

Nicholas Jonsson

List of Publications by Year in descending order

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106
papers

3,658
citations

101384

36
h-index

149479

56
g-index

107
all docs

107
docs citations

107
times ranked

3284
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for the control of <i>Rhipicephalus microplus</i> ticks in a world of conventional acaricide and macrocyclic lactone resistance. <i>Parasitology Research</i> , 2018, 117, 3-29.	0.6	186
2	The productivity effects of cattle tick (<i>Boophilus microplus</i>) infestation on cattle, with particular reference to <i>Bos indicus</i> cattle and their crosses. <i>Veterinary Parasitology</i> , 2006, 137, 1-10.	0.7	180
3	Disrupted seasonal biology impacts health, food security and ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151453.	1.2	130
4	Association weight matrix for the genetic dissection of puberty in beef cattle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13642-13647.	3.3	127
5	Factors that influence the prevalence of acaricide resistance and tick-borne diseases. <i>Veterinary Parasitology</i> , 2004, 125, 163-181.	0.7	119
6	Effects of Environmental Heat on Conception Rates in Lactating Dairy Cows: Critical Periods of Exposure. <i>Journal of Dairy Science</i> , 2007, 90, 2271-2278.	1.4	115
7	Productivity and health effects of anaplasmosis and babesiosis on <i>Bos indicus</i> cattle and their crosses, and the effects of differing intensity of tick control in Australia. <i>Veterinary Parasitology</i> , 2008, 155, 1-9.	0.7	104
8	Identification of a mutation in the para-sodium channel gene of the cattle tick <i>Rhipicephalus (Boophilus) microplus</i> associated with resistance to synthetic pyrethroid acaricides. <i>International Journal for Parasitology</i> , 2009, 39, 775-779.	1.3	99
9	Cattle Tick <i>Rhipicephalus microplus</i> -Host Interface: A Review of Resistant and Susceptible Host Responses. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 506.	1.8	97
10	A single nucleotide polymorphism-derived regulatory gene network underlying puberty in 2 tropical breeds of beef cattle. <i>Journal of Animal Science</i> , 2011, 89, 1669-1683.	0.2	90
11	Progress in the epidemiology and diagnosis of amitraz resistance in the cattle tick <i>Boophilus microplus</i> . <i>Veterinary Parasitology</i> , 2007, 146, 193-198.	0.7	87
12	Laboratory studies on Australian isolates of <i>Metarhizium anisopliae</i> as a biopesticide for the cattle tick <i>Boophilus microplus</i> . <i>Journal of Invertebrate Pathology</i> , 2008, 97, 40-49.	1.5	87
13	Immunological Profiles of <i>Bos taurus</i> and <i>Bos indicus</i> Cattle Infested with the Cattle Tick, <i>Rhipicephalus (Boophilus) microplus</i> . <i>Vaccine Journal</i> , 2009, 16, 1074-1086.	3.2	86
14	World Association for the Advancement of Veterinary Parasitology (W.A.A.V.P.) guidelines for evaluating the efficacy of acaricides against ticks (Ixodidae) on ruminants. <i>Veterinary Parasitology</i> , 2006, 136, 29-43.	0.7	83
15	Possible risk factors on Queensland dairy farms for acaricide resistance in cattle tick (<i>Boophilus</i>) Tj ETQq1 1 0.784314 rgBT /Qyerlock 100	0.7	81
16	Production effects of cattle tick (<i>Boophilus microplus</i>) infestation of high yielding dairy cows. <i>Veterinary Parasitology</i> , 1998, 78, 65-77.	0.7	66
17	Evaluation of TickGARDPLUS, a novel vaccine against <i>Boophilus microplus</i> , in lactating Holstein-Friesian cows. <i>Veterinary Parasitology</i> , 2000, 88, 275-285.	0.7	64
18	Critical evaluation of the modified-adult immersion test with discriminating dose bioassay for <i>Boophilus microplus</i> using American and Australian isolates. <i>Veterinary Parasitology</i> , 2007, 146, 307-315.	0.7	63

