

Dave M Leathwick

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

3,119
citations

136950

32
h-index

168389

53
g-index

105
all docs

105
docs citations

105
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthelmintic resistance in nematode parasites of cattle: a global issue?. Trends in Parasitology, 2011, 27, 176-181.	3.3	339
2	Prevalence of anthelmintic resistance on 62 beef cattle farms in the North Island of New Zealand. New Zealand Veterinary Journal, 2006, 54, 278-282.	0.9	119
3	Prevalence of anthelmintic resistance on sheep farms in New Zealand. New Zealand Veterinary Journal, 2006, 54, 271-277.	0.9	110
4	The management of anthelmintic resistance in grazing ruminants in Australasiaâ€”Strategies and experiences. Veterinary Parasitology, 2014, 204, 44-54.	1.8	104
5	The epidemiology of nematode infections of sheep. New Zealand Veterinary Journal, 2001, 49, 213-221.	0.9	103
6	The role of combination anthelmintic formulations in the sustainable control of sheep nematodes. Veterinary Parasitology, 2012, 186, 151-158.	1.8	98
7	Managing anthelmintic resistance: Is it feasible in New Zealand to delay the emergence of resistance to a new anthelmintic class?. New Zealand Veterinary Journal, 2009, 57, 181-192.	0.9	86
8	The production cost of anthelmintic resistance in lambs. Veterinary Parasitology, 2012, 186, 376-381.	1.8	86
9	Modelling the benefits of a new class of anthelmintic in combination. Veterinary Parasitology, 2012, 186, 93-100.	1.8	82
10	Anthelmintic resistance in New Zealand. New Zealand Veterinary Journal, 2001, 49, 227-235.	0.9	75
11	Drenching adult ewes: Implications of anthelmintic treatments pre- and post-lambing on the development of anthelmintic resistance. New Zealand Veterinary Journal, 2006, 54, 297-304.	0.9	75
12	A model for nematodiasis in New Zealand lambs: The effect of drenching regime and grazing management on the development of anthelmintic resistance. International Journal for Parasitology, 1995, 25, 1479-1490.	3.1	72
13	Managing anthelmintic resistance â€” Use of a combination anthelmintic and leaving some lambs untreated to slow the development of resistance to ivermectin. Veterinary Parasitology, 2012, 187, 285-294.	1.8	66
14	Anthelmintic resistance in equine parasitesâ€”Current evidence and knowledge gaps. Veterinary Parasitology, 2014, 204, 55-63.	1.8	63
15	Controlling internal parasites in grazing ruminants without recourse to anthelmintics: Approaches, experiences and prospects. International Journal for Parasitology, 1996, 26, 983-992.	3.1	59
16	Brave or gullible: Testing the concept that leaving susceptible parasites in refugia will slow the development of anthelmintic resistance. New Zealand Veterinary Journal, 2008, 56, 158-163.	0.9	59
17	Selective and on-demand drenching of lambs: Impact on parasite populations and performance of lambs. New Zealand Veterinary Journal, 2006, 54, 305-312.	0.9	56
18	Efficacy of oral, injectable and pour-on formulations of moxidectin against gastrointestinal nematodes in cattle in New Zealand. Veterinary Parasitology, 2013, 191, 293-300.	1.8	56

