

Herman W. Barkema

List of Publications by Year in descending order

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353
papers

22,476
citations

11639

70
h-index

12585

132
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359
all docs

359
docs citations

359
times ranked

18488
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing Incidence and Prevalence of the Inflammatory Bowel Diseases With Time, Based on Systematic Review. <i>Gastroenterology</i> , 2012, 142, 46-54.e42.	0.6	4,013
2	Risk of Surgery for Inflammatory Bowel Diseases Has Decreased Over Time: A Systematic Review and Meta-analysis of Population-Based Studies. <i>Gastroenterology</i> , 2013, 145, 996-1006.	0.6	670
3	Restricting the use of antibiotics in food-producing animals and its associations with antibiotic resistance in food-producing animals and human beings: a systematic review and meta-analysis. <i>Lancet Planetary Health</i> , The, 2017, 1, e316-e327.	5.1	569
4	Invited Review: The Role of Cow, Pathogen, and Treatment Regimen in the Therapeutic Success of Bovine <i>Staphylococcus aureus</i> Mastitis. <i>Journal of Dairy Science</i> , 2006, 89, 1877-1895.	1.4	497
5	Invited review: Mastitis in dairy heifers: Nature of the disease, potential impact, prevention, and control. <i>Journal of Dairy Science</i> , 2012, 95, 1025-1040.	1.4	382
6	Invited review: Changes in the dairy industry affecting dairy cattle health and welfare. <i>Journal of Dairy Science</i> , 2015, 98, 7426-7445.	1.4	382
7	Incidence of Clinical Mastitis in Dairy Herds Grouped in Three Categories by Bulk Milk Somatic Cell Counts. <i>Journal of Dairy Science</i> , 1998, 81, 411-419.	1.4	367
8	Evaluation of three ELISAs for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> using tissue and fecal culture as comparison standards. <i>Veterinary Microbiology</i> , 2005, 110, 105-111.	0.8	350
9	Incidence Rate of Clinical Mastitis on Canadian Dairy Farms. <i>Journal of Dairy Science</i> , 2008, 91, 1366-1377.	1.4	340
10	Incidence of primary sclerosing cholangitis: A systematic review and meta-analysis. <i>Hepatology</i> , 2011, 53, 1590-1599.	3.6	230
11	Control of paratuberculosis: who, why and how. A review of 48 countries. <i>BMC Veterinary Research</i> , 2019, 15, 198.	0.7	219
12	Environmental Particulate Matter Induces Murine Intestinal Inflammatory Responses and Alters the Gut Microbiome. <i>PLoS ONE</i> , 2013, 8, e62220.	1.1	210
13	Invited review: Determinants of farmers' adoption of management-based strategies for infectious disease prevention and control. <i>Journal of Dairy Science</i> , 2017, 100, 3329-3347.	1.4	192
14	Cow- and Quarter-Level Risk Factors for <i>Streptococcus uberis</i> and <i>Staphylococcus aureus</i> Mastitis. <i>Journal of Dairy Science</i> , 2001, 84, 2649-2663.	1.4	184
15	Prevalence of lameness and associated risk factors in Canadian Holstein-Friesian cows housed in freestall barns. <i>Journal of Dairy Science</i> , 2015, 98, 6978-6991.	1.4	183
16	Antimicrobial use on Canadian dairy farms. <i>Journal of Dairy Science</i> , 2012, 95, 1209-1221.	1.4	179
17	Management Practices Associated with the Incidence Rate of Clinical Mastitis. <i>Journal of Dairy Science</i> , 1999, 82, 1643-1654.	1.4	176
18	The Effect of Season on Somatic Cell Count and the Incidence of Clinical Mastitis. <i>Journal of Dairy Science</i> , 2007, 90, 1704-1715.	1.4	168

