diseases</i> , 2012 , 12, 473-81	2.4	19
51	Intranasal proteosome-based respiratory syncytial virus (RSV) vaccines protect BALB/c mice against challenge without eosinophilia or enhanced pathology. <i>Vaccine</i> , 2007 , 25, 5378-89	4.1	19
50	Vitamin A status in HIV infection. <i>Nutrition Research</i> , 1993 , 13, 157-166	4	18
49	Plant-made virus-like particle vaccines bearing the hemagglutinin of either seasonal (H1) or avian (H5) influenza have distinct patterns of interaction with human immune cells in vitro. <i>Vaccine</i> , 2017 , 35, 2592-2599	4.1	17
48	AS03-Adjuvanted, Very-Low-Dose Influenza Vaccines Induce Distinctive Immune Responses Compared to Unadjuvanted High-Dose Vaccines in BALB/c Mice. <i>Frontiers in Immunology</i> , 2015 , 6, 207	8.4	17
47	A Single Intramuscular Dose of a Plant-Made Virus-Like Particle Vaccine Elicits a Balanced Humoral and Cellular Response and Protects Young and Aged Mice from Influenza H1N1 Virus Challenge despite a Modest/Absent Humoral Response. <i>Vaccine Journal</i> , 2017 , 24,		16
46	Comparison of AS03 and Alum on immune responses elicited by A/H3N2 split influenza vaccine in young, mature and aged BALB/c mice. <i>Vaccine</i> , 2016 , 34, 1444-51	4.1	16
45	A plant-derived VLP influenza vaccine elicits a balanced immune response even in very old mice with co-morbidities. <i>PLoS ONE</i> , 2019 , 14, e0210009	3.7	16
44	Plant-derived virus-like particle vaccines drive cross-presentation of influenza A hemagglutinin peptides by human monocyte-derived macrophages. <i>Npj Vaccines</i> , 2019 , 4, 17	9.5	15
43	Plant-made virus-like particles bearing influenza hemagglutinin (HA) recapitulate early interactions of native influenza virions with human monocytes/macrophages. <i>Vaccine</i> , 2017 , 35, 4629-4636	4.1	15
42	Single radial haemolysis compared to haemagglutinin inhibition and microneutralization as a correlate of protection against influenza A H3N2 in children and adolescents. <i>Influenza and Other Respiratory Viruses</i> , 2017 , 11, 283-288	5.6	15
41	Unusual patterns of IgG avidity in some young children following two doses of the adjuvanted pandemic H1N1 (2009) influenza virus vaccine. <i>Vaccine Journal</i> , 2013 , 20, 459-67		14
40	Suboptimal Immunization Coverage among Canadian Rheumatology Patients in Routine Clinical Care. <i>Journal of Rheumatology</i> , 2020 , 47, 770-778	4.1	13
39	Sequencing of disease-modifying therapies for relapsing-remitting multiple sclerosis: a theoretical approach to optimizing treatment. <i>Current Medical Research and Opinion</i> , 2018 , 34, 1419-1430	2.5	13
38	In vitro inhibition of mumps virus by retinoids. <i>Virology Journal</i> , 2013 , 10, 337	6.1	12
37	STAT6 inhibitory peptide given during RSV infection of neonatal mice reduces exacerbated airway responses upon adult reinfection. <i>Journal of Leukocyte Biology</i> , 2017 , 101, 519-529	6.5	12
36	Dermatoses among returned Canadian travellers and immigrants: surveillance report based on CanTravNet data, 2009-2012. <i>CMAJ Open</i> , 2015 , 3, E119-26	2.5	12

35	No evidence for short or long term morbidity after increased titer measles vaccination in Sudan. <i>Pediatric Infectious Disease Journal</i> , 2002 , 21, 112-9	3.4	12
34	Phase III: Randomized observer-blind trial to evaluate lot-to-lot consistency of a new plant-derived quadrivalent virus like particle influenza vaccine in adults 18-49 years of age. <i>Vaccine</i> , 2021 , 39, 1528-1533	4.1	12
33	Prime-pull vaccination with a plant-derived virus-like particle influenza vaccine elicits a broad immune response and protects aged mice from death and frailty after challenge. <i>Immunity and Ageing</i> , 2019 , 16, 27	9.7	12
32	Generation and characterization of a trackable plant-made influenza H5 virus-like particle (VLP) containing enhanced green fluorescent protein (eGFP). <i>FASEB Journal</i> , 2015 , 29, 3817-27	0.9	10
31	Apolipoprotein A-I truncations in Chagas disease are caused by cruzipain, the major cysteine protease of <i>Trypanosoma cruzi</i> . <i>American Journal of Pathology</i> , 2014 , 184, 976-984	5.8	9
30	Immunogenicity and safety of high-dose versus standard-dose inactivated influenza vaccine in rheumatoid arthritis patients: a randomised, double-blind, active-comparator trial. <i>Lancet Rheumatology</i> , 2020 , 2, e14-e23	14.2	9
29	Vaccination against the digestive enzyme Cathepsin B using a YS1646 Salmonella enterica Typhimurium vector provides almost complete protection against <i>Schistosoma mansoni</i> challenge in a mouse model. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007490	4.8	9
28	Discovery and characterization of potential prognostic biomarkers for dengue hemorrhagic fever. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 91, 1218-26	3.2	8