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19	Managing anthelmintic resistance – Parasite fitness, drug use strategy and the potential for reversion towards susceptibility. <i>Veterinary Parasitology</i> , 2013, 198, 145-153.	1.8	55
20	Managing anthelmintic resistance: Untreated adult ewes as a source of unselected parasites, and their role in reducing parasite populations. <i>New Zealand Veterinary Journal</i> , 2008, 56, 184-195.	0.9	52
21	Management of gastrointestinal nematode parasites on sheep farms in New Zealand. <i>New Zealand Veterinary Journal</i> , 2007, 55, 228-234.	0.9	50
22	The effect of diet fed to lambs on subsequent development of <i>Trichostrongylus colubriformis</i> larvae in vitro and on pasture. <i>Veterinary Parasitology</i> , 2002, 105, 269-283.	1.8	49
23	A model for nematodiasis in New Zealand lambs. <i>International Journal for Parasitology</i> , 1992, 22, 789-799.	3.1	48
24	Efficacy of the nematode-trapping fungus <i>Duddingtonia flagrans</i> against three species of gastro-intestinal nematodes in laboratory faecal cultures from sheep and goats. <i>Veterinary Parasitology</i> , 2003, 118, 227-234.	1.8	48
25	Farm management practices associated with macrocyclic lactone resistance on sheep farms in New Zealand. <i>New Zealand Veterinary Journal</i> , 2006, 54, 283-288.	0.9	47
26	Anthelmintic resistance and management of nematode parasites on beef cattle-rearing farms in the North Island of New Zealand. <i>New Zealand Veterinary Journal</i> , 2006, 54, 289-296.	0.9	46
27	Ivermectin-resistant <i>Ostertagia circumcincta</i> from sheep in the lower North Island and their susceptibility to other macrocyclic lactone anthelmintics. <i>New Zealand Veterinary Journal</i> , 2000, 48, 151-154.	0.9	44
28	Evidence for reversion towards anthelmintic susceptibility in <i>Teladorsagia circumcincta</i> in response to resistance management programmes. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2015, 5, 9-15.	3.4	41
29	A journey through 50 years of research relevant to the control of gastrointestinal nematodes in ruminant livestock and thoughts on future directions. <i>International Journal for Parasitology</i> , 2021, 51, 1133-1151.	3.1	41
30	Drench-and-shift is a high-risk practice in the absence of refugia. <i>New Zealand Veterinary Journal</i> , 2009, 57, 359-363.	0.9	36
31	Managing anthelmintic resistance: Modelling strategic use of a new anthelmintic class to slow the development of resistance to existing classes. <i>New Zealand Veterinary Journal</i> , 2009, 57, 203-207.	0.9	35
32	Multiple species of nematodes resistant to ivermectin and a benzimidazole-levamisole combination on a sheep farm in New Zealand. <i>New Zealand Veterinary Journal</i> , 2008, 56, 67-70.	0.9	34
33	How repeatable is a faecal egg count reduction test?. <i>New Zealand Veterinary Journal</i> , 2006, 54, 323-328.	0.9	32
34	Confirmation of ivermectin resistance in <i>Ostertagia ostertagi</i> in cattle in New Zealand. <i>Veterinary Parasitology</i> , 2016, 229, 139-143.	1.8	30
35	Influence of nematophagous fungi, earthworms and dung burial on development of the free-living stages of <i>Ostertagia (Teladorsagia) circumcincta</i> in New Zealand. <i>Veterinary Parasitology</i> , 2002, 104, 119-129.	1.8	28
36	The efficacy and plasma profiles of abamectin plus levamisole combination anthelmintics administered as oral and pour-on formulations to cattle. <i>Veterinary Parasitology</i> , 2016, 227, 85-92.	1.8	28