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19	Increased Prevalence of Circulating Novel IL-17 Secreting Foxp3 Expressing CD4+ T Cells and Defective Suppressive Function of Circulating Foxp3+ Regulatory Cells Support Plasticity Between Th17 and Regulatory T Cells in Inflammatory Bowel Disease Patients. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 2522-2534.	0.9	162
20	Management Practices Associated with Low, Medium, and High Somatic Cell Counts in Bulk Milk. <i>Journal of Dairy Science</i> , 1998, 81, 1917-1927.	1.4	159
21	Invited review: Microbiota of the bovine udder: Contributing factors and potential implications for udder health and mastitis susceptibility. <i>Journal of Dairy Science</i> , 2018, 101, 10605-10625.	1.4	159
22	Prevalence and distribution of mastitis pathogens in subclinically infected dairy cows in Flanders, Belgium. <i>Journal of Dairy Research</i> , 2007, 74, 478-483.	0.7	155
23	Incidence of clinical mastitis and distribution of pathogens on large Chinese dairy farms. <i>Journal of Dairy Science</i> , 2017, 100, 4797-4806.	1.4	154
24	Invited review: The role of contagious disease in udder health. <i>Journal of Dairy Science</i> , 2009, 92, 4717-4729.	1.4	149
25	Factors Associated with Cure after Therapy of Clinical Mastitis Caused by <i>Staphylococcus aureus</i> . <i>Journal of Dairy Science</i> , 2000, 83, 278-284.	1.4	147
26	Dogs shed <i>Neospora caninum</i> oocysts after ingestion of naturally infected bovine placenta but not after ingestion of colostrum spiked with <i>Neospora caninum</i> tachyzoites. <i>International Journal for Parasitology</i> , 2001, 31, 747-752.	1.3	141
27	Symposium review: Novel strategies to genetically improve mastitis resistance in dairy cattle. <i>Journal of Dairy Science</i> , 2018, 101, 2724-2736.	1.4	140
28	Management Style and Its Association with Bulk Milk Somatic Cell Count and Incidence Rate of Clinical Mastitis. <i>Journal of Dairy Science</i> , 1999, 82, 1655-1663.	1.4	138
29	Clinical, epidemiological and molecular characteristics of <i>Streptococcus uberis</i> infections in dairy herds. <i>Epidemiology and Infection</i> , 2003, 130, 335-349.	1.0	136
30	Invited review: Effect of udder health management practices on herd somatic cell count. <i>Journal of Dairy Science</i> , 2011, 94, 563-579.	1.4	134
31	Analytical specificity and sensitivity of a real-time polymerase chain reaction assay for identification of bovine mastitis pathogens. <i>Journal of Dairy Science</i> , 2009, 92, 952-959.	1.4	130
32	Comparison of <i>Staphylococcus aureus</i> Isolates from Bovine and Human Skin, Milking Equipment, and Bovine Milk by Phage Typing, Pulsed-Field Gel Electrophoresis, and Binary Typing. <i>Journal of Clinical Microbiology</i> , 2002, 40, 3894-3902.	1.8	129
33	Estimation of Interdependence Among Quarters of the Bovine Udder with Subclinical Mastitis and Implications for Analysis. <i>Journal of Dairy Science</i> , 1997, 80, 1592-1599.	1.4	127
34	The National Cohort of Dairy Farms—A data collection platform for mastitis research in Canada. <i>Journal of Dairy Science</i> , 2011, 94, 1616-1626.	1.4	126
35	Prevalence and distribution of foot lesions in dairy cattle in Alberta, Canada. <i>Journal of Dairy Science</i> , 2016, 99, 6828-6841.	1.4	126
36	The Effect of Pathogen-Specific Clinical Mastitis on the Lactation Curve for Somatic Cell Count. <i>Journal of Dairy Science</i> , 2002, 85, 1314-1323.	1.4	125

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37	The relationship between urban environment and the inflammatory bowel diseases: a systematic review and meta-analysis. <i>BMC Gastroenterology</i> , 2012, 12, 51.	0.8	124
38	Application of Pulsed-Field Gel Electrophoresis and Binary Typing as Tools in Veterinary Clinical Microbiology and Molecular Epidemiologic Analysis of Bovine and Human <i>Staphylococcus aureus</i> Isolates. <i>Journal of Clinical Microbiology</i> , 2000, 38, 1931-1939.	1.8	124
39	Herd-Level Mastitis-Associated Costs on Canadian Dairy Farms. <i>Frontiers in Veterinary Science</i> , 2018, 5, 100.	0.9	122
40	Environment and the Inflammatory Bowel Diseases. <i>Canadian Journal of Gastroenterology & Hepatology</i> , 2013, 27, e18-e24.	1.8	121
41	Dogs as Sources and Sentinels of Parasites in Humans and Wildlife, Northern Canada. <i>Emerging Infectious Diseases</i> , 2008, 14, 60-63.	2.0	113
42	The effects of lameness on reproductive performance, milk production and culling in Dutch dairy farms. <i>Preventive Veterinary Medicine</i> , 1994, 20, 249-259.	0.7	111
43	Classification and Longitudinal Examination of Callused Teat Ends in Dairy Cows. <i>Journal of Dairy Science</i> , 2000, 83, 2795-2804.	1.4	107
44	Antimicrobial resistance (AMR) in COVID-19 patients: a systematic review and meta-analysis (November) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i>	1.5	102
45	Associations Between Pathogen-Specific Cases of Clinical Mastitis and Somatic Cell Count Patterns. <i>Journal of Dairy Science</i> , 2004, 87, 95-105.	1.4	99
46	Relationship Between Teat-End Callosity and Occurrence of Clinical Mastitis. <i>Journal of Dairy Science</i> , 2001, 84, 2664-2672.	1.4	97
47	Risk Factors for Clinical Mastitis in a Random Sample of Dairy Herds from the Southern Part of The Netherlands. <i>Journal of Dairy Science</i> , 1998, 81, 420-426.	1.4	96
48	Incidence rate of pathogen-specific clinical mastitis on conventional and organic Canadian dairy farms. <i>Journal of Dairy Science</i> , 2016, 99, 1341-1350.	1.4	93
49	Chlorogenic acid promotes the Nrf2/HO-1 anti-oxidative pathway by activating p21Waf1/Cip1 to resist dexamethasone-induced apoptosis in osteoblastic cells. <i>Free Radical Biology and Medicine</i> , 2019, 137, 1-12.	1.3	92
50	Recurrent Clinical Mastitis Caused by <i>Escherichia coli</i> in Dairy Cows. <i>Journal of Dairy Science</i> , 1999, 82, 80-85.	1.4	91
51	Antimicrobial resistance profiles of common mastitis pathogens on Canadian dairy farms. <i>Journal of Dairy Science</i> , 2012, 95, 4319-4332.	1.4	89
52	Probability of and risk factors for introduction of infectious diseases into Dutch SPF dairy farms: a cohort study. <i>Preventive Veterinary Medicine</i> , 2002, 54, 279-289.	0.7	87
53	Invited review: Incidence, risk factors, and effects of clinical mastitis recurrence in dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 4729-4746.	1.4	87
54	Prevalence and herd-level risk factors for intramammary infection with coagulase-negative staphylococci in Dutch dairy herds. <i>Veterinary Microbiology</i> , 2009, 134, 37-44.	0.8	86

