Tom McNeilly

List of Publications by Year
in descending order

103	2,505	186265	254184
papers	citations	28 h-index	43 g-index

109	109	109	3214
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Targeting Secreted Protease/Anti-Protease Balance as a Vaccine Strategy against the Helminth Fasciola hepatica. Vaccines, 2022, 10, 155.	4.4	10
2	Longitudinal dynamics of co-infecting gastrointestinal parasites in a wild sheep population. Parasitology, 2022, , 1-39.	1.5	5
3	Functionally distinct T-helper cell phenotypes predict resistance to different types of parasites in a wild mammal. Scientific Reports, 2022, 12, 3197.	3.3	6
4	Longitudinal dynamics of co-infecting gastrointestinal parasites in a wild sheep population â€“ CORRIGENDUM. Parasitology, 2022, 149, 863-864.	1.5	3
5	Vaccine-induced time- and age-dependent mucosal immunity to gastrointestinal parasite infection. Npj Vaccines, 2022, 7, .	6.0	6
6	Tom Mcneilly and Alastair Macmillan Respond. Veterinary Record, 2021, 188, 39-39.	0.3	0
7	Genetic parameters of animal traits associated with coccidian and nematode parasite load and growth in Scottish Blackface sheep. Animal, 2021, 15, 100185.	3.3	7
8	Cellular and humoral immune responses associated with protection in sheep vaccinated against Teladorsagia circumcincta. Veterinary Research, 2021, 52, 89.	3.0	7
9	The influence of liver fluke infection on production in sheep and cattle: a meta-analysis. International Journal for Parasitology, 2021, 51, 913-924.	3.1	28
10	Genome structural variation in Escherichia coli O157:H7. Microbial Genomics, 2021, 7, .	2.0	9
11	A journey through 50 years of research relevant to the control of gastrointestinal nematodes in ruminant livestock and thoughts on future directions. International Journal for Parasitology, 2021, 51, 1133-1151.	3.1	41
12	Tuft Cells Increase Following Ovine Intestinal Parasite Infections and Define Evolutionarily Conserved and Divergent Responses. Frontiers in Immunology, 2021, 12, 781108.	4.8	9
13	Embracing natureâ€™s complexity: Immunoparasitology in the wild. Seminars in Immunology, 2021, 53, 101525.	5.6	4
14	Epidemiology and control of maedi-visna virus: Curing the flock. PLoS ONE, 2020, 15, e0238781.	2.5	15
15	The potential for vaccines against scour worms of small ruminants. International Journal for Parasitology, 2020, 50, 533-553.	3.1	21
16	Maternally derived anti-helminth antibodies predict offspring survival in a wild mammal. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201931.	2.6	9
17	The 1B vaccine strain of Chlamydia abortus produces placental pathology indistinguishable from a wild type infection. PLoS ONE, 2020, 15, e0242526.	2.5	16
18	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0

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19	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
20	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
21	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
22	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
23	Epidemiology and control of maedi-visna virus: Curing the flock. , 2020, 15, e0238781.		0
24	Title is missing!. , 2020, 15, e0242526.		0
25	Title is missing!. , 2020, 15, e0242526.		0
26	Title is missing!. , 2020, 15, e0242526.		0
27	Title is missing!. , 2020, 15, e0242526.		0
28	Characterisation of a niche-specific excretoryâ€“secretory peroxiredoxin from the parasitic nematode Teladorsagia circumcincta. Parasites and Vectors, 2019, 12, 339.	2.5	6
29	Phenotypic and genetic analysis of milk and serum element concentrations in dairy cows. Journal of Dairy Science, 2019, 102, 11180-11192.	3.4	25
30	The genetic architecture of helminth-specific immune responses in a wild population of Soay sheep (Ovis aries). PLoS Genetics, 2019, 15, e1008461.	3.5	26
31	Senescence in immunity against helminth parasites predicts adult mortality in a wild mammal. Science, 2019, 365, 1296-1298.	12.6	55
32	Shiga toxin sub-type 2a increases the efficiency of Escherichia coli O157 transmission between animals and restricts epithelial regeneration in bovine enteroids. PLoS Pathogens, 2019, 15, e1008003.	4.7	42
33	The rational simplification of a recombinant cocktail vaccine to control the parasitic nematode Teladorsagia circumcincta. International Journal for Parasitology, 2019, 49, 257-265.	3.1	26
34	Impacts of breed type and vaccination on Teladorsagia circumcincta infection in native sheep in Gran Canaria. Veterinary Research, 2019, 50, 29.	3.0	9
35	Reproductive effort influences intraâ€seasonal variation in parasiteâ€specific antibody responses in wild Soay sheep. Functional Ecology, 2019, 33, 1307-1320.	3.6	10
36	Differences in immune responses to Haemonchus contortus infection in the susceptible Ile de France and the resistant Santa Ines sheep under different anthelmintic treatments regimens. Veterinary Research, 2019, 50, 104.	3.0	32