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19	Gene expression in the skin of <i>Bos taurus</i> and <i>Bos indicus</i> cattle infested with the cattle tick, <i>Rhipicephalus (Boophilus) microplus</i> . <i>Veterinary Immunology and Immunopathology</i> , 2008, 126, 110-119.	0.5	63
20	Tick-susceptible <i>Bos taurus</i> cattle display an increased cellular response at the site of larval <i>Rhipicephalus (Boophilus) microplus</i> attachment, compared with tick-resistant <i>Bos indicus</i> cattle. <i>International Journal for Parasitology</i> , 2010, 40, 431-441.	1.3	61
21	Identification of a mutation in the para-sodium channel gene of the cattle tick <i>Rhipicephalus microplus</i> associated with resistance to flumethrin but not to cypermethrin. <i>International Journal for Parasitology</i> , 2010, 40, 1659-1664.	1.3	61
22	Molecular genetic approaches for identifying the basis of variation in resistance to tick infestation in cattle. <i>Veterinary Parasitology</i> , 2011, 180, 165-172.	0.7	58
23	Mutation in the <i>Rm12AOR</i> gene is associated with amitraz resistance in the cattle tick <i>Rhipicephalus microplus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16772-16777.	3.3	57
24	Frequency of feline diabetes mellitus and breed predisposition in domestic cats in Australia. <i>Veterinary Journal</i> , 2009, 179, 254-258.	0.6	53
25	Is endemic stability of tick-borne disease in cattle a useful concept?. <i>Trends in Parasitology</i> , 2012, 28, 85-89.	1.5	53
26	Host resistance in cattle to infestation with the cattle tick <i>Rhipicephalus microplus</i> . <i>Parasite Immunology</i> , 2014, 36, 553-559.	0.7	53
27	Relationships among calving season, heat load, energy balance and postpartum ovulation of dairy cows in a subtropical environment. <i>Animal Reproduction Science</i> , 1997, 47, 315-326.	0.5	50
28	Spatial variation of tick abundance and seroconversion rates of indigenous cattle to <i>Anaplasma marginale</i> , <i>Babesia bigemina</i> and <i>Theileria parva</i> infections in Uganda. <i>Experimental and Applied Acarology</i> , 2011, 55, 203-213.	0.7	50
29	Local immune response against larvae of <i>Rhipicephalus (Boophilus) microplus</i> in <i>Bos taurus indicus</i> and <i>Bos taurus taurus</i> cattle. <i>International Journal for Parasitology</i> , 2010, 40, 865-875.	1.3	44
30	Molecular biology of amitraz resistance in cattle ticks of the genus <i>Rhipicephalus</i> . <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 796-810.	3.0	40
31	The Internet of Things enhancing animal welfare and farm operational efficiency. <i>Journal of Dairy Research</i> , 2020, 87, 20-27.	0.7	40
32	Extent and economic effect of heat loads on dairy cattle production in Australia. <i>Australian Veterinary Journal</i> , 1999, 77, 804-808.	0.5	39
33	An estimate of the economic effects of cattle tick (<i>Boophilus microplus</i>) infestation on Queensland dairy farms. <i>Australian Veterinary Journal</i> , 2001, 79, 826-831.	0.5	38
34	Field anaesthesia of three Australian species of flying fox. <i>Veterinary Record</i> , 2004, 154, 664-664.	0.2	38
35	Suppressive subtractive hybridization analysis of <i>Rhipicephalus (Boophilus) microplus</i> larval and adult transcript expression during attachment and feeding. <i>Veterinary Parasitology</i> , 2010, 167, 304-320.	0.7	36
36	Identification of the Rumination in Cattle Using Support Vector Machines with Motion-Sensitive Bolus Sensors. <i>Sensors</i> , 2019, 19, 1165.	2.1	36