27	Expert Forecasts of COVID-19 Vaccine Development Timelines. <i>Journal of General Internal Medicine</i> , 2020 , 35, 3753-3755	4	8
26	Characterization of the innate stimulatory capacity of plant-derived virus-like particles bearing influenza hemagglutinin. <i>Vaccine</i> , 2018 , 36, 8028-8038	4.1	8
25	Comparative Immunogenicity of the 2014-2015 Northern Hemisphere Trivalent IIV and LAIV against Influenza A Viruses in Children. <i>Vaccines</i> , 2019 , 7,	5.3	7
24	Efficacy and Safety of a Recombinant Plant-Based Adjuvanted Covid-19 Vaccine.. <i>New England Journal of Medicine</i> , 2022 ,	59.2	7
23	Inhibition of STAT6 during vaccination with formalin-inactivated RSV prevents induction of Th2-cell-biased airway disease. <i>European Journal of Immunology</i> , 2014 , 44, 2349-59	6.1	6
22	A family cluster of Chagas disease detected through selective screening of blood donors: A case report and brief review. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2015 , 26, 157-61	2.6	6
21	Identification of Candidate Serum Biomarkers for <i>Schistosoma mansoni</i> Infected Mice Using Multiple Proteomic Platforms. <i>PLoS ONE</i> , 2016 , 11, e0154465	3.7	6
20	Safety, immunogenicity, and protection provided by unadjuvanted and adjuvanted formulations of a recombinant plant-derived virus-like particle vaccine candidate for COVID-19 in nonhuman primates.. <i>Cellular and Molecular Immunology</i> , 2022 ,	15.4	5
19	Needle-free delivery of influenza vaccine using the Med-Jet H4 is efficient and elicits the same humoral and cellular responses as standard IM injection: A randomized trial. <i>Vaccine</i> , 2019 , 37, 1332-1339	4.1	4
18	Assessment of population immunity to measles in Ontario, Canada: a Canadian Immunization Research Network (CIRN) study. <i>Human Vaccines and Immunotherapeutics</i> , 2019 , 15, 2856-2864	4.4	4

17	Increased emergency room visits or hospital admissions in females after 12-month MMR vaccination, but no difference after vaccinations given at a younger age. <i>Vaccine</i> , 2014 , 32, 1153-9	4.1	4
16	Retinol (vitamin A) supplements in the elderly. <i>Drugs and Aging</i> , 1996 , 9, 48-59	4.7	4
15	Serum Carbonic Anhydrase 1 is a Biomarker for Diagnosis of Human Infection. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 96, 842-849	3.2	4
14	Low hemagglutinin antigen dose influenza vaccines adjuvanted with AS03 alter the long-term immune responses in BALB/c mice. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 561-571	4.4	4
13	Immunologic characterization of a novel inactivated nasal mumps virus vaccine adjuvanted with Protollin. <i>Vaccine</i> , 2014 , 32, 238-45	4.1	3
12	Exposure to lead and vaccine-specific IgG titers in South African children participating in the Venda Health Examination of Mothers, Babies and their Environment (VHEMBE): A longitudinal study. <i>Environmental Research</i> , 2020 , 180, 108794	7.9	3
11	Cryptococcal Meningitis Reported With Fingolimod Treatment: Case Series.. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2022 , 9,	9.1	3
10	Vaccination against by Use of an Attenuated Serovar Typhimurium Vector (YS1646) Protects Mice from Lethal Challenge. <i>Infection and Immunity</i> , 2019 , 87,	3.7	2
9	Barriers and facilitators to influenza and pneumococcal vaccine hesitancy in rheumatoid arthritis: a qualitative study. <i>Rheumatology</i> , 2021 , 60, 5257-5270	3.9	2
8	A novel serological assay for influenza based on DiD fluorescence dequenching that is free from observer bias and potentially automatable - A proof of concept study. <i>Vaccine</i> , 2018 , 36, 4485-4493	4.1	2
7	Relative effectiveness of influenza vaccines in elderly persons in the United States, 2012/2013-2017/2018 seasons. <i>Npj Vaccines</i> , 2021 , 6, 108	9.5	2
6	Therapeutic activity of a Salmonella-vectored Schistosoma mansoni vaccine in a mouse model of chronic infection. <i>Vaccine</i> , 2021 , 39, 5580-5588	4.1	2
5	Lack of effects on female fertility or pre- and postnatal development of offspring in rats after exposure to AS03-adjuvanted recombinant plant-derived virus-like particle vaccine candidate for COVID-19. <i>Reproductive Toxicology</i> , 2021 , 107, 69-80	3.4	1
4	Is Conflict of interest Ta Misnomer? Managing interests in immunization research and evaluation. <i>Human Vaccines and Immunotherapeutics</i> , 2021 , 1-6	4.4	1
3	A multimodal intervention increases influenza vaccine uptake in rheumatoid arthritis. <i>Clinical Rheumatology</i> , 2021 , 40, 575-579	3.9	1
2	Elimination of receptor binding by influenza hemagglutinin improves vaccine-induced immunity.. <i>Npj Vaccines</i> , 2022 , 7, 42	9.5	1
1	Relationship between lay and expert perceptions of COVID-19 vaccine development timelines in Canada and USA.. <i>PLoS ONE</i> , 2022 , 17, e0262740	3.7	