Stephen W Walkden-Brown

List of Publications by Year
in descending order

93	2,071	236612	276539
papers	citations	25 h-index	41 g-index

93	93	93	1583
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Imperfect Vaccination Can Enhance the Transmission of Highly Virulent Pathogens. PLoS Biology, 2015, 13, e1002198.	2.6	291
2	Absolute quantitation of Marek's disease virus and Herpesvirus of turkeys in chicken lymphocyte, feather tip and dust samples using real-time PCR. Journal of Virological Methods, 2006, 132, 127-134.	1.0	91
3	The male effect in the Australian cashmere goat. 3. Enhancement with buck nutrition and use of oestrous females. Animal Reproduction Science, 1993, 32, 69-84.	0.5	90
4	Differential amplification and quantitation of Mareká€™s disease viruses using real-time polymerase chain reaction. Journal of Virological Methods, 2004, 119, 103-113.	1.0	87
5	VACCINATION AND REDUCED COHORT DURATION CAN DRIVE VIRULENCE EVOLUTION: MAREKâ€™S DISEASE VIRUS AND INDUSTRIALIZED AGRICULTURE. Evolution; International Journal of Organic Evolution, 2013, 67, 851-860.	1.1	73
6	Pathotyping of Australian isolates of Marek's disease virus and association of pathogenicity withmeqgene polymorphism. Avian Pathology, 2012, 41, 161-176.	0.8	66
7	Seasonality in male Australian cashmere goats: Long term effects of castration and testosterone or oestradiol treatment on changes in LH, FSH and prolactin concentrations, and body growth. Small Ruminant Research, 1997, 26, 239-252.	0.6	62
8	Enhancing immunity to nematode parasites in single-bearing Merino ewes through nutrition and genetic selection. Veterinary Parasitology, 2003, 112, 211-225.	0.7	61
9	Quantitative profiling of the shedding rate of the three Marek's disease virus (MDV) serotypes reveals that challenge with virulent MDV markedly increases shedding of vaccinal viruses. Journal of General Virology, 2007, 88, 2121-2128.	1.3	56
10	The male effect in the Australian cashmere goat. 2. Role of olfactory cues from the male. Animal Reproduction Science, 1993, 32, 55-67.	0.5	49
11	The induction of ovulation in anovulatory goats by oestrous females. Animal Reproduction Science, 1995, 40, 299-303.	0.5	46
12	Kinetics of Marek's disease virus (MDV) infection in broiler chickens 1: effect of varying vaccination to challenge interval on vaccinal protection and load of MDV and herpesvirus of turkey in the spleen and feather dander over time. Avian Pathology, 2008, 37, 225-235.	0.8	42
13	Cross-Protection of Chicken Immunoglobulin Y Antibodies against H5N1 and H1N1 Viruses Passively Administered in Mice. Vaccine Journal, 2011, 18, 1083-1090.	3.2	40
14	Determinants of the annual pattern of reproduction in mature male Merino and Suffolk sheep: responses to a nutritional stimulus in the breeding and non-breeding seasons. Reproduction, Fertility and Development, 2003, 15, 1.	0.1	38
15	Determinants of the annual pattern of reproduction in mature male Merino and Suffolk sheep: modification of responses to photoperiod by an annual cycle in food supply. Reproduction, Fertility and Development, 2002, 14, 165.	0.1	37
16	Development, Application, and Results of Routine Monitoring of Marek's Disease Virus in Broiler House Dust Using Real-Time Quantitative PCR. Avian Diseases, 2013, 57, 544-554.	0.4	37
17	Evaluation of high dietary inclusion of distillers dried grains with solubles and supplementation of protease and xylanase in the diets of broiler chickens under necrotic enteritis challenge. Poultry Science, 2013, 92, 1579-1594.	1.5	31
18	Global and regional prevalence of helminth infection in chickens over time: a systematic review and meta-analysis. Poultry Science, 2021, 100, 101082.	1.5	31