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37	Attitudes and practices of Queensland dairy farmers to the control of the cattle tick, <i>Boophilus microplus</i> . <i>Australian Veterinary Journal</i> , 1998, 76, 746-751.	0.5	35
38	Estimation of the effects of buffalo fly (<i>Haematobia irritans exigua</i>) on the milk production of dairy cattle based on a meta-analysis of literature data. <i>Medical and Veterinary Entomology</i> , 1999, 13, 372-376.	0.7	33
39	Rotation of treatments between spinosad and amitraz for the control of <i>Rhipicephalus (Boophilus) microplus</i> populations with amitraz resistance. <i>Veterinary Parasitology</i> , 2010, 169, 157-164.	0.7	32
40	Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (<i>Pteropus</i> spp.). <i>Theriogenology</i> , 2005, 64, 1072-1089.	0.9	30
41	Pen studies on the control of cattle tick (<i>Rhipicephalus (Boophilus) microplus</i>) with <i>Metarhizium anisopliae</i> (Sorokin). <i>Veterinary Parasitology</i> , 2008, 156, 248-260.	0.7	29
42	Experimental vaccination of sheep and cattle against tick infestation using recombinant 5â€²-nucleotidase. <i>Parasite Immunology</i> , 2010, 32, 135-142.	0.7	29
43	Comparison of metabolic, hematological, and peripheral blood leukocyte cytokine profiles of dairy cows and heifers during the periparturient period. <i>Journal of Dairy Science</i> , 2013, 96, 2283-2292.	1.4	28
44	Clinical features associated with seroconversion to <i>Anaplasma marginale</i> , <i>Babesia bigemina</i> and <i>Theileria parva</i> infections in African cattle under natural tick challenge. <i>Veterinary Parasitology</i> , 2008, 155, 273-280.	0.7	27
45	Control of cattle ticks (<i>Boophilus microplus</i>) on Queensland dairy farms. <i>Australian Veterinary Journal</i> , 1997, 75, 802-807.	0.5	25
46	Population structure of Australian isolates of the cattle tick <i>Rhipicephalus (Boophilus) microplus</i> . <i>Veterinary Parasitology</i> , 2009, 161, 283-291.	0.7	25
47	Animal Lameness Detection With Radar Sensing. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1189-1193.	1.4	24
48	Shedding of <i>Cryptosporidium</i> in calves and dams: evidence of re-infection and shedding of different gp60 subtypes. <i>Parasitology</i> , 2019, 146, 1404-1413.	0.7	24
49	Culture-independent identification of bacteria associated with ovine "broken mouth" periodontitis. <i>Veterinary Microbiology</i> , 2013, 166, 664-669.	0.8	23
50	Efficacy of Toltrazuril 5 % Suspension against <i>Eimeria bovis</i> and <i>Eimeria zuernii</i> in Calves and Observations on the Associated Immunopathology. <i>Parasitology Research</i> , 2011, 109, 113-128.	0.6	22
51	Identification of a novel Î²-adrenergic octopamine receptor-like gene (Î²AOR-like) and increased ATP-binding cassette B10 (ABCB10) expression in a <i>Rhipicephalus microplus</i> cell line derived from acaricide-resistant ticks. <i>Parasites and Vectors</i> , 2016, 9, 425.	1.0	22
52	Describing temporal variation in reticuloruminal pH using continuous monitoring data. <i>Journal of Dairy Science</i> , 2018, 101, 233-245.	1.4	22
53	Variation among Bm86 sequences in <i>Rhipicephalus (Boophilus) microplus</i> ticks collected from cattle across Thailand. <i>Experimental and Applied Acarology</i> , 2015, 66, 247-256.	0.7	21
54	Effect of Genetic Merit and Concentrate Feeding on Reproduction of Grazing Dairy Cows in a Subtropical Environment. <i>Journal of Dairy Science</i> , 1999, 82, 2756-2765.	1.4	20