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55	Use of long-term vaccination with a killed vaccine to prevent fecal shedding of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> in dairy herds. <i>American Journal of Veterinary Research</i> , 2001, 62, 270-274.	0.3	84
56	Challenges associated with identifying the environmental determinants of the inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1792-1799.	0.9	84
57	The Influence of Cow Factors on the Incidence of Clinical Mastitis in Dairy Cows. <i>Journal of Dairy Science</i> , 2008, 91, 1391-1402.	1.4	83
58	Manageable risk factors associated with the lactational incidence, elimination, and prevalence of <i>Staphylococcus aureus</i> intramammary infections in dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 1283-1300.	1.4	83
59	Antimicrobial resistance profiles of 5 common bovine mastitis pathogens in large Chinese dairy herds. <i>Journal of Dairy Science</i> , 2019, 102, 2416-2426.	1.4	83
60	Analysis of an Outbreak of <i>Streptococcus uberis</i> Mastitis. <i>Journal of Dairy Science</i> , 2001, 84, 590-599.	1.4	82
61	Associations between lying behavior and lameness in Canadian Holstein-Friesian cows housed in freestall barns. <i>Journal of Dairy Science</i> , 2016, 99, 2086-2101.	1.4	82
62	Heifers infected with coagulase-negative staphylococci in early lactation have fewer cases of clinical mastitis and higher milk production in their first lactation than noninfected heifers. <i>Journal of Dairy Science</i> , 2010, 93, 2014-2024.	1.4	80
63	Performance of API Staph ID 32 and Staph-Zym for identification of coagulase-negative staphylococci isolated from bovine milk samples. <i>Veterinary Microbiology</i> , 2009, 136, 300-305.	0.8	79
64	Knowledge gaps that hamper prevention and control of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 125-148.	1.3	79
65	Quarter-milk somatic cell count at calving and at the first six milkings after calving. <i>Preventive Veterinary Medicine</i> , 1999, 38, 1-9.	0.7	78
66	Prevalence and regional distribution of paratuberculosis in dairy herds in the Netherlands. <i>Veterinary Microbiology</i> , 2000, 77, 253-261.	0.8	78
67	Prevalence of intramammary infection in Dutch dairy herds. <i>Journal of Dairy Research</i> , 2009, 76, 129-136.	0.7	77
68	Meta-analysis of the effect of oral selenium supplementation on milk selenium concentration in cattle. <i>Journal of Dairy Science</i> , 2009, 92, 324-342.	1.4	77
69	Evidence of post-natal transmission of <i>Neospora caninum</i> in Dutch dairy herds. <i>International Journal for Parasitology</i> , 2001, 31, 209-215.	1.3	75
70	In vitro growth inhibition of major mastitis pathogens by <i>Staphylococcus chromogenes</i> originating from teat apices of dairy heifers. <i>Veterinary Microbiology</i> , 2004, 101, 215-221.	0.8	75
71	Somatic Cell Count Distributions During Lactation Predict Clinical Mastitis. <i>Journal of Dairy Science</i> , 2004, 87, 1256-1264.	1.4	75
72	Herd-level association between antimicrobial use and antimicrobial resistance in bovine mastitis <i>Staphylococcus aureus</i> isolates on Canadian dairy farms. <i>Journal of Dairy Science</i> , 2012, 95, 1921-1929.	1.4	75

