

Ian Colditz

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.

126 papers	2,635 citations	27 h-index	45 g-index
143 ext. papers	3,066 ext. citations	3.1 avg, IF	5.15 L-index

#	Paper	IF	Citations
126	Dermatophilosis (lumpy wool) in sheep: a review of pathogenesis, aetiology, resistance and vaccines. <i>Animal Production Science</i> , 2022 , 62, 101	1.4	0
125	Welfare of beef cattle in Australian feedlots: a review of the risks and measures. <i>Animal Production Science</i> , 2020 , 60, 1569	1.4	5
124	The Influence of Temperament on Body Temperature Response to Handling in Angus Cattle. <i>Animals</i> , 2020 , 10,	3.1	11
123	A consideration of physiological regulation from the perspective of Bayesian enactivism. <i>Physiology and Behavior</i> , 2020 , 214, 112758	3.5	1
122	Efficacy of precisely injected single local bolus of lignocaine for alleviation of behavioural responses to pain during tail docking and castration of lambs with rubber rings. <i>Research in Veterinary Science</i> , 2020 , 133, 210-218	2.5	3
121	Immune competence traits assessed during the stress of weaning are heritable and favorably genetically correlated with temperament traits in Angus cattle ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 4053-4065	0.7	5
120	Efficacy of meloxicam in a pain model in sheep. <i>Australian Veterinary Journal</i> , 2019 , 97, 23-32	1.2	13
119	Production and active transport of immunoglobulins within the ruminant mammary gland. <i>Veterinary Immunology and Immunopathology</i> , 2019 , 211, 75-84	2	1
118	Chronic stress influences attentional and judgement bias and the activity of the HPA axis in sheep. <i>PLoS ONE</i> , 2019 , 14, e0211363	3.7	12
117	The influence of pharmacologically-induced affective states on attention bias in sheep. <i>PeerJ</i> , 2019 , 7, e7033	3.1	10
116	Objecthood, Agency and Mutualism in Valenced Farm Animal Environments. <i>Animals</i> , 2018 , 8,	3.1	4
115	A Novel Protocol to Assess Acclimation Rate in Bos taurus Heifers during Yard Weaning. <i>Animals</i> , 2018 , 8,	3.1	3
114	Towards a more practical attention bias test to assess affective state in sheep. <i>PLoS ONE</i> , 2018 , 13, e0190404	3.7	22
113	Anxiety influences attention bias but not flight speed and crush score in beef cattle. <i>Applied Animal Behaviour Science</i> , 2018 , 205, 210-215	2.2	36
112	A Framework to Assess the Impact of New Animal Management Technologies on Welfare: A Case Study of Virtual Fencing. <i>Frontiers in Veterinary Science</i> , 2018 , 5, 187	3.1	30
111	Relationship between Rectal Temperature and Vaginal Temperature in Grazing Heifers. <i>Animals</i> , 2018 , 8,	3.1	12
110	Attention Bias Test Differentiates Anxiety and Depression in Sheep. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 246	3.5	18