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37	Co-infection with Fasciola hepatica may increase the risk of Escherichia coli O157 shedding in British cattle destined for the food chain. Preventive Veterinary Medicine, 2018, 150, 70-76.	1.9	11
38	Immune development and performance characteristics of Romney sheep selected for either resistance or resilience to gastrointestinal nematodes. Veterinary Parasitology, 2018, 250, 60-67.	1.8	7
39	Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. American Naturalist, 2018, 192, 745-760.	2.1	25
40	Immune-associated traits measured in milk of Holstein-Friesian cows as proxies for blood serum measurements. Journal of Dairy Science, 2018, 101, 10248-10258.	3.4	8
41	Estimating genetic and phenotypic parameters of cellular immune-associated traits in dairy cows. Journal of Dairy Science, 2017, 100, 2850-2862.	3.4	21
42	Complex responses to movement-based disease control: when livestock trading helps. Journal of the Royal Society Interface, 2017, 14, 20160531.	3.4	2
43	Global food security via efficient livestock production: targeting poor animal husbandry. Veterinary Record, 2017, 180, 276-277.	0.3	5
44	Sex differences in leucocyte telomere length in a freeâ€living mammal. Molecular Ecology, 2017, 26, 3230-3240.	3.9	38
45	Niche-specific gene expression in a parasitic nematode; increased expression of immunomodulators in Teladorsagia circumcincta larvae derived from host mucosa. Scientific Reports, 2017, 7, 7214.	3.3	17
46	Enhancing the toolbox to study IL-17A in cattle and sheep. Veterinary Research, 2017, 48, 20.	3.0	17
47	Host species adaptation of TLR5 signalling and flagellin recognition. Scientific Reports, 2017, 7, 17677.	3.3	27
48	1,25-Dihydroxyvitamin D3 modulates the phenotype and function of Monocyte derived dendritic cells in cattle. BMC Veterinary Research, 2017, 13, 390.	1.9	13
49	Conservation of a microRNA cluster in parasitic nematodes and profiling of miRNAs in excretory-secretory products and microvesicles of Haemonchus contortus. PLoS Neglected Tropical Diseases, 2017, 11, e0006056.	3.0	45
50	Reporting research. Veterinary Record, 2017, 180, 78-78.	0.3	0
51	Exposure to viral and bacterial pathogens among Soay sheep (Ovis aries) of the St Kilda archipelago. Epidemiology and Infection, 2016, 144, 1879-1888.	2.1	7
52	Cellular and humoral immunity in a wild mammal: Variation with age & sex and association with overwinter survival. Ecology and Evolution, 2016, 6, 8695-8705.	1.9	34
53	Fecal antibody levels as a noninvasive method for measuring immunity to gastrointestinal nematodes in ecological studies. Ecology and Evolution, 2016, 6, 56-67.	1.9	26
54	A preliminary proteomic characterisation of extracellular vesicles released by the ovine parasitic nematode, Teladorsagia circumcincta. Veterinary Parasitology, 2016, 221, 84-92.	1.8	53