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73	Identification of bovine-associated coagulase-negative staphylococci by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry using a direct transfer protocol. <i>Journal of Dairy Science</i> , 2017, 100, 2137-2147.	1.4	75
74	Natural transmission routes of <i>Neospora caninum</i> between farm dogs and cattle. <i>Veterinary Parasitology</i> , 2002, 105, 99-104.	0.7	73
75	Prepartum teat apex colonization with <i>Staphylococcus chromogenes</i> in dairy heifers is associated with low somatic cell count in early lactation. <i>Veterinary Microbiology</i> , 2003, 92, 245-252.	0.8	73
76	Profiles of Lamina Propria T Helper Cell Subsets Discriminate Between Ulcerative Colitis and Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 1779-1792.	0.9	73
77	A mathematical model of <i>Staphylococcus aureus</i> control in dairy herds. <i>Epidemiology and Infection</i> , 2002, 129, 397-416.	1.0	72
78	Limitations of variable number of tandem repeat typing identified through whole genome sequencing of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> on a national and herd level. <i>BMC Genomics</i> , 2015, 16, 161.	1.2	71
79	Prevalence of non- <i>aureus</i> staphylococci species causing intramammary infections in Canadian dairy herds. <i>Journal of Dairy Science</i> , 2017, 100, 5592-5612.	1.4	70
80	Impact of Early Lactation Somatic Cell Count in Heifers on Milk Yield Over the First Lactation. <i>Journal of Dairy Science</i> , 2005, 88, 938-947.	1.4	69
81	Management practices associated with the bulk-milk prevalence of <i>Staphylococcus aureus</i> in Canadian dairy farms. <i>Preventive Veterinary Medicine</i> , 2010, 97, 20-28.	0.7	68
82	Pathogen group specific risk factors at herd, heifer and quarter levels for intramammary infections in early lactating dairy heifers. <i>Preventive Veterinary Medicine</i> , 2011, 99, 91-101.	0.7	66
83	Prevalence of and factors associated with hock, knee, and neck injuries on dairy cows in freestall housing in Canada. <i>Journal of Dairy Science</i> , 2014, 97, 173-184.	1.4	65
84	Technical note: Accuracy of an ear tag-attached accelerometer to monitor rumination and feeding behavior in feedlot cattle. <i>Journal of Animal Science</i> , 2015, 93, 3164-3168.	0.2	64
85	Population dynamics of bovine herpesvirus 1 infection in a dairy herd. <i>Veterinary Microbiology</i> , 1996, 53, 169-180.	0.8	63
86	Culture of Strategically Pooled Bovine Fecal Samples as a Method to Screen Herds for Paratuberculosis. <i>Journal of Veterinary Diagnostic Investigation</i> , 2000, 12, 547-551.	0.5	63
87	Cow-specific treatment of clinical mastitis: An economic approach. <i>Journal of Dairy Science</i> , 2011, 94, 174-188.	1.4	63
88	Evaluation of age-dependent susceptibility in calves infected with two doses of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> using pathology and tissue culture. <i>Veterinary Research</i> , 2013, 44, 94.	1.1	61
89	NEOSPORA CANINUM-LIKE OOCYSTS OBSERVED IN FECES OF FREE-RANGING RED FOXES (<i>VULPES VULPES</i>) AND COYOTES (<i>CANIS LATRANS</i>). <i>Journal of Parasitology</i> , 2006, 92, 1270-1274.	0.3	60
90	Herd-level diagnosis for <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Dublin infection in bovine dairy herds. <i>Preventive Veterinary Medicine</i> , 2002, 53, 31-42.	0.7	59