109	Self-administration by consumption of flunixin in feed alleviates the pain and inflammation associated with castration and tail docking of lambs. <i>Applied Animal Behaviour Science</i> , 2017 , 188, 26-33	2.2	7
108	Future challenges and opportunities in sheep welfare		4
107	Resilience in farm animals: biology, management, breeding and implications for animal welfare. <i>Animal Production Science</i> , 2016 , 56, 1961	1.4	93
106	Palatability and pharmacokinetics of flunixin when administered to sheep through feed. <i>PeerJ</i> , 2016 , 4, e1800	3.1	4
105	Welfare outcomes for 3- and 6-month-old beef calves in a tropical environment castrated surgically or by applying rubber rings. <i>Applied Animal Behaviour Science</i> , 2015 , 171, 47-57	2.2	12
104	Effect of local infusion of NSAID analgesics administered alone or in combination on the pain associated with band castration in calves. <i>Australian Veterinary Journal</i> , 2015 , 93, 271-7	1.2	4
103	Randomised trial of the bioavailability and efficacy of orally administered flunixin, carprofen and ketoprofen in a pain model in sheep. <i>Australian Veterinary Journal</i> , 2015 , 93, 265-70	1.2	4
102	Trial of human laser epilation technology for permanent wool removal in Merino sheep. <i>Australian Veterinary Journal</i> , 2015 , 93, 31-5	1.2	0
101	A comparison of welfare outcomes for weaner and mature Bos indicus bulls surgically or tension band castrated with or without analgesia: 1. Behavioural responses. <i>Applied Animal Behaviour Science</i> , 2014 , 157, 23-34	2.2	15
100	A comparison of welfare outcomes for weaner and mature Bos indicus bulls surgically or tension band castrated with or without analgesia: 2. Responses related to stress, health and productivity. <i>Applied Animal Behaviour Science</i> , 2014 , 157, 35-47	2.2	16
99	Efficacy of a buccal meloxicam formulation for pain relief in Merino lambs undergoing knife castration and tail docking in a randomised field trial. <i>Australian Veterinary Journal</i> , 2014 , 92, 381-8	1.2	27
98	A Prototype Tool to Enable Farmers to Measure and Improve the Welfare Performance of the Farm Animal Enterprise: The Unified Field Index. <i>Animals</i> , 2014 , 4, 446-62	3.1	15
97	Preference of beef cattle for feedlot or pasture environments. <i>Applied Animal Behaviour Science</i> , 2013 , 145, 53-59	2.2	14
96	Evaluating a novel analgesic strategy for ring castration of ram lambs. <i>Veterinary Anaesthesia and Analgesia</i> , 2012 , 39, 539-49	1.3	15
95	A method for determining the concentration of haptoglobin in cattle blood following haemolysis caused at collection. <i>Research in Veterinary Science</i> , 2012 , 93, 190-4	2.5	5
94	Social transmission of physiological and behavioural responses to castration in suckling Merino lambs. <i>Applied Animal Behaviour Science</i> , 2012 , 136, 136-145	2.2	14
93	Development of a lameness model in sheep for assessing efficacy of analgesics. <i>Australian Veterinary Journal</i> , 2011 , 89, 297-304	1.2	16
92	A rapid colorimetric assay for measuring low concentrations of haemoglobin in large numbers of bovine plasma samples. <i>Food and Agricultural Immunology</i> , 2011 , 22, 135-143	2.9	3

91	Needle-free vaccination in sheep. <i>Australian Veterinary Journal</i> , 2010 , 88, 368	1.2	1
90	Physiological and behavioural effects of intradermal injection of sodium lauryl sulfate as an alternative to mulesing in lambs. <i>Australian Veterinary Journal</i> , 2010 , 88, 483-9	1.2	8
89	Selective transport of IgE into ovine mammary secretions. <i>Research in Veterinary Science</i> , 2010 , 89, 184-90	1.2	5
88	A comparison of methods for preparing enriched populations of bovine spermatogonia. <i>Reproduction, Fertility and Development</i> , 2009 , 21, 393-9	1.8	50
87	The influence of land transport on animal welfare in extensive farming systems. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2009 , 4, 157-162	1.9	38
86	Assessment of welfare of suckling lambs following intradermal injection of cetrimide as a non-surgical alternative to conventional mulesing. <i>Australian Veterinary Journal</i> , 2009 , 87, 12-8	1.2	16
85	Effect of the non-steroidal anti-inflammatory drug, carprofen, on weaned sheep following non-surgical mulesing by intradermal injection of cetrimide. <i>Australian Veterinary Journal</i> , 2009 , 87, 19-26	1.2	22
84	Effects of a topical anaesthetic formulation and systemic carprofen, given singly or in combination, on the cortisol and behavioural responses of Merino lambs to castration. <i>Australian Veterinary Journal</i> , 2009 , 87, 230-7	1.2	31
83	What are we BIF-fing about?: science needs impact metrics. <i>Epidemiology</i> , 2009 , 20, 462	3.1	2
82	Fleece rot and dermatophilosis in sheep. <i>Veterinary Microbiology</i> , 2008 , 128, 217-30	3.3	17
81	Development of a method of measuring cellular stress in cattle and sheep. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 123, 197-204	2	29
80	Effectiveness of non-steroidal anti-inflammatory drugs and epidural anaesthesia in reducing the pain and stress responses to a surgical husbandry procedure (mulesing) in sheep. <i>Australian Journal of Experimental Agriculture</i> , 2008 , 48, 1034		12
79	Genetic resistance to growth of <i>Lucilia cuprina</i> larvae in Merino sheep. <i>Australian Journal of Experimental Agriculture</i> , 2008 , 48, 1210		7
78	Six costs of immunity to gastrointestinal nematode infections. <i>Parasite Immunology</i> , 2008 , 30, 63-70	2.2	79
77	Development of a faecal occult blood test to determine the severity of <i>Haemonchus contortus</i> infections in sheep. <i>Veterinary Parasitology</i> , 2008 , 153, 93-9	2.8	18
76	Challenges to the development of new tests for diagnosis of infection and prediction of resistance of sheep to gastrointestinal nematodes. <i>Tropical Biomedicine</i> , 2008 , 25, 41-9	0.5	3
75	Chemokines at large: In-vivo mechanisms of their transport, presentation and clearance. <i>Thrombosis and Haemostasis</i> , 2007 , 97, 688-693	7	53
74	Adjusting worm egg counts for faecal moisture in sheep. <i>Veterinary Parasitology</i> , 2007 , 145, 108-15	2.8	38