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19	The male effect in the Australian cashmere goat. 1. Ovarian and behavioural response of seasonally anovulatory does following the introduction of bucks. Animal Reproduction Science, 1993, 32, 41-53.	0.5	30
20	Some physiological responses associated with reduced wool growth during blowfly strike in Merino sheep. Australian Veterinary Journal, 2005, 83, 695-699.	0.5	30
21	Absolute quantification using real-time polymerase chain reaction of Marek's disease virus serotype 2 in field dust samples, feather tips and spleens. Journal of Virological Methods, 2006, 135, 186-191.	1.0	30
22	Relationship between Marek's disease virus load in peripheral blood lymphocytes at various stages of infection and clinical Marek's disease in broiler chickens. Avian Pathology, 2006, 35, 42-48.	0.8	29
23	Intensive rotational grazing assists control of gastrointestinal nematodosis of sheep in a cool temperate environment with summer-dominant rainfall. Veterinary Parasitology, 2008, 153, 108-120.	0.7	29
24	Immunisation of goat bucks against GnRH to prevent seasonal reproductive and agonistic behaviour. Animal Reproduction Science, 1996, 44, 41-54.	0.5	28
25	Effects of outdoor ranging on external and internal health parameters for hens from different rearing enrichments. PeerJ, 2020, 8, e8720.	0.9	26
26	Testicular and epididymal sperm content in grazing Cashmere bucks: seasonal variation and prediction from measurements in vivo. Reproduction, Fertility and Development, 1994, 6, 727.	0.1	25
27	Modelling Marek's Disease Virus (MDV) infection: parameter estimates for mortality rate and infectiousness. BMC Veterinary Research, 2011, 7, 70.	0.7	24
28	Prevalence of Marek's Disease Virus in Different Chicken Populations in Iraq and Indicative Virulence Based on Sequence Variation in the EcoRI-Q (meq) Gene. Avian Diseases, 2013, 57, 562-568.	0.4	24
29	Nutritional Modulation of Resistance and Resilience to Gastrointestinal Nematode Infection - A Review. Asian-Australasian Journal of Animal Sciences, 2002, 15, 912-924.	2.4	24
30	Differentiation between pathogenic serotype 1 isolates of Marek's disease virus and the Rispens CVI988 vaccine in Australia using real-time PCR and high resolution melt curve analysis. Journal of Virological Methods, 2013, 187, 144-152.	1.0	23
31	Pathotyping of <scp>A</scp>ustralian isolates of <scp>M</scp>arek's disease virus in commercial broiler chickens vaccinated with herpesvirus of turkeys (<scp>HVT</scp>) or bivalent (<scp>HVT/SB1</scp>) vaccine and association with viral load in the spleen and feather dander. Australian Veterinary Journal, 2013, 91, 341-350.	0.5	22
32	Microbial communities of poultry house dust, excreta and litter are partially representative of microbiota of chicken caecum and ileum. PLoS ONE, 2021, 16, e0255633.	1.1	22
33	Seasonal variation in voluntary feed intake and growth in cashmere bucks fed ad libitum diets of low or high quality. Australian Journal of Agricultural Research, 1994, 45, 355.	1.5	21
34	Effects of vaccine dose, virus challenge dose and interval from vaccination to challenge on protection of broiler chickens against Marek's disease virus challenge. Australian Veterinary Journal, 2007, 85, 348-355.	0.5	21
35	The effectiveness of mass vaccination on Marek's disease virus (MDV) outbreaks and detection within a broiler barn: A modeling study. Epidemics, 2013, 5, 208-217.	1.5	20
36	Comparison of strategies to provide lambing paddocks of low gastro-intestinal nematode infectivity in a summer rainfall region of Australia. Veterinary Parasitology, 2009, 161, 218-231.	0.7	19