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91	Canadian National Dairy Study: Heifer calf management. <i>Journal of Dairy Science</i> , 2018, 101, 10565-10579.	1.4	58
92	Associations of dairy cow behavior, barn hygiene, cow hygiene, and risk of elevated somatic cell count. <i>Journal of Dairy Science</i> , 2012, 95, 5730-5739.	1.4	57
93	Specificity of two tests for the early diagnosis of bovine paratuberculosis based on cell-mediated immunity: the Johnin skin test and the gamma interferon assay. <i>Veterinary Microbiology</i> , 2003, 97, 73-86.	0.8	56
94	Phenotypic Features of Crohn's Disease Associated With Failure of Medical Treatment. <i>Clinical Gastroenterology and Hepatology</i> , 2014, 12, 434-442.e1.	2.4	56
95	Living with Inflammatory Bowel Disease: A Crohn's and Colitis Canada Survey. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2015, 29, 77-84.	0.8	56
96	Ulcerative Colitis Patients With <i>Clostridium difficile</i> are at Increased Risk of Death, Colectomy, and Postoperative Complications: A Population-Based Inception Cohort Study. <i>American Journal of Gastroenterology</i> , 2016, 111, 691-704.	0.2	56
97	Risk factors for clinical <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium infection on Dutch dairy farms. <i>Preventive Veterinary Medicine</i> , 2002, 54, 157-168.	0.7	55
98	Shedding patterns of dairy calves experimentally infected with <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Veterinary Research</i> , 2014, 45, 71.	1.1	55
99	Distribution of non-aureus staphylococci species in udder quarters with low and high somatic cell count, and clinical mastitis. <i>Journal of Dairy Science</i> , 2017, 100, 5613-5627.	1.4	55
100	Impact of automatic milking systems on dairy cattle producers' reports of milking labour management, milk production and milk quality. <i>Animal</i> , 2018, 12, 2649-2656.	1.3	55
101	Retained placenta in Friesian mares: incidence, and potential risk factors with special emphasis on gestational length. <i>Theriogenology</i> , 2004, 61, 851-859.	0.9	54
102	Invited review: Academic and applied approach to evaluating longevity in dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 11008-11024.	1.4	54
103	Prevalence and Genetic Basis of Antimicrobial Resistance in Non-aureus Staphylococci Isolated from Canadian Dairy Herds. <i>Frontiers in Microbiology</i> , 2018, 9, 256.	1.5	52
104	Non-aureus Staphylococci and Bovine Udder Health: Current Understanding and Knowledge Gaps. <i>Frontiers in Veterinary Science</i> , 2021, 8, 658031.	0.9	52
105	Point source exposure of cattle to <i>Neospora caninum</i> consistent with periods of common housing and feeding and related to the introduction of a dog. <i>Veterinary Parasitology</i> , 2002, 105, 89-98.	0.7	51
106	Management Practices and Heifer Characteristics Associated with Early Lactation Somatic Cell Count of Belgian Dairy Heifers. <i>Journal of Dairy Science</i> , 2004, 87, 937-947.	1.4	50
107	Association Between Somatic Cell Count in Early Lactation and Culling of Dairy Heifers Using Cox Frailty Models. <i>Journal of Dairy Science</i> , 2005, 88, 560-568.	1.4	50
108	Factors Influencing the Isolation of <i>Mycobacterium Avium</i> Subsp. <i>Paratuberculosis</i> from Bovine Fecal Samples. <i>Journal of Veterinary Diagnostic Investigation</i> , 1999, 11, 345-351.	0.5	49

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109	Cow-Level Prevalence of Paratuberculosis in Culled Dairy Cows in Atlantic Canada and Maine. <i>Journal of Dairy Science</i> , 2004, 87, 3770-3777.	1.4	49
110	Feeding behavior as an early predictor of bovine respiratory disease in North American feedlot systems ¹ . <i>Journal of Animal Science</i> , 2015, 93, 377-385.	0.2	49
111	Comprehensive Phylogenetic Analysis of Bovine Non-aureus Staphylococci Species Based on Whole-Genome Sequencing. <i>Frontiers in Microbiology</i> , 2016, 7, 1990.	1.5	49
112	Metabolomic Profiling in Cattle Experimentally Infected with <i>Mycobacterium avium</i> subsp. paratuberculosis. <i>PLoS ONE</i> , 2014, 9, e111872.	1.1	49
113	Certification of herds as free of <i>Mycobacterium paratuberculosis</i> infection: actual pooled faecal results versus certification model predictions. <i>Preventive Veterinary Medicine</i> , 2004, 65, 189-204.	0.7	48
114	Economic losses due to Johne's disease (paratuberculosis) in dairy cattle. <i>Journal of Dairy Science</i> , 2021, 104, 3123-3143.	1.4	48
115	Impact of Early Lactation Somatic Cell Count in Heifers on Somatic Cell Counts Over the First Lactation. <i>Journal of Dairy Science</i> , 2004, 87, 3672-3682.	1.4	47
116	Comparison of serological methods for the diagnosis of <i>Neospora caninum</i> infection in cattle. <i>Veterinary Parasitology</i> , 2007, 143, 166-173.	0.7	47
117	Impact of intramammary infections in dairy heifers on future udder health, milk production, and culling. <i>Veterinary Microbiology</i> , 2009, 134, 113-120.	0.8	47
118	Zoonotic potential of <i>Giardia duodenalis</i> and <i>Cryptosporidium</i> spp. and prevalence of intestinal parasites in young dogs from different populations on Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , 2013, 196, 509-514.	0.7	47
119	High herd-level prevalence of <i>Mycobacterium avium</i> subspecies paratuberculosis in Western Canadian dairy farms, based on environmental sampling. <i>Journal of Dairy Science</i> , 2014, 97, 6250-6259.	1.4	47
120	Missing pieces of the puzzle to effectively control digital dermatitis. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 186-198.	1.3	47
121	Evaluation of a single serological screening of dairy herds for <i>Neospora caninum</i> antibodies. <i>Veterinary Parasitology</i> , 2003, 110, 161-169.	0.7	46
122	Foodborne Illness Associated with <i>Cryptosporidium</i> and <i>Giardia</i> from Livestock. <i>Journal of Food Protection</i> , 2011, 74, 1944-1955.	0.8	46
123	Validation of the M-stage scoring system for digital dermatitis on dairy cows in the milking parlor. <i>Journal of Dairy Science</i> , 2017, 100, 1592-1603.	1.4	46
124	Bacteriocins of Non-aureus Staphylococci Isolated from Bovine Milk. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	46
125	Composition of the teat canal and intramammary microbiota of dairy cows subjected to antimicrobial dry cow therapy and internal teat sealant. <i>Journal of Dairy Science</i> , 2018, 101, 10191-10205.	1.4	46
126	Evaluation of a risk-screening questionnaire to detect equine lung inflammation: Results of a large field study. <i>Equine Veterinary Journal</i> , 2011, 43, 145-152.	0.9	45