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55	Vitamin D status predicts reproductive fitness in a wild sheep population. Scientific Reports, 2016, 6, 18986.	3.3	18
56	Mastitomics, the integrated omics of bovine milk in an experimental model of Streptococcus uberis mastitis: 1. High abundance proteins, acute phase proteins and peptidomics. Molecular BioSystems, 2016, 12, 2735-2747.	2.9	47
57	Mastitomics, the integrated omics of bovine milk in an experimental model of Streptococcus uberis mastitis: 2. Label-free relative quantitative proteomics. Molecular BioSystems, 2016, 12, 2748-2761.	2.9	45
58	Mastitomics, the integrated omics of bovine milk in an experimental model of Streptococcus uberis mastitis: 3. Untargeted metabolomics. Molecular BioSystems, 2016, 12, 2762-2769.	2.9	35
59	Protection of ewes against Teladorsagia circumcincta infection in the periparturient period by vaccination with recombinant antigens. Veterinary Parasitology, 2016, 228, 130-136.	1.8	32
60	Distribution of Foxp3+ T cells in the liver and hepatic lymph nodes of goats and sheep experimentally infected with Fasciola hepatica. Veterinary Parasitology, 2016, 230, 14-19.	1.8	15
61	Possible mechanisms of host resistance to Haemonchus contortus infection in sheep breeds native to the Canary Islands. Scientific Reports, 2016, 6, 26200.	3.3	70
62	Identification of epitopes recognised by mucosal CD4+ T-cell populations from cattle experimentally colonised with Escherichia coli O157:H7. Veterinary Research, 2016, 47, 90.	3.0	8
63	A recombinant subunit vaccine for the control of ovine psoroptic mange (sheep scab). Veterinary Research, 2016, 47, 26.	3.0	17
64	Correlation of hypothetical virulence traits of two Streptococcus uberis strains with the clinical manifestation of bovine mastitis. Veterinary Research, 2015, 46, 123.	3.0	27
65	Optimizing the Protection of Cattle against Escherichia coli O157:H7 Colonization through Immunization with Different Combinations of H7 Flagellin, Tir, Intimin-531 or EspA. PLoS ONE, 2015, 10, e0128391.	2.5	27
66	Leucocyte-derived extracellular trap formation significantly contributes to Haemonchus contortus larval entrapment. Parasites and Vectors, 2015, 8, 607.	2.5	92
67	Application of small RNA technology for improved control of parasitic helminths. Veterinary Parasitology, 2015, 212, 47-53.	1.8	39
68	Functional analysis of bovine TLR5 and association with IgA responses of cattle following systemic immunisation with H7 flagella. Veterinary Research, 2015, 46, 9.	3.0	17
69	The feasibility of testing whether Fasciola hepatica is associated with increased risk of verocytotoxin producing Escherichia coli O157 from an existing study protocol. Preventive Veterinary Medicine, 2015, 119, 97-104.	1.9	3
70	Strain-Dependent Cellular Immune Responses in Cattle following Escherichia coli O157:H7 Colonization. Infection and Immunity, 2014, 82, 5117-5131.	2.2	28
71	Multivariate immune defences and fitness in the wild: complex but ecologically important associations among plasma antibodies, health and survival. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132931.	2.6	57
72	Immune modulation by helminth parasites of ruminants: implications for vaccine development and host immune competence. Parasite, 2014, 21, 51.	2.0	49