73	The effect of a topical anaesthetic formulation, systemic flunixin and carprofen, singly or in combination, on cortisol and behavioural responses of Merino lambs to mulesing. <i>Australian Veterinary Journal</i> , 2007 , 85, 98-106	1.2	79
72	Regrouping unfamiliar animals in the weeks prior to slaughter has few effects on physiology and meat quality in Bos taurus feedlot steers. <i>Australian Journal of Experimental Agriculture</i> , 2007 , 47, 763		10
71	Chemokines at large: in-vivo mechanisms of their transport, presentation and clearance. <i>Thrombosis and Haemostasis</i> , 2007 , 97, 688-93	7	26
70	Effects of dietary fibre and feeding frequency on wool biting and aggressive behaviours in housed Merino sheep. <i>Australian Journal of Experimental Agriculture</i> , 2006 , 46, 777		18
69	Impact of animal health and welfare research within the CRC for Cattle and Beef Quality on Australian beef production. <i>Australian Journal of Experimental Agriculture</i> , 2006 , 46, 233		6
68	Some physiological responses associated with reduced wool growth during blowfly strike in Merino sheep. <i>Australian Veterinary Journal</i> , 2005 , 83, 695-9	1.2	24
67	Potential for recombinant Babesia bovis antigens to protect against a highly virulent isolate. <i>Parasite Immunology</i> , 2005 , 27, 439-45	2.2	17
66	Call for openness about farm-animal experiments. <i>Nature</i> , 2005 , 436, 24	50.4	0
65	Mastitis in dairy production 2005 ,		10
64	Welfare benefits to farm animals from their use in research. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32 Suppl 1A, 235-40	2.1	0
63	Some mechanisms regulating nutrient utilisation in livestock during immune activation: an overview. <i>Australian Journal of Experimental Agriculture</i> , 2004 , 44, 453		16
62	Serum amyloid A in the serum and milk of ewes with mastitis induced experimentally with Staphylococcus epidermidis. <i>Veterinary Record</i> , 2003 , 152, 558-62	0.9	18
61	Dynamics of experimentally induced Staphylococcus epidermidis mastitis in East Friesian milk ewes. <i>Journal of Dairy Research</i> , 2003 , 70, 157-64	1.6	19
60	Metabolic effects of host defence responses during gastrointestinal parasitism in sheep. <i>Australian Journal of Experimental Agriculture</i> , 2003 , 43, 1437		11
59	Cytokines in mammary lymph and milk during endotoxin-induced bovine mastitis. <i>Research in Veterinary Science</i> , 2003 , 74, 31-6	2.5	78
58	Effects of the immune system on metabolism: implications for production and disease resistance in livestock. <i>Livestock Science</i> , 2002 , 75, 257-268		90
57	Production of antibodies to recombinant antigens from Lucilia cuprina following cutaneous immunisation of sheep. <i>Veterinary Parasitology</i> , 2002 , 104, 345-50	2.8	16
56	Use of lectin binding characteristics to identify gastrointestinal parasite eggs in faeces. <i>Veterinary Parasitology</i> , 2002 , 105, 219-27	2.8	21