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127	Effect of transitioning to automatic milking systems on producers' perceptions of farm management and cow health in the Canadian dairy industry. <i>Journal of Dairy Science</i> , 2017, 100, 2404-2414.	1.4	45
128	The Features of Fecal and Ileal Mucosa-Associated Microbiota in Dairy Calves during Early Infection with <i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 426.	1.5	44
129	Comparison of treatment records and inventory of empty drug containers to quantify antimicrobial usage in dairy herds. <i>Journal of Dairy Science</i> , 2017, 100, 9736-9745.	1.4	44
130	Host defense cathelicidins in cattle: types, production, bioactive functions and potential therapeutic and diagnostic applications. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 813-821.	1.1	44
131	Factors associated with dairy farmers' satisfaction and preparedness to adopt recommendations after veterinary herd health visits. <i>Journal of Dairy Science</i> , 2019, 102, 4280-4293.	1.4	44
132	Evaluation of Two Absorbed Enzyme-Linked Immunosorbent Assays and a Complement Fixation Test as Replacements for Fecal Culture in the Detection of Cows Shedding <i>Mycobacterium Avium</i> Subspecies <i>Paratuberculosis</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , 2002, 14, 219-224.	0.5	43
133	Test characteristics from latent-class models of the California Mastitis Test. <i>Preventive Veterinary Medicine</i> , 2006, 77, 96-108.	0.7	43
134	Exposure to Ingested Airborne Pollutant Particulate Matter Increases Mucosal Exposure to Bacteria and Induces Early Onset of Inflammation in Neonatal IL-10 Deficient Mice. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 1129-1138.	0.9	43
135	Milk production and reproduction during a subclinical bovine herpesvirus 1 infection on a dairy farm. <i>Preventive Veterinary Medicine</i> , 1998, 34, 97-106.	0.7	42
136	<i>Cryptosporidium</i> and <i>Cryptosporidium</i> on Dairy Farms and the Role these Farms May Play in Contaminating Water Sources in Pennsylvania and Canada. <i>Journal of Veterinary Internal Medicine</i> , 2012, 26, 668-673.	0.6	41
137	Factors associated with participation of Alberta dairy farmers in a voluntary, management-based Johne's disease control program. <i>Journal of Dairy Science</i> , 2015, 98, 7831-7845.	1.4	41
138	Intrapartum Corticosteroid use Significantly Increases the Risk of Gestational Diabetes in Women with Inflammatory Bowel Disease. <i>Journal of Crohn's and Colitis</i> , 2015, 9, 223-230.	0.6	41
139	Seroprevalence of pestivirus in four species of alpine wild ungulates in the High Valley of Susa, Italy. <i>Veterinary Microbiology</i> , 2005, 108, 297-303.	0.8	40
140	Development and validation of a bilingual questionnaire for measuring udder health related management practices on dairy farms. <i>Preventive Veterinary Medicine</i> , 2010, 95, 74-85.	0.7	40
141	Susceptibility to and diagnosis of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in dairy calves: A review. <i>Preventive Veterinary Medicine</i> , 2015, 121, 189-198.	0.7	40
142	Association of Levels of Specialized Care With Risk of Premature Mortality in Patients With Epilepsy. <i>JAMA Neurology</i> , 2019, 76, 1352.	4.5	40
143	Molecular epidemiology and distribution of antimicrobial resistance genes of <i>Staphylococcus</i> species isolated from Chinese dairy cows with clinical mastitis. <i>Journal of Dairy Science</i> , 2019, 102, 1571-1583.	1.4	40
144	Effect of preculture freezing and incubation on bacteriological isolation from subclinical mastitis samples. <i>Veterinary Microbiology</i> , 2002, 85, 241-249.	0.8	39