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55	Tick paralysis and hepatic lipidosis in a llama. <i>Australian Veterinary Journal</i> , 1997, 75, 250-253.	0.5	19
56	Resistance of Holstein-Friesian cows to infestation by the cattle tick (<i>Boophilus microplus</i>). <i>Veterinary Parasitology</i> , 2000, 89, 297-305.	0.7	19
57	Serological evidence of exposure to tick fever organisms in young cattle on Queensland dairy farms. <i>Australian Veterinary Journal</i> , 2003, 81, 147-152.	0.5	18
58	Syringe test (modified larval immersion test): A new bioassay for testing acaricidal activity of plant extracts against <i>Rhipicephalus microplus</i> . <i>Veterinary Parasitology</i> , 2012, 188, 362-367.	0.7	18
59	Peripheral cellular and humoral responses to infestation with the cattle tick <i>Rhipicephalus microplus</i> in Santa Gertrudis cattle. <i>Parasite Immunology</i> , 2017, 39, e12402.	0.7	17
60	Generation of Full-Length cDNAs for Eight Putative GPCnR from the Cattle Tick, <i>R. microplus</i> Using a Targeted Degenerate PCR and Sequencing Strategy. <i>PLoS ONE</i> , 2012, 7, e32480.	1.1	17
61	Targeted anthelmintic treatment of parasitic gastroenteritis in first grazing season dairy calves using daily live weight gain as an indicator. <i>Veterinary Parasitology</i> , 2017, 244, 85-90.	0.7	16
62	Evaluation of reticuloruminal pH measurements from individual cattle: Sampling strategies for the assessment of herd status. <i>Veterinary Journal</i> , 2019, 243, 26-32.	0.6	16
63	Comparative studies on the invasion of cattle ticks (<i>Rhipicephalus (Boophilus) microplus</i>) and sheep blowflies (<i>Lucilia cuprina</i>) by <i>Metarhizium anisopliae</i> (Sorokin). <i>Journal of Invertebrate Pathology</i> , 2012, 109, 248-259.	1.5	15
64	Development of a framework for genotyping bovine-derived <i>Cryptosporidium parvum</i> , using a multilocus fragment typing tool. <i>Parasites and Vectors</i> , 2015, 8, 500.	1.0	15
65	A multiplex PCR test to identify four common cattle-adapted <i>Cryptosporidium</i> species. <i>Parasitology Open</i> , 2016, 2, .	0.9	14
66	Serological Survey of <i>Babesia bovis</i> and <i>Anaplasma marginale</i> in cattle in Tete Province, Mozambique. <i>Tropical Animal Health and Production</i> , 2005, 37, 121-131.	0.5	13
67	Effects of Hypocalcaemia on Blood Flow to the Ovaries of the Sheep. <i>Transboundary and Emerging Diseases</i> , 1997, 44, 281-287.	0.6	12
68	World Association for the Advancement of Veterinary Parasitology (WAAVP) second edition: Guideline for evaluating the efficacy of parasiticides against ectoparasites of ruminants. <i>Veterinary Parasitology</i> , 2022, 302, 109613.	0.7	12
69	An outbreak of malignant catarrhal fever in young rusa deer (<i>Cervus timorensis</i>). <i>Australian Veterinary Journal</i> , 1997, 75, 722-723.	0.5	11
70	Association between non-parturient post-partum hypocalcaemia and the interval from calving to first ovulation in Holstein-Friesian cows. <i>Animal Science</i> , 1999, 69, 377-383.	1.3	11
71	A low cost decision support tool for the diagnosis of endemic bovine infectious diseases in the mixed crop-livestock production system of sub-Saharan Africa. <i>Epidemiology and Infection</i> , 2007, 135, 67-75.	1.0	11
72	Diagnostic value of rectal temperature of African cattle of variable coat colour infected with trypanosomes and tick-borne infections. <i>Veterinary Parasitology</i> , 2009, 160, 301-305.	0.7	11

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73	Breeding for disease resistance in livestock and fish.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-10.	0.6	11
74	Comparison of bioassay responses to the potential fungal biopesticide <i>Metarhizium anisopliae</i> in <i>Rhipicephalus</i> (<i>Boophilus</i>) <i>microplus</i> and <i>Lucilia cuprina</i> . <i>Veterinary Parasitology</i> , 2012, 185, 236-247.	0.7	11
75	P-glycoprotein-9 and macrocyclic lactone resistance status in selected strains of the ovine gastrointestinal nematode, <i>Teladorsagia circumcincta</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 70-80.	1.4	11
76	Multiple paternity in <i>Rhipicephalus</i> (<i>Boophilus</i>) <i>microplus</i> confirmed by microsatellite analysis. <i>Experimental and Applied Acarology</i> , 2010, 50, 51-58.	0.7	10
77	Liver fluke in beef cattle – Impact on production efficiency and associated greenhouse gas emissions estimated using causal inference methods. <i>Preventive Veterinary Medicine</i> , 2022, 200, 105579.	0.7	10
78	The RIPK2 gene: a positional candidate for tick burden supported by genetic associations in cattle and immunological response of knockout mouse. <i>Immunogenetics</i> , 2012, 64, 379-388.	1.2	9
79	NMR-based metabolomics of bovine blood: an investigation into the effects of long term storage on plasma samples. <i>Metabolomics</i> , 2013, 9, 1041-1047.	1.4	9
80	Comparison of the impact of six heat-load management strategies on thermal responses and milk production of feed-pad and pasture fed dairy cows in a subtropical environment. <i>International Journal of Biometeorology</i> , 2016, 60, 1961-1968.	1.3	9
81	Contrasting effects of high-starch and high-sugar diets on ruminal function in cattle. <i>Journal of Dairy Research</i> , 2020, 87, 175-183.	0.7	9
82	Evaluation of lameness detection using radar sensing in ruminants. <i>Veterinary Record</i> , 2019, 185, 572-572.	0.2	9
83	Adverse effects of routine bovine health treatments containing triclabendazole and synthetic pyrethroids on the abundance of dipteran larvae in bovine faeces. <i>Scientific Reports</i> , 2019, 9, 4315.	1.6	8
84	<i>Teladorsagia circumcincta</i> : Molecular characterisation of the avr-14B subunit and its relatively minor role in ivermectin resistance. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2012, 2, 154-161.	1.4	7
85	Immuno-fluorescence staining patterns of leukocyte subsets in the skin of taurine and indicine cattle. <i>Research in Veterinary Science</i> , 2013, 95, 854-860.	0.9	7
86	Alkaline phosphatase in nasal secretion of cattle: biochemical and molecular characterisation. <i>BMC Veterinary Research</i> , 2014, 10, 204.	0.7	7
87	Local immune response to larvae of <i>Rhipicephalus microplus</i> in Santa Gertrudis cattle. <i>Parasite Immunology</i> , 2018, 40, e12515.	0.7	7
88	Bovine congenital erythrocytic protoporphyria in a Limousin calf bred in the UK. <i>Veterinary Record</i> , 2002, 150, 608-610.	0.2	6
89	A genetic and immunological comparison of tick-resistance in beef cattle following artificial infestation with <i>Rhipicephalus</i> ticks. <i>Experimental and Applied Acarology</i> , 2020, 80, 569-590.	0.7	6
90	Postmortem observations on rumen wall histology and gene expression and ruminal and caecal content of beef cattle fattened on barley-based rations. <i>Animal</i> , 2020, 14, 1447-1460.	1.3	4