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73	The effect of Psoroptes ovis infestation on ovine epidermal barrier function. Veterinary Research, 2013, 44, 11.	3.0	14
74	Suppression of ovine lymphocyte activation by Teladorsagia circumcincta larval excretory-secretory products. Veterinary Research, 2013, 44, 70.	3.0	31
75	Novel expression of Haemonchus contortus vaccine candidate aminopeptidase H11 using the free-living nematode Caenorhabditis elegans. Veterinary Research, 2013, 44, 111.	3.0	43
76	Successful immunization against a parasitic nematode by vaccination with recombinant proteins. Vaccine, 2013, 31, 4017-4023.	3.8	87
77	Strain-specific pathogenicity of putative host-adapted and nonadapted strains of Streptococcus uberis in dairy cattle. Journal of Dairy Science, 2013, 96, 5129-5145.	3.4	66
78	Identification of Immune Traits Correlated with Dairy Cow Health, Reproduction and Productivity. PLoS ONE, 2013, 8, e65766.	2.5	57
79	Insights into mucosal innate responses to Escherichia coli O157 : H7 colonization of cattle by mathematical modelling of excretion dynamics. Journal of the Royal Society Interface, 2012, 9, 518-527.	3.4	6
80	Recent developments in the diagnosis of ectoparasite infections and disease through a better understanding of parasite biology and host responses. Molecular and Cellular Probes, 2012, 26, 47-53.	2.1	15
81	Ageâ€related variation in immunity in a wild mammal population. Aging Cell, 2012, 11, 178-180.	6.7	78
82	Identification of CD4+CD25high Foxp3+ T cells in ovine peripheral blood. Veterinary Immunology and Immunopathology, 2011, 144, 172-177.	1.2	19
83	Immunohistochemical characterization of lymphocyte and myeloid cell infiltrates in spirocercosisâ€induced oesophageal nodules. Parasite Immunology, 2011, 33, 545-553.	1.5	13
84	Phosphorylation of the epidermal growth factor receptor (EGFR) is essential for interleukin-8 release from intestinal epithelial cells in response to challenge with Escherichia coli O157â€Š:â€ŠH7 flagellin. Microbiology (United Kingdom), 2011, 157, 2339-2347.	1.8	9
85	Host Transcription Factors in the Immediate Pro-Inflammatory Response to the Parasitic Mite Psoroptes ovis. PLoS ONE, 2011, 6, e24402.	2.5	16
86	Transcriptomic analysis of the temporal host response to skin infestation with the ectoparasitic mite Psoroptes ovis. BMC Genomics, 2010, 11, 624.	2.8	32
87	Infestation of sheep withPsoroptes ovis, the sheep scab mite, results in recruitment of Foxp3⁺T cells into the dermis. Parasite Immunology, 2010, 32, 361-369.	1.5	20
88	A macrophage migration inhibitory factor-like tautomerase from Teladorsagia circumcincta (Nematoda: Strongylida). Parasite Immunology, 2010, 32, 503-511.	1.5	28
89	Immunization of cattle with a combination of purified intimin-531, EspA and Tir significantly reduces shedding of Escherichia coli O157:H7 following oral challenge. Vaccine, 2010, 28, 1422-1428.	3.8	83
90	IgA and IgG antibody responses following systemic immunization of cattle with native H7 flagellin differ in epitope recognition and capacity to neutralise TLR5 signalling. Vaccine, 2010, 28, 1412-1421.	3.8	22

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91	Gene expression profiling of ovine keratinocytes stimulated with Psoroptes ovis mite antigen â€“ a preliminary study. Parasite Immunology, 2009, 31, 304-311.	1.5	10
92	Teladorsagia circumcincta in the sheep abomasum: defining the role of dendritic cells in T cell regulation and protective immunity. Parasite Immunology, 2009, 31, 347-356.	1.5	30
93	The Escherichia coli O157:H7 EhaB autotransporter protein binds to laminin and collagen I and induces a serum IgA response in O157:H7 challenged cattle. Environmental Microbiology, 2009, 11, 1803-1814.	3.8	46
94	An investigation of the expression and adhesin function of H7 flagella in the interaction ofEscherichia coliO157â€ƒ:â€ƒH7 with bovine intestinal epithelium. Cellular Microbiology, 2009, 11, 121-137.	2.1	131
95	Systemic DNA immunization against ovine lentivirus using particle-mediated epidermal delivery and modified vaccinia Ankara encoding the gag and/or env genes. Vaccine, 2009, 27, 260-269.	3.8	14
96	Mucosal immunization against ovine lentivirus using PEIâ€“DNA complexes and modified vaccinia Ankara encoding the gag and/or env genes. Vaccine, 2008, 26, 4494-4505.	3.8	16
97	Role of Alveolar Macrophages in Respiratory Transmission of Visna/Maedi Virus. Journal of Virology, 2008, 82, 1526-1536.	3.4	36
98	Escherichia coliO157:H7 Colonization in Cattle following Systemic and Mucosal Immunization with Purified H7 Flagellin. Infection and Immunity, 2008, 76, 2594-2602.	2.2	75
99	Experimental infection of sheep with visna/maedi virus via the conjunctival space. Journal of General Virology, 2008, 89, 1329-1337.	2.9	11
100	Differential infection efficiencies of peripheral lung and tracheal tissues in sheep infected with Visna/maedi virus via the respiratory tract. Journal of General Virology, 2007, 88, 670-679.	2.9	28
101	Simple methods for measurement of bovine mucosal antibody responses in vivo. Veterinary Immunology and Immunopathology, 2007, 118, 160-167.	1.2	13
102	The expression of intelectin in sheep goblet cells and upregulation by interleukin-4. Veterinary Immunology and Immunopathology, 2007, 120, 41-46.	1.2	32
103	Differential Expression of Cell Surface Markers by Ovine Respiratory Tract Dendritic Cells. Journal of Histochemistry and Cytochemistry, 2006, 54, 1021-1030.	2.5	11