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37	A practical method for assessing infectious laryngotracheitis vaccine take in broilers following mass administration in water: Spatial and temporal variation in viral genome content of poultry dust after vaccination. Veterinary Microbiology, 2020, 241, 108545.	0.8	17
38	Uptake and spread of infectious laryngotracheitis vaccine virus within meat chicken flocks following drinking water vaccination. Vaccine, 2019, 37, 5035-5043.	1.7	16
39	Spatial and temporal variation of Mareks disease virus and infectious laryngotracheitis virus genome in dust samples following live vaccination of layer flocks. Veterinary Microbiology, 2019, 236, 108393.	0.8	16
40	Real-time PCR quantification of infectious laryngotracheitis virus in chicken tissues, faeces, isolator-dust and bedding material over 28 days following infection reveals high levels in faeces and dust. Journal of General Virology, 2015, 96, 3338-3347.	1.3	16
41	Effects of Rispens CVI988 vaccination followed by challenge with Mareks disease viruses of differing virulence on the replication kinetics and shedding of the vaccine and challenge viruses. Veterinary Microbiology, 2016, 183, 21-29.	0.8	15
42	Comparative therapeutic efficacies of oral and in-water administered levamisole, piperazine and fenbendazole against experimental Ascaridia galli infection in chickens. Veterinary Parasitology, 2021, 298, 109514.	0.7	15
43	Methods to prevent PCR amplification of DNA from non-viable virus were not successful for infectious laryngotracheitis virus. PLoS ONE, 2020, 15, e0232571.	1.1	15
44	Viral Kinetics, Shedding Profile, and Transmission of Serotype 1 Marek's Disease Vaccine Rispens/CVI988 in Maternal Antibody-Free Chickens. Avian Diseases, 2013, 57, 454-463.	0.4	14
45	Field studies of the detection, persistence and spread of the Rispens <scp>CVI988</scp> vaccine virus and the extent of coinfection with Marek's disease virus. Australian Veterinary Journal, 2016, 94, 329-337.	0.5	14
46	Protection provided by Rispens CVI988 vaccine against Marek's disease virus isolates of different pathotypes and early prediction of vaccine take and MD outcome. Avian Pathology, 2016, 45, 26-37.	0.8	13
47	A quantitative trait locus for faecal worm egg and blood eosinophil counts on chromosome 23 in Australian goats. Journal of Animal Breeding and Genetics, 2010, 127, 207-214.	0.8	12
48	Effect of vaccine storage temperatures and dose rate on antibody responses to foot and mouth disease vaccination in Cambodia. Veterinary Medicine and Science, 2018, 4, 35-44.	0.6	12
49	Development of a chick bioassay for determination of infectivity of viral pathogens in poultry litter. Australian Veterinary Journal, 2013, 91, 65-71.	0.5	10
50	Viability and development of Ascaridia galli eggs recovered in artificial media followed by storage under different conditions. Journal of Helminthology, 2020, 94, e199.	0.4	10
51	Protective efficacy of BarbervaxÂ® in Merino weaner sheep trickle infected with five doses of Haemonchus contortus infective larvae. Veterinary Parasitology, 2021, 292, 109386.	0.7	10
52	Risk factors for Merino ewe mortality on the Northern Tablelands of New South Wales, Australia. Australian Veterinary Journal, 2014, 92, 58-61.	0.5	9
53	Replication kinetics and shedding of very virulent Marek's disease virus and vaccinal Rispens/CVI988 virus during single and mixed infections varying in order and interval between infections. Veterinary Microbiology, 2014, 173, 208-223.	0.8	9
54	Characterization of poultry house dust using chemometrics and scanning electron microscopy imaging. Poultry Science, 2021, 100, 101188.	1.5	9

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55	Genomic deletions and mutations resulting in the loss of eight genes reduce the in vivo replication capacity of Meleagrid herpesvirus 1. Virus Genes, 2015, 51, 85-95.	0.7	8