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37	Resistance to therapeutic treatment with macrocyclic lactone anthelmintics in <i>Ostertagia circumcincta</i> . <i>Veterinary Parasitology</i> , 2002, 109, 91-99.	1.8	27
38	Variation between hosts in the developmental success of the free-living stages of trichostrongyle infections of sheep. <i>International Journal for Parasitology</i> , 1998, 28, 1347-1352.	3.1	26
39	The effect on liveweight gain of using anthelmintics with incomplete efficacy against resistant <i>Cooperia oncophora</i> in cattle. <i>Veterinary Parasitology</i> , 2018, 251, 56-62.	1.8	24
40	Managing anthelmintic resistance in cyathostomin parasites: Investigating the benefits of refugia-based strategies. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 10, 118-124.	3.4	24
41	Evaluation of a larval development assay for the detection of anthelmintic resistance in <i>Ostertagia circumcincta</i> . <i>International Journal for Parasitology</i> , 1997, 27, 305-311.	3.1	22
42	A model for the dynamics of the free-living stages of equine cyathostomins. <i>Veterinary Parasitology</i> , 2015, 209, 210-220.	1.8	21
43	The effect of climate, season, and treatment intensity on anthelmintic resistance in cyathostomins: A modelling exercise. <i>Veterinary Parasitology</i> , 2019, 269, 7-12.	1.8	21
44	Dynamics of the free-living stages of sheep intestinal parasites on pasture in the North Island of New Zealand. 2. Weather variables associated with development. <i>New Zealand Veterinary Journal</i> , 2011, 59, 287-292.	0.9	20
45	Managing anthelmintic resistance in <i>Parascaris</i> spp.: A modelling exercise. <i>Veterinary Parasitology</i> , 2017, 240, 75-81.	1.8	19
46	Dynamics of the free-living stages of sheep intestinal parasites on pasture in the North Island of New Zealand. 1. Patterns of seasonal development. <i>New Zealand Veterinary Journal</i> , 2011, 59, 279-286.	0.9	18
47	The effect of continuous drug exposure on the immune response to <i>Trichostrongylus colubriformis</i> in sheep. <i>Veterinary Parasitology</i> , 1999, 80, 261-271.	1.8	17
48	The influence of temperature on the development and survival of the pre-infective free-living stages of nematode parasites of sheep. <i>New Zealand Veterinary Journal</i> , 2013, 61, 32-40.	0.9	17
49	Managing anthelmintic resistance—Variability in the dose of drug reaching the target worms influences selection for resistance?. <i>Veterinary Parasitology</i> , 2017, 243, 29-35.	1.8	17
50	The establishment rate of <i>Ostertagia circumcincta</i> and <i>Trichostrongylus colubriformis</i> in lactating Romney ewes. <i>International Journal for Parasitology</i> , 1999, 29, 315-320.	3.1	16
51	The death rate of <i>Ostertagia circumcincta</i> and <i>Trichostrongylus colubriformis</i> in lactating ewes: Implications for anthelmintic resistance. <i>International Journal for Parasitology</i> , 1997, 27, 411-416.	3.1	15
52	The immune response of sheep to larval challenge with <i>Ostertagia circumcincta</i> and <i>O. ostertagi</i> . <i>Veterinary Parasitology</i> , 1999, 84, 125-135.	1.8	15
53	Multiple resistance in <i>Trichostrongylus</i> and <i>Teladorsagia</i> (<i>Ostertagia</i>) in goats to oxfendazole, levamisole and moxidectin, and inefficacy of trichlorphon. <i>New Zealand Veterinary Journal</i> , 2004, 52, 298-299.	0.9	15
54	The distribution and anthelmintic resistance status of <i>Trichostrongylus colubriformis</i> , <i>T. vitrinus</i> and <i>T. axei</i> in lambs in New Zealand. <i>New Zealand Veterinary Journal</i> , 2014, 62, 152-159.	0.9	15