55	Blood cell profiles of steer progeny from parents selected for and against residual feed intake. <i>Australian Journal of Experimental Agriculture</i> , 2002 , 42, 901		37
54	Immunosuppressive effects of Marek's disease virus (MDV) and herpesvirus of turkeys (HVT) in broiler chickens and the protective effect of HVT vaccination against MDV challenge. <i>Avian Pathology</i> , 2002 , 31, 449-61	2.4	44
53	Effect of transcutaneous immunization with co-administered antigen and cholera toxin on systemic and mucosal antibody responses in sheep. <i>Veterinary Immunology and Immunopathology</i> , 2002 , 86, 177-82	2	9
52	Immunological responses of the lactating ovine udder following experimental challenge with <i>Staphylococcus epidermidis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2002 , 89, 57-65	2	22
51	Effects of dietary protein types on immune responses and levels of infection with <i>Eimeria veriformis</i> in mice. <i>Immunology and Cell Biology</i> , 2001 , 79, 23-8	5	21
50	Expression of cell surface adhesion molecules by peripheral blood eosinophils during <i>Trichostrongylus colubriformis</i> infection in sheep. <i>Immunology and Cell Biology</i> , 2001 , 79, 240-4	5	4
49	Simulated solar UVB exposure inhibits transcutaneous immunization to cholera toxin via an irradiated skin site in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2001 , 83, 107-14	2	3
48	Associations between immune system, growth and carcass variables in cattle. <i>Australian Journal of Experimental Agriculture</i> , 2001 , 41, 1051		4
47	Effect on systemic antibody concentrations of topical application of cholera toxin to skin of sheep. <i>Australian Veterinary Journal</i> , 2000 , 78, 121-3	1.2	8
46	Transcutaneous immunization of domestic animals: opportunities and challenges. <i>Advanced Drug Delivery Reviews</i> , 2000 , 43, 45-55	18.5	68
45	Induction of systemic immune responses in sheep by topical application of cholera toxin to skin. <i>Veterinary Immunology and Immunopathology</i> , 2000 , 77, 191-9	2	6
44	The effect of experimental infectious mastitis on leukocyte subpopulations and cytokine production in non-lactating ewes. <i>Zoonoses and Public Health</i> , 1999 , 46, 289-99		4
43	The effect of dexamethasone on some immunological parameters in cattle. <i>Veterinary Research Communications</i> , 1999 , 23, 399-413	2.9	98
42	Associations between temperament, performance and immune function in cattle entering a commercial feedlot. <i>Australian Journal of Experimental Agriculture</i> , 1999 , 39, 795		113
41	Variation in the immune status of two Australian pig breeds. <i>Australian Veterinary Journal</i> , 1998 , 76, 613-17		15
40	Expression of surface antigens on blood and mammary leukocytes in lactating and dry ewes. <i>Veterinary Immunology and Immunopathology</i> , 1998 , 62, 273-8	2	18
39	Accumulation of leucocytes and cytokines in the lactating ovine udder during mastitis due to <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Research in Veterinary Science</i> , 1997 , 62, 63-6	2.5	30
38	Leukocyte and cytokine accumulation in the ovine teat and udder during endotoxin-induced inflammation. <i>Veterinary Research Communications</i> , 1997 , 21, 101-15	2.9	18

37	Cytokine-induced inflammation in the ovine teat and udder. <i>Veterinary Immunology and Immunopathology</i> , 1996 , 53, 73-85	2	20
36	Growth of <i>Lucilia cuprina</i> larvae following treatment of sheep divergently selected for fleece rot and fly strike with monoclonal antibodies to T lymphocyte subsets and interferon gamma. <i>International Journal for Parasitology</i> , 1996 , 26, 775-82	4.3	24
35	Some relationships between age, immune responsiveness and resistance to parasites in ruminants. <i>International Journal for Parasitology</i> , 1996 , 26, 869-77	4.3	69
34	In vivo depletion of T-cells and cytokines during primary exposure of sheep to parasites. <i>Veterinary Immunology and Immunopathology</i> , 1996 , 54, 83-90	2	7
33	Feasibility and Implications of Breeding Sheep for Resilience to Nematode Challenge. <i>International Journal for Parasitology</i> , 1996 , 26, 869-877	4.3	47
32	Methods for detection and assay of ovine cytokines 1996 , 2139-2155		
31	Cloning, sequencing, expression and inflammatory activity in skin of ovine interleukin-8. <i>Immunology and Cell Biology</i> , 1994 , 72, 398-405	5	29
30	Cellular inflammatory responses in skin of sheep selected for resistance or susceptibility to fleece rot and fly strike. <i>Parasite Immunology</i> , 1994 , 16, 289-96	2.2	20
29	The effect of immune and inflammatory mediators on growth of <i>Lucilia cuprina</i> larvae in vitro. <i>International Journal for Parasitology</i> , 1994 , 24, 401-3	4.3	6
28	Age-dependent immune response in Merino sheep. <i>Research in Veterinary Science</i> , 1994 , 57, 152-8	2.5	40
27	Migratory responses of ovine neutrophils to inflammatory mediators in vitro and in vivo. <i>Journal of Leukocyte Biology</i> , 1993 , 53, 273-8	6.5	19
26	Immune responsiveness of lambs selected for resistance to haemonchosis. <i>Research in Veterinary Science</i> , 1993 , 54, 361-5	2.5	10
25	Vaccines for the Skin and Mammary Gland of Ruminants. <i>Progress in Vaccinology</i> , 1993 , 288-317		6
24	Plasma leakage in skin of sheep selected for resistance or susceptibility to fleece rot and fly strike. <i>Parasite Immunology</i> , 1992 , 14, 587-94	2.2	12
23	Induction of tissue eosinophilia by platelet-activating factor in Merino sheep. <i>Veterinary Immunology and Immunopathology</i> , 1992 , 32, 65-75	2	2
22	The effect of systemic treatment with platelet-activating factor on the migration of eosinophils to lung, pleural and peritoneal cavities in the guinea pig. <i>International Archives of Allergy and Immunology</i> , 1991 , 95, 94-6	3.7	4
21	Immunity to <i>Haemonchus contortus</i> and the cellular response to helminth antigens in the mammary gland of non-lactating sheep. <i>International Journal for Parasitology</i> , 1991 , 21, 631-9	4.3	15
20	Neutrophil accumulation and plasma leakage induced in vivo by neutrophil-activating peptide-1. <i>Journal of Leukocyte Biology</i> , 1990 , 48, 129-37	6.5	76

