

# D Neil Wedlock

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

2,405  
citations

185998

28  
h-index

197535

49  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping immunogenic epitopes of an adhesin-like protein from <i>Methanobrevibacter ruminantium</i> M1 and comparison of empirical data with in silico prediction methods. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
2	Test performance data demonstrates utility of a cattle DIVA skin test reagent (DST-F) compatible with BCG vaccination. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
3	Heterologous peptide display on chromatin nanofibers: A new strategy for peptide vaccines. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 825-831.	1.0	2
4	Self-assembled particulate vaccine elicits strong immune responses and reduces <i>Mycobacterium avium</i> subsp. paratuberculosis infection in mice. <i>Scientific Reports</i> , 2020, 10, 22289.	1.6	6
5	Detection of microRNA in cattle serum and their potential use to diagnose severity of Johne's disease. <i>Journal of Dairy Science</i> , 2018, 101, 10259-10270.	1.4	34
6	Bioengineering a bacterial pathogen to assemble its own particulate vaccine capable of inducing cellular immunity. <i>Scientific Reports</i> , 2017, 7, 41607.	1.6	23
7	Immunological properties and protective efficacy of a single mycobacterial antigen displayed on polyhydroxybutyrate beads. <i>Microbial Biotechnology</i> , 2017, 10, 1434-1440.	2.0	10
8	Self-Assembled Protein-Coated Polyhydroxyalkanoate Beads: Properties and Biomedical Applications. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3043-3057.	2.6	55
9	Vaccination of cattle with a high dose of BCG vaccine 3 weeks after experimental infection with <i>Mycobacterium bovis</i> increased the inflammatory response, but not tuberculous pathology. <i>Tuberculosis</i> , 2016, 99, 120-127.	0.8	9
10	Immunogenicity of antigens from <i>Mycobacterium tuberculosis</i> self-assembled as particulate vaccines. <i>International Journal of Medical Microbiology</i> , 2016, 306, 624-632.	1.5	33
11	Display of Antigens on Polyester Inclusions Lowers the Antigen Concentration Required for a Bovine Tuberculosis Skin Test. <i>Vaccine Journal</i> , 2016, 23, 19-26.	3.2	22
12	Vaccination of Sheep with a Methanogen Protein Provides Insight into Levels of Antibody in Saliva Needed to Target Ruminant Methanogens. <i>PLoS ONE</i> , 2016, 11, e0159861.	1.1	16
13	Vaccination of cattle with a methanogen protein produces specific antibodies in the saliva which are stable in the rumen. <i>Veterinary Immunology and Immunopathology</i> , 2015, 164, 201-207.	0.5	23
14	Grazing dairy cows had decreased interferon- $\gamma$ , tumor necrosis factor, and interleukin-17, and increased expression of interleukin-10 during the first week after calving. <i>Journal of Dairy Science</i> , 2015, 98, 937-946.	1.4	31
15	Revaccination of Cattle with Bacille Calmette-Guérin Two Years after First Vaccination when Immunity Has Waned, Boosted Protection against Challenge with <i>Mycobacterium bovis</i> . <i>PLoS ONE</i> , 2014, 9, e106519.	1.1	41
16	New Skin Test for Detection of Bovine Tuberculosis on the Basis of Antigen-Displaying Polyester Inclusions Produced by Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 2526-2535.	1.4	36
17	Comparison of gene expression of immune mediators in lung and pulmonary lymph node granulomas from cattle experimentally infected with <i>Mycobacterium bovis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 81-89.	0.5	21
18	Dairy cows produce cytokine and cytotoxic T cell responses following vaccination with an antigenic fraction from <i>Streptococcus uberis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 51-60.	0.5	9