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145	Gene-expression profiling of calves 6 and 9 months after inoculation with <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Veterinary Research</i> , 2014, 45, 96.	1.1	39
146	Occurrence of <i>Giardia</i> and <i>Cryptosporidium</i> in pigs on Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , 2012, 184, 18-24.	0.7	38
147	Virulence gene profiles: alpha-hemolysin and clonal diversity in <i>Staphylococcus aureus</i> isolates from bovine clinical mastitis in China. <i>BMC Veterinary Research</i> , 2018, 14, 63.	0.7	38
148	Association of bovine major histocompatibility complex (BoLA) gene polymorphism with colostrum and milk microbiota of dairy cows during the first week of lactation. <i>Microbiome</i> , 2018, 6, 203.	4.9	38
149	Serum calcium and magnesium concentrations and the use of a calcium-magnesium-borogluconate solution in the treatment of Friesian mares with retained placenta. <i>Theriogenology</i> , 2002, 57, 941-947.	0.9	37
150	Dairy farmers' perceptions toward the implementation of on-farm Johne's disease prevention and control strategies. <i>Journal of Dairy Science</i> , 2016, 99, 9114-9125.	1.4	37
151	Effectiveness of a standardized footbath protocol for prevention of digital dermatitis. <i>Journal of Dairy Science</i> , 2017, 100, 1295-1307.	1.4	37
152	Canadian National Dairy Study: Herd-level milk quality. <i>Journal of Dairy Science</i> , 2018, 101, 2679-2691.	1.4	37
153	<i>Giardia duodenalis</i> and <i>Cryptosporidium</i> spp. in a veterinary college bovine teaching herd. <i>Veterinary Parasitology</i> , 2006, 142, 231-237.	0.7	36
154	Calf management practices and associations with herd-level morbidity and mortality on beef cow-calf operations. <i>Animal</i> , 2016, 10, 468-477.	1.3	36
155	Antimicrobial resistance in non-aureus staphylococci isolated from milk is associated with systemic but not intramammary administration of antimicrobials in dairy cattle. <i>Journal of Dairy Science</i> , 2018, 101, 7425-7436.	1.4	36
156	Somatic Cell Count During and Between Milkings. <i>Journal of Dairy Science</i> , 2007, 90, 3733-3741.	1.4	35
157	Herd-level relationship between antimicrobial use and presence or absence of antimicrobial resistance in gram-negative bovine mastitis pathogens on Canadian dairy farms. <i>Journal of Dairy Science</i> , 2013, 96, 4965-4976.	1.4	35
158	Economic evaluation of participation in a voluntary Johne's disease prevention and control program from a farmer's perspective—The Alberta Johne's Disease Initiative. <i>Journal of Dairy Science</i> , 2014, 97, 2822-2834.	1.4	35
159	Genomic Analysis of Bovine <i>Staphylococcus aureus</i> Isolates from Milk To Elucidate Diversity and Determine the Distributions of Antimicrobial and Virulence Genes and Their Association with Mastitis. <i>MSystems</i> , 2020, 5, .	1.7	35
160	Evaluation of Three Newly Developed Enzyme-Linked Immunosorbent Assays and Two Agglutination Tests for Detecting <i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Dublin Infections in Dairy Cattle. <i>Journal of Clinical Microbiology</i> , 2000, 38, 4402-4407.	1.8	35
161	The effect of discontinuation of postmilking teat disinfection in low somatic cell count herds. II. Dynamics of intramammary infections. <i>Veterinary Quarterly</i> , 1997, 19, 47-53.	3.0	34
162	Genetic parameters of pathogen-specific incidence of clinical mastitis in dairy cows. <i>Animal Science</i> , 2002, 74, 233-242.	1.3	34