56	A simplified BarbervaxÂ® vaccination regimen in lambs to evoke immunological protection to Haemonchus contortus. Veterinary Parasitology, 2020, 287, 109243.	0.7	8
57	Evaluation of BarbervaxÂ® vaccination for lambing Merino ewes. Veterinary Parasitology, 2020, 283, 109187.	0.7	8
58	Endemic infection of cattle with multiple genotypes of Theileria orientalis on the Northern Tablelands of New South Wales despite limited presence of ticks. Ticks and Tick-borne Diseases, 2021, 12, 101645.	1.1	8
59	Effects of chronic infection with Trichostrongylus vitrinus and immune suppression with corticosteroid on parasitological, immune and performance variables in crossbred meat lambs. Research in Veterinary Science, 2015, 100, 138-147.	0.9	7
60	Immune-mediated responses account for the majority of production loss for grazing meat-breed lambs during Trichostrongylus colubriformis infection. Veterinary Parasitology, 2016, 216, 23-32.	0.7	7
61	Assessment of A20 infectious laryngotracheitis vaccine take in meat chickens using swab and dust samples following mass vaccination in drinking water. Veterinary Microbiology, 2020, 251, 108903.	0.8	7
62	Genomic Stability for PCR Detection of Infectious Laryngotracheitis Virus and Infectious Bronchitis Virus in Poultry Dust Samples Stored Under Different Conditions. Avian Diseases, 2020, 64, 565-570.	0.4	7
63	Ascaridia galli challenge model for worm propagation in young chickens with or without immunosuppression. Veterinary Parasitology, 2022, 301, 109624.	0.7	7
64	Twin efficiency for reproductive variables in monozygotic twin sheep. Theriogenology, 2007, 68, 663-672.	0.9	6
65	Marked differences in virulence of three Australian field isolates of infectious laryngotracheitis virus in meat and layer chickens. Avian Pathology, 2020, 49, 600-610.	0.8	6
66	Molecular detection of Eimeria species and Clostridium perfringens in poultry dust and pooled excreta of commercial broiler chicken flocks differing in productive performance. Veterinary Parasitology, 2021, 291, 109361.	0.7	6
67	Detection and distribution of haematophagous flies and lice on cattle farms and potential role in the transmission of Theileria orientalis. Veterinary Parasitology, 2021, 298, 109516.	0.7	6
68	Comparison of the Modified McMaster and Mini-FLOTAC methods for the enumeration of nematode eggs in egg spiked and naturally infected chicken excreta. Veterinary Parasitology, 2021, 299, 109582.	0.7	6
69	Use of developmental temperature and gastrointestinal tract location to isolate pure Trichostrongylus vitrinus from mixed, naturally acquired trichostrongylid infections in sheep. Australian Veterinary Journal, 2015, 93, 221-224.	0.5	5
70	Spatial and temporal distribution of Culicoides species in the New England region of New South Wales, Australia between 1990 and 2018. PLoS ONE, 2021, 16, e0249468.	1.1	5
71	Detection and Quantification of Clostridium perfringens and Eimeria spp. in Poultry Dust Using Real-Time PCR Under Experimental and Field Conditions. Avian Diseases, 2020, 65, 77-85.	0.4	5
72	Tissue distribution, shedding and environmental detection of infectious bursal disease virus genome following infection of meat chickens at two ages. Australian Veterinary Journal, 2018, 96, 167-175.	0.5	4

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73	A Melanin bleaching method to prevent non-specific immunostaining of chicken feathers. MethodsX, 2020, 7, 100957.	0.7	4
74	Detection of infectious laryngotracheitis virus (ILTV) in tissues and blood fractions from experimentally infected chickens using PCR and immunostaining analyses. Research in Veterinary Science, 2021, 134, 64-68.	0.9	4