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19	Novel particulate vaccines utilizing polyester nanoparticles (bio-beads) for protection against <i>Mycobacterium bovis</i> infection—A review. <i>Veterinary Immunology and Immunopathology</i> , 2014, 158, 8-13.	0.5	26
20	Subcutaneous Administration of a 10-Fold-Lower Dose of a Commercial Human Tuberculosis Vaccine, <i>Mycobacterium bovis</i> Bacillus Calmette-Guérin Danish, Induced Levels of Protection against Bovine Tuberculosis and Responses in the Tuberculin Intradermal Test Similar to Those Induced by a Standard Cattle Dose. <i>Vaccine Journal</i> , 2013, 20, 1559-1562.	3.2	21
21	Vaccines Displaying Mycobacterial Proteins on Biopolyester Beads Stimulate Cellular Immunity and Induce Protection against Tuberculosis. <i>Vaccine Journal</i> , 2012, 19, 37-44.	3.2	61
22	Immune responses associated with progression and control of infection in calves experimentally challenged with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2012, 149, 225-236.	0.5	46
23	Altered patterns of toll-like receptor gene expression in cull cows infected with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2012, 145, 471-478.	0.5	266
24	Protection against bovine tuberculosis induced by oral vaccination of cattle with <i>Mycobacterium bovis</i> BCG is not enhanced by co-administration of mycobacterial protein vaccines. <i>Veterinary Immunology and Immunopathology</i> , 2011, 144, 220-227.	0.5	18
25	Diverse Cytokine Profile from Mesenteric Lymph Node Cells of Cull Cows Severely Affected with Johne's Disease. <i>Vaccine Journal</i> , 2011, 18, 1467-1476.	3.2	285
26	Low oral BCG doses fail to protect cattle against an experimental challenge with <i>Mycobacterium bovis</i> . <i>Tuberculosis</i> , 2011, 91, 400-405.	0.8	19
27	Strategies to reduce methane emissions from farmed ruminants grazing on pasture. <i>Veterinary Journal</i> , 2011, 188, 11-17.	0.6	130
28	Update on vaccination of cattle and wildlife populations against tuberculosis. <i>Veterinary Microbiology</i> , 2011, 151, 14-22.	0.8	53
29	<i>Streptococcus uberis</i> -specific T cells are present in mammary gland secretions of cows and can be activated to kill <i>S. uberis</i> . <i>Veterinary Research Communications</i> , 2011, 35, 145-156.	0.6	21
30	Bacterial Polyester Inclusions Engineered To Display Vaccine Candidate Antigens for Use as a Novel Class of Safe and Efficient Vaccine Delivery Agents. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7739-7744.	1.4	53
31	Interleukin-1 $\beta$ infusion in bovine mammary glands prior to challenge with <i>Streptococcus uberis</i> reduces bacterial growth but causes sterile mastitis. <i>Veterinary Research Communications</i> , 2008, 32, 439-447.	0.6	7
32	Vaccination of cattle with <i>Mycobacterium bovis</i> BCG by a combination of systemic and oral routes. <i>Tuberculosis</i> , 2008, 88, 595-600.	0.8	25
33	Enhanced Protection against Bovine Tuberculosis after Coadministration of <i>Mycobacterium bovis</i> BCG with a Mycobacterial Protein Vaccine-Adjuvant Combination but Not after Coadministration of Adjuvant Alone. <i>Vaccine Journal</i> , 2008, 15, 765-772.	3.2	53
34	Enhancement of the Sensitivity of the Whole-Blood Gamma Interferon Assay for Diagnosis of <i>Mycobacterium bovis</i> Infections in Cattle. <i>Vaccine Journal</i> , 2007, 14, 1483-1489.	3.2	29
35	Vaccination of cattle with Danish and Pasteur strains of <i>Mycobacterium bovis</i> BCG induce different levels of IFN $\gamma$ post-vaccination, but induce similar levels of protection against bovine tuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2007, 118, 50-58.	0.5	62
36	Bactericidal activity of macrophages against <i>Streptococcus uberis</i> is different in mammary gland secretions of lactating and drying off cows. <i>Veterinary Immunology and Immunopathology</i> , 2006, 114, 111-120.	0.5	29