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163	Epidemiology of coagulase-negative staphylococci intramammary infection in dairy cattle and the effect of bacteriological culture misclassification. <i>Journal of Dairy Science</i> , 2012, 95, 3110-3124.	1.4	34
164	Differential Co-Expression Network Analysis Reveals Key Hub-High Traffic Genes as Potential Therapeutic Targets for COVID-19 Pandemic. <i>Frontiers in Immunology</i> , 2021, 12, 789317.	2.2	34
165	Opposing Effects of Smoking in Ulcerative Colitis and Crohn's Disease May Be Explained by Differential Effects on Dendritic Cells. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 800-810.	0.9	33
166	<i>Klebsiella pneumoniae</i> isolated from bovine mastitis is cytopathogenic for bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2020, 103, 3493-3504.	1.4	33
167	Fertility, production and culling following cesarean section in dairy cattle. <i>Theriogenology</i> , 1992, 38, 589-599.	0.9	32
168	Occurrence of <i>Cryptosporidium</i> and <i>Giardia</i> on beef farms and water sources within the vicinity of the farms on Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , 2012, 184, 1-9.	0.7	32
169	Perturbation of the Human Microbiome as a Contributor to Inflammatory Bowel Disease. <i>Pathogens</i> , 2014, 3, 510-527.	1.2	32
170	Comprehensive Virulence Gene Profiling of Bovine Non- <i>Staphylococcus aureus</i> Staphylococci Based on Whole-Genome Sequencing Data. <i>MSystems</i> , 2019, 4, .	1.7	32
171	Comparison of different approaches to antibiotic restriction in food-producing animals: stratified results from a systematic review and meta-analysis. <i>BMJ Global Health</i> , 2019, 4, e001710.	2.0	32
172	Bacterial concentrations in bedding and their association with dairy cow hygiene and milk quality. <i>Animal</i> , 2020, 14, 1052-1066.	1.3	32
173	Composition and co-occurrence patterns of the microbiota of different niches of the bovine mammary gland: potential associations with mastitis susceptibility, udder inflammation, and teat-end hyperkeratosis. <i>Animal Microbiome</i> , 2020, 2, 11.	1.5	32
174	Molecular Epidemiology of <i>Cryptosporidium</i> and <i>Giardia</i> in Humans on Prince Edward Island, Canada: Evidence of Zoonotic Transmission From Cattle. <i>Zoonoses and Public Health</i> , 2012, 59, 424-433.	0.9	31
175	A questionnaire-based survey on the uptake and use of cattle vaccines in the UK. <i>Veterinary Record Open</i> , 2013, 1, e000042.	0.3	31
176	Gene expression profiling and putative biomarkers of calves 3 months after infection with <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 107-117.	0.5	31
177	Antibody response early after experimental infection with <i>Mycobacterium avium</i> subspecies paratuberculosis in dairy calves. <i>Journal of Dairy Science</i> , 2014, 97, 5558-5565.	1.4	31
178	Identifying management and disease priorities of Canadian dairy industry stakeholders. <i>Journal of Dairy Science</i> , 2016, 99, 10194-10203.	1.4	31
179	Producer estimates of prevalence and perceived importance of lameness in dairy herds with tiestalls, freestalls, and automated milking systems. <i>Journal of Dairy Science</i> , 2017, 100, 9871-9880.	1.4	31
180	Prevalence of <i>Mycobacterium avium</i> ssp. paratuberculosis infections in Canadian dairy herds. <i>Journal of Dairy Science</i> , 2018, 101, 11218-11228.	1.4	31

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181	Prevalence and molecular characterization of <i>Cryptosporidium</i> spp. in dairy calves from 11 farms in Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , 2009, 160, 323-326.	0.7	30
182	Association of standing and lying behavior patterns and incidence of intramammary infection in dairy cows milked with an automatic milking system. <i>Journal of Dairy Science</i> , 2011, 94, 3845-3855.	1.4	30
183	Subclinical mastitis and associated risk factors on dairy farms in New South Wales. <i>Australian Veterinary Journal</i> , 2011, 89, 41-46.	0.5	30
184	Associations of herd- and cow-level factors, cow lying behavior, and risk of elevated somatic cell count in free-stall housed lactating dairy cows. <i>Preventive Veterinary Medicine</i> , 2013, 111, 245-255.	0.7	30
185	Calves shedding <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> are common on infected dairy farms. <i>Veterinary Research</i> , 2015, 46, 71.	1.1	30
186	Prevalence of antimicrobial resistance genes and its association with restricted antimicrobial use in food-producing animals: a systematic review and meta-analysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 561-575.	1.3	30
187	A high rate of seroconversion for <i>Neospora caninum</i> in a dairy herd without an obvious increased incidence of abortions. <i>Veterinary Parasitology</i> , 2002, 109, 203-211.	0.7	29
188	Evaluation of milk ELISA for detection of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> in dairy herds and association with within-herd prevalence. <i>Journal of Dairy Science</i> , 2014, 97, 299-309.	1.4	29
189	Evaluation by employees of employee management on large US dairy farms. <i>Journal of Dairy Science</i> , 2018, 101, 7450-7462.	1.4	29
190	Sheep do not have a major role in bovine herpesvirus 1 transmission. <i>Veterinary Microbiology</i> , 1997, 57, 41-54.	0.8	28
191	Novel CD8+ T-Cell Subsets Demonstrating Plasticity in Patients with Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 1596-1608.	0.9	28
192	Clinical communication patterns of veterinary practitioners during dairy herd health and production management farm visits. <i>Journal of Dairy Science</i> , 2018, 101, 10337-10350.	1.4	28
193	Efficacy of using an internal teat sealer to prevent new intramammary infections in nonlactating dairy cattle. <i>Journal of the American Veterinary Medical Association</i> , 2006, 228, 1565-1573.	0.2	27
194	The effect of selenium supplementation before calving on early-lactation udder health in pastured dairy heifers. <i>Journal of Dairy Science</i> , 2010, 93, 4602-4612.	1.4	27
195	Mediation analysis to estimate direct and indirect milk losses due to clinical mastitis in dairy cattle. <i>