75	A molecular based method for rapid detection of Salmonella spp. in poultry dust samples. MethodsX, 2021, 8, 101356.	0.7	4
76	Airborne Transmission of Vaccinal and Wild Type Infectious Laryngotracheitis Virus and Noninfectivity of Extracts of Excreta from Infected Chickens. Avian Diseases, 2020, 65, 30-39.	0.4	4
77	Investigation of the combined efficacy of two Haemonchus contortus vaccines in weaner Merino sheep. Veterinary Parasitology, 2022, 301, 109637.	0.7	4
78	Propagation of an Avirulent Turkey Hemorrhagic Enteritis Virus Isolate in Chickens. Avian Diseases, 2018, 62, 6-13.	0.4	3
79	Comparison of tracheal and choanal cleft swabs and poultry dust samples for detection of Newcastle disease virus and infectious bronchitis virus genome in vaccinated meat chicken flocks. PLoS ONE, 2021, 16, e0247729.	1.1	3
80	Transmission of infectious laryngotracheitis virus vaccine and field strains: the role of degree of contact and transmission by whole blood, plasma and poultry dust. Veterinary Research, 2021, 52, 91.	1.1	3
81	Circulation and Molecular Characterization of Hemorrhagic Enteritis Virus in Commercial Turkey and Meat Chicken Flocks in Australia. Avian Diseases, 2022, 66, .	0.4	3
82	Addendum to â€œAbsolute quantitation of Marek's disease virus and herpesvirus of turkeys in chicken lymphocyte, feather tip and dust samples using real-time PCRâ€•[J. Virol. Meth. 132 (2006) 127â€“134]. Journal of Virological Methods, 2007, 141, 230.	1.0	2
83	In vivo characterisation of two Australian isolates of Marek's disease virus including pathology, viral load and neuropathotyping based on clinical signs. Australian Veterinary Journal, 2015, 93, 240-247.	0.5	2
84	Preliminary testing in turkeys of the safety and efficacy of a putative haemorrhagic enteritis virus vaccine. Australian Veterinary Journal, 2019, 97, 323-332.	0.5	2
85	Anthelmintic efficacy evaluation against different developmental stages of Ascaridia galli following individual or group administration in artificially trickle-infected chickens. Veterinary Parasitology, 2022, 301, 109636.	0.7	2
86	Australian surveys on incidence and control of blowfly strike in sheep between 2003 and 2019 reveal increased use of breeding for resistance, treatment with preventative chemicals and pain relief around mulesing. Veterinary Parasitology: Regional Studies and Reports, 2022, 31, 100725.	0.3	2
87	Benchmarking Australian sheep parasite control: Changes in gastrointestinal nematode control practices reported from surveys between 2003 and 2019. Veterinary Parasitology: Regional Studies and Reports, 2021, 26, 100653.	0.3	1
88	Turkey Hemorrhagic Enteritis Virus Can Be Titrated but Not Propagated in Chicken Embryos. Avian Diseases, 2018, 63, 84.	0.4	1
89	Prevalence of sheep lice and trends in control practices across Australia â€“ Australian sheep parasite control surveys from 2003 to 2019. Veterinary Parasitology: Regional Studies and Reports, 2022, 27, 100662.	0.3	1
90	Molecular-based monitoring of live vaccines in dust samples from experimental and commercial chicken flocks and its potential use as a screening test. Research in Veterinary Science, 2022, 143, 50-57.	0.9	1

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91	Worm control practices on free-range egg farms in Australia and anthelmintic efficacy against nematodes in naturally infected layer chickens. Veterinary Parasitology: Regional Studies and Reports, 2022, 30, 100723.	0.3	1
92	Evaluation of in vitro methods of anthelmintic efficacy testing against Ascaridia galli. Journal of Helminthology, 2022, 96, e29.	0.4	1
93	A preliminary study of the localization of infectious laryngotracheitis virus glycoprotein E within specific peripheral blood lymphocytes. Avian Pathology, 2022, 51, 141-145.	0.8	0