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37	Vaccination of brushtail possums, <i>Trichosurus vulpecula</i> , with Bacille Calmette-Guérin induces T lymphocytes that reduce <i>Mycobacterium bovis</i> replication in alveolar macrophages via a contact-dependent/nitric oxide-independent mechanism. <i>Immunology and Cell Biology</i> , 2005, 83, 57-66.	1.0	2
38	IFN- $\gamma$ enhances bovine macrophage responsiveness to <i>Mycobacterium bovis</i> : Impact on bacterial replication, cytokine release and macrophage apoptosis. <i>Immunology and Cell Biology</i> , 2005, 83, 643-650.	1.0	37
39	Cattle as a model for development of vaccines against human tuberculosis. <i>Tuberculosis</i> , 2005, 85, 19-24.	0.8	52
40	Susceptibility of brushtail possums ( <i>Trichosurus vulpecula</i> ) infected with <i>Mycobacterium bovis</i> is associated with a transient macrophage activation profile. <i>Tuberculosis</i> , 2005, 85, 235-244.	0.8	2
41	The Order of Prime-Boost Vaccination of Neonatal Calves with <i>Mycobacterium bovis</i> BCG and a DNA Vaccine Encoding Mycobacterial Proteins Hsp65, Hsp70, and Apa Is Not Critical for Enhancing Protection against Bovine Tuberculosis. <i>Infection and Immunity</i> , 2005, 73, 4441-4444.	1.0	59
42	Vaccination of Cattle with a CpG Oligodeoxynucleotide-Formulated Mycobacterial Protein Vaccine and <i>Mycobacterium bovis</i> BCG Induces Levels of Protection against Bovine Tuberculosis Superior to Those Induced by Vaccination with BCG Alone. <i>Infection and Immunity</i> , 2005, 73, 3540-3546.	1.0	60
43	Identification of immune response correlates for protection against bovine tuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2005, 108, 45-51.	0.5	63
44	Effect of oral vaccination of cattle with lipid-formulated BCG on immune responses and protection against bovine tuberculosis. <i>Vaccine</i> , 2005, 23, 3581-3589.	1.7	76
45	Ability of T cell subsets and their soluble mediators to modulate the replication of <i>Mycobacterium bovis</i> in bovine macrophages. <i>Cellular Immunology</i> , 2004, 232, 1-8.	1.4	24
46	Effect of recombinant cytokines on leucocytes and physiological changes in bovine mammary glands during early involution. <i>Journal of Dairy Research</i> , 2004, 71, 154-161.	0.7	21
47	Development of vaccines to control bovine tuberculosis in cattle and relationship to vaccine development for other intracellular pathogens. <i>International Journal for Parasitology</i> , 2003, 33, 555-566.	1.3	38
48	A DNA Prime- <i>Mycobacterium bovis</i> BCG Boost Vaccination Strategy for Cattle Induces Protection against Bovine Tuberculosis. <i>Infection and Immunity</i> , 2003, 71, 4901-4907.	1.0	125
49	Control of <i>Mycobacterium bovis</i> infections and the risk to human populations. <i>Microbes and Infection</i> , 2002, 4, 471-480.	1.0	75
50	Mucosal immunity in the brushtail possum ( <i>Trichosurus vulpecula</i> ): Detection of antibody in serum and at female reproductive sites after intranasal immunization. <i>Immunology and Cell Biology</i> , 2002, 80, 358-363.	1.0	5
51	Effects of yeast expressed recombinant interleukin-2 and interferon- $\gamma$ on physiological changes in bovine mammary glands and on bactericidal activity of neutrophils. <i>Journal of Dairy Research</i> , 2000, 67, 189-197.	0.7	11
52	Vaccination of Cattle with <i>Mycobacterium bovis</i> Culture Filtrate Proteins and Interleukin-2 for Protection against Bovine Tuberculosis. <i>Infection and Immunity</i> , 2000, 68, 5809-5815.	1.0	44
53	Immune Responses Induced in Cattle by Virulent and Attenuated <i>Mycobacterium bovis</i> Strains: Correlation of Delayed-Type Hypersensitivity with Ability of Strains To Grow in Macrophages. <i>Infection and Immunity</i> , 1999, 67, 2172-2177.	1.0	58
54	Nucleotide Sequence of a Marsupial Interleukin-10 cDNA from the Australian Brushtail Possum ( <i>Trichosurus Vulpecula</i> ). <i>DNA Sequence</i> , 1998, 9, 239-244.	0.7	15

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55	Molecular cloning and characterization of tumour necrosis factor alpha (TNF- $\alpha$ ) from the Australian common brushtail possum, <i>Trichosurus vulpecula</i> . <i>Immunology and Cell Biology</i> , 1996, 74, 151-158.	1.0	27
56	Adrenal Autoantibodies and Naturally Occuring Mutations in 21-Hydroxylase. <i>Autoimmunity</i> , 1994, 17, 339-341.	1.2	2
57	Transformation of a glucose negative mutant of <i>Pachysolen tannophilus</i> with a plasmid carrying the cloned hexokinase PII gene from <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 1989, 11, 601-604.	1.1	5
58	Strain improvement of the xylose-fermenting yeast <i>Pachysolen tannophilus</i> by hybridisation of two mutant strains. <i>Biotechnology Letters</i> , 1986, 8, 801-806.	1.1	17