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55	Anthelmintic efficacy of single active and combination products against commonly occurring parasites in foals. <i>Veterinary Parasitology</i> , 2019, 268, 46-52.	1.8	15
56	Resistance to prophylactic treatment with macrocyclic lactone anthelmintics in <i>Teladorsagia circumcincta</i> . <i>Veterinary Parasitology</i> , 2003, 115, 301-309.	1.8	14
57	Selection for anthelmintic resistant <i>Teladorsagia circumcincta</i> in pre-weaned lambs by treating their dams with long-acting moxidectin injection. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2015, 5, 209-214.	3.4	14
58	A model for the dynamics of the parasitic stages of equine cyathostomins. <i>Veterinary Parasitology</i> , 2019, 268, 53-60.	1.8	14
59	Effects of long-acting, broad spectra anthelmintic treatments on the rumen microbial community compositions of grazing sheep. <i>Scientific Reports</i> , 2021, 11, 3836.	3.3	13
60	A climate-driven model for the dynamics of the free-living stages of <i>Cooperia oncophora</i> . <i>Veterinary Parasitology</i> , 2018, 255, 83-90.	1.8	12
61	Heat shock, but not temperature, is a biological trigger for the exsheathment of third-stage larvae of <i>Haemonchus contortus</i> . <i>Parasitology Research</i> , 2018, 117, 2395-2402.	1.6	12
62	Monitoring equine ascarid and cyathostomin parasites: Evaluating health parameters under different treatment regimens. <i>Equine Veterinary Journal</i> , 2021, 53, 902-910.	1.7	12
63	Development and spatial distribution of the free-living stages of <i>Teladorsagia circumcincta</i> and <i>Trichostrongylus colubriformis</i> on pasture: A pilot study. <i>New Zealand Veterinary Journal</i> , 2011, 59, 272-278.	0.9	11
64	Production benefits from pre- and post-lambing anthelmintic treatment of ewes on commercial farms in the southern North Island of New Zealand. <i>New Zealand Veterinary Journal</i> , 2015, 63, 211-219.	0.9	11
65	A model for the development and growth of the parasitic stages of <i>Parascaris</i> spp. in the horse. <i>Veterinary Parasitology</i> , 2016, 228, 108-115.	1.8	11
66	Nematode parasites in young cattle: what role for unexpected species?. <i>New Zealand Veterinary Journal</i> , 2019, 67, 40-45.	0.9	11
67	Climate change is likely to increase the development rate of anthelmintic resistance in equine cyathostomins in New Zealand. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 14, 73-79.	3.4	11
68	In vivo anthelmintic activity of <i>Dorycnium rectum</i> and grape seed extract against <i>Ostertagia</i> (<i>Teladorsagia</i>) <i>circumcincta</i> and <i>Trichostrongylus colubriformis</i> in sheep. <i>New Zealand Veterinary Journal</i> , 2006, 54, 21-27.	0.9	10
69	Relationship between aerial shoot and root biomass in Californian thistle. <i>New Zealand Plant Protection</i> , 0, 51, 28-32.	0.3	10
70	Carbon dioxide is an absolute requirement for exsheathment of some, but not all, abomasal nematode species. <i>Parasitology Research</i> , 2018, 117, 3675-3678.	1.6	9
71	Modelling the development of anthelmintic resistance in cyathostomin parasites: The importance of genetic and fitness parameters. <i>Veterinary Parasitology</i> , 2019, 269, 28-33.	1.8	9
72	A conceptual model for the population dynamics of <i>Cirsium arvense</i> in a New Zealand pasture. <i>New Zealand Journal of Agricultural Research</i> , 2012, 55, 371-384.	1.6	8

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73	Sustainable control of nematode parasites – A New Zealand perspective. <i>Small Ruminant Research</i> , 2014, 118, 31-34.	1.2	8
74	The effect of continuous drug exposure on the immune response of lambs challenged with drug-susceptible or drug-resistant nematode larvae. <i>Veterinary Research Communications</i> , 1998, 22, 305-314.	1.6	7
75	A survey of the prevalence of <i>Nematodirus spathiger</i> and <i>N. filicollis</i> on farms in the North and South Islands of New Zealand. <i>New Zealand Veterinary Journal</i> , 2014, 62, 286-289.	0.9	7
76	A cost-benefit analysis of pre- and post-lambing anthelmintic treatments to twin-bearing ewes on commercial farms in the southern North Island of New Zealand. <i>New Zealand Veterinary Journal</i> , 2015, 63, 220-226.	0.9	7
77	Route of administration influences the concentration of ivermectin reaching nematode parasites in the gastrointestinal tract of cattle. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 14, 152-158.	3.4	7
78	Three-year study to evaluate an anthelmintic treatment regimen with reduced treatment frequency in horses on two study sites in Belgium. <i>Veterinary Parasitology</i> , 2021, 298, 109538.	1.8	7
79	Abomasal nematode species differ in their in vitro response to exsheathment triggers. <i>Parasitology Research</i> , 2019, 118, 707-710.	1.6	6
80	Longevity of Californian thistle roots. <i>New Zealand Plant Protection</i> , 0, 53, 258-261.	0.3	6
81	Benzimidazole resistance in <i>Nematodirus spathiger</i> and <i>N. filicollis</i> in New Zealand. <i>New Zealand Veterinary Journal</i> , 2016, 64, 201-206.	0.9	5
82	Dealing with double trouble: Combination deworming against double-drug resistant cyathostomins. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 12, 28-34.	3.4	5
83	Re: Ivermectin-resistant <i>Ostertagia circumcincta</i> from sheep in the lower North Island and their susceptibility to other macrocyclic lactone anthelmintics - Reply. <i>New Zealand Veterinary Journal</i> , 2001, 49, 123-124.	0.9	4
84	Acquired immunity to endoparasites in sheep interacts with anthelmintic treatment to influence selection for anthelmintic resistance. <i>New Zealand Veterinary Journal</i> , 2010, 58, 98-102.	0.9	4
85	Route of administration affects the efficacy of moxidectin against <i>Ostertagiinae</i> nematodes in farmed red deer (<i>Cervus elaphus</i>). <i>Veterinary Parasitology</i> , 2021, 298, 109525.	1.8	4
86	Seasonal output of gastrointestinal nematode eggs and lungworm larvae in farmed wapiti and red deer of New Zealand. <i>Veterinary Parasitology</i> , 2022, 303, 109660.	1.8	4
87	Competitive exclusion of <i>Cirsium arvense</i> in pasture: a simulated neighbour grazing-height experiment. <i>New Zealand Journal of Agricultural Research</i> , 2015, 58, 1-12.	1.6	3
88	Nematode parasites are not a major cause of illthrift in adult ewes in New Zealand. <i>New Zealand Journal of Agricultural Research</i> , 2020, 63, 165-178.	1.6	3
89	Biocontrol of sheep blowfly: is there a role for pathogen-based biopesticides?. <i>Biocontrol Science and Technology</i> , 2020, 30, 51-67.	1.3	3
90	Host effects on the free-living stages of <i>Haemonchus contortus</i> . <i>Veterinary Parasitology</i> , 2021, 292, 109401.	1.8	3