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91	Allelic Variation in Protein Tyrosine Phosphatase Receptor Type-C in Cattle Influences Erythrocyte, Leukocyte and Humoral Responses to Infestation With the Cattle Tick <i>Rhipicephalus australis</i> . <i>Frontiers in Immunology</i> , 2021, 12, 675979.	2.2	4
92	Portable haemoglobinometers and their potential for penside detection of anaemia in bovine disease diagnosis: a comparative evaluation. <i>Veterinary Journal</i> , 2004, 168, 343-348.	0.6	3
93	Haematological values of young male rusa deer (<i>Cervus timorensis</i>). <i>Australian Veterinary Journal</i> , 2005, 83, 496-498.	0.5	3
94	Radar-based evaluation of lameness detection in ruminants: preliminary results. , 2019, , .		3
95	Livestock Management in Red-Billed Cough Feeding Habitat in Great Britain and the Isle of Man. <i>Rangeland Ecology and Management</i> , 2020, 73, 216-223.	1.1	3
96	A novel ammoniation treatment of barley as a strategy to optimize rumen pH, feed degradability and microbial protein synthesis in sheep. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5541-5549.	1.7	3
97	Serum proteomes of Santa Gertrudis cattle before and after infestation with <i>Rhipicephalus australis</i> ticks. <i>Parasite Immunology</i> , 2021, 43, e12836.	0.7	3
98	Light microscopic observations of the ruminal papillae of cattle on diets with divergent forage to cereal ratios. <i>Animal</i> , 2022, 16, 100462.	1.3	3
99	Technical report: In-gel sample preparation prior to proteomic analysis of bovine faeces increases protein identifications by removal of high molecular weight glycoproteins. <i>Journal of Proteomics</i> , 2022, 261, 104573.	1.2	3
100	Transcriptional changes in the peripheral blood leukocytes from Brangus cattle before and after tick challenge with <i>Rhipicephalus australis</i> . <i>BMC Genomics</i> , 2022, 23, .	1.2	3
101	Effects of Oral Dosing with Calcium Propionate on Total Calcium and Glucose Concentrations in the Plasma of the Cow. <i>Transboundary and Emerging Diseases</i> , 1998, 45, 127-136.	0.6	2
102	Combining molecular and incomplete observational data to inform management of southern white rhinoceros (<i>Ceratotherium simum simum</i>). <i>Conservation Genetics</i> , 2019, 20, 639-652.	0.8	2
103	Effects of ammonia-treated maize on growth performance of beef cattle. <i>Animal Feed Science and Technology</i> , 2022, 290, 115350.	1.1	2
104	The heritability of <i>Nematodirus battus</i> faecal egg counts. <i>Parasitology</i> , 2022, , 1-28.	0.7	1
105	Reduction and repair of colonic intussusception in a wapiti/red hybrid hind (<i>Cervus elaphus</i>). <i>Australian Veterinary Journal</i> , 1995, 72, 471-472.	0.5	0
106	Clinical research: developing an appropriate career structure. <i>Veterinary Record</i> , 2015, 177, 544-547.	0.2	0