19	Inhibition of PAF-induced eosinophil accumulation in pulmonary airways of guinea pigs by anti-asthma drugs. <i>The Japanese Journal of Pharmacology</i> , 1989 , 51, 167-72		27
18	In vivo inflammatory activity of neutrophil-activating factor, a novel chemotactic peptide derived from human monocytes. <i>American Journal of Pathology</i> , 1989 , 134, 755-60	5.8	144
17	Novel Neutrophil-Activating Peptides and Their Role in Inflammation 1989 , 765-771		
16	Kinetics of endotoxin-induced inflammation in ovine mammary gland. <i>Inflammation</i> , 1988 , 12, 491-501	5.1	9
15	Two patterns of early neutrophil accumulation in acute inflammatory lesions. <i>Inflammation</i> , 1988 , 12, 251-63	5.1	17
14	Studies on the inflammatory response during involution of the ovine mammary gland. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1988 , 73, 363-8		9
13	Proposal of Terminology for the Description of Leukocyte Events during Acute Inflammation 1987 , 181-182		
12	Inflammatory and immunological responses in skin and peripheral lymph of sheep following intracutaneous injection of <i>Staphylococcus aureus</i> . <i>Inflammation</i> , 1987 , 11, 175-88	5.1	4
11	Some characteristics of inflammation induced by muramyl dipeptide, endotoxin, and concanavalin A. <i>Inflammation</i> , 1987 , 11, 1-11	5.1	9
10	The inflammatory activity of activated complement in ovine and bovine mammary glands. <i>Immunology and Cell Biology</i> , 1987 , 65 (Pt 6), 433-6	5	8
9	Induction of inflammatory responses by endotoxin in the non-lactating ovine mammary gland. <i>Immunology and Cell Biology</i> , 1987 , 65 (Pt 6), 437-41	5	4
8	Margination and emigration of leucocytes. <i>Pathology and Immunopathology Research</i> , 1985 , 4, 44-68		21
7	The immunophysiological basis for vaccinating ruminants against mastitis. <i>Australian Veterinary Journal</i> , 1985 , 62, 145-53	1.2	32
6	Humoral and cellular factors affecting the neutrophil response of the locally immunised mammary gland to staphylococcal infection. <i>Veterinary Immunology and Immunopathology</i> , 1985 , 8, 107-18	2	5
5	Chemotactic factor-specific desensitization of skin to infiltration by polymorphonuclear leukocytes. <i>Immunology Letters</i> , 1984 , 8, 83-7	4.1	26
4	Properties of neutrophils recruited into inflammatory foci with homologous or heterologous antigen in immunized ewes. <i>Inflammation</i> , 1983 , 7, 269-76	5.1	3
3	Novel immunofluorescent technique for identification of ovine immunoglobulins and other potential opsonins binding to live <i>Staphylococcus aureus</i> . <i>Journal of Dairy Science</i> , 1983 , 66, 1384-9	4	6
2	The role of humoral and cellular mediators in enhanced mammary inflammatory reactions to staphylococcal infection in systemically immunized ewes. <i>Microbiology and Immunology</i> , 1982 , 26, 1171-80	2.7	12

1	Effect of immunisation on the early influx of neutrophils during staphylococcal mastitis in ewes. <i>Research in Veterinary Science</i> , 1982 , 33, 146-151	2.5	20
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