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91	Production and immunological responses associated with controlled-release-capsule vs 5-drench preventive anthelmintic programmes for parasite control in lambs. <i>New Zealand Veterinary Journal</i> , 2002, 50, 70-76.	0.9	2
92	The effect of anthelmintic capsules on the egg output and larval viability of drug-resistant parasites. <i>Veterinary Research Communications</i> , 2003, 27, 149-157.	1.6	2
93	An evaluation of anthelmintic properties, assessed using faecal nematode egg counts, of New Zealand native flax (<i>Phormium tenax</i>). <i>New Zealand Veterinary Journal</i> , 2008, 56, 339-342.	0.9	2
94	Carbendazim, at concentrations used on pasture for facial eczema control, reduces development of <i>Trichostrongylus colubriformis</i> when sprayed onto infected sheep faeces. <i>New Zealand Veterinary Journal</i> , 2009, 57, 383-387.	0.9	2
95	Chilling requirements for hatching of a New Zealand isolate of <i>Nematodirus filicollis</i> . <i>Veterinary Parasitology</i> , 2016, 226, 17-21.	1.8	2
96	Establishment of <i>Cooperia oncophora</i> in calves. <i>Veterinary Parasitology</i> , 2018, 264, 64-68.	1.8	2
97	Production responses in adult ewes to long-acting anthelmintic treatment pre-mating: relationship with body condition score. <i>New Zealand Journal of Agricultural Research</i> , 2020, , 1-14.	1.6	2
98	Production responses and cost-benefit of long-acting pre-lambing anthelmintic treatment of yearling ewes in two commercial flocks in New Zealand. <i>New Zealand Veterinary Journal</i> , 2019, 67, 105-108.	0.9	1
99	The production costs of <i>Haemonchus contortus</i> and other nematode parasites in pre-weaned beef calves in New Zealand. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2022, 30, 100718.	0.5	1
100	A model for the development of the free-living stages of <i>Ostertagia leptospicularis</i> , used in conjunction with on-farm egg count data, to estimate sources of pasture contamination on New Zealand red deer (<i>Cervus elaphus</i>) farms. <i>Veterinary Parasitology</i> , 2022, 305, 109721.	1.8	1
101	Re: Faecal egg counts as a guide for drench use. <i>New Zealand Veterinary Journal</i> , 2002, 50, 124-124.	0.9	0
102	Re: Regional variations in the nematode worm populations of breeding ewes in New Zealand. <i>New Zealand Veterinary Journal</i> , 2003, 51, 248-248.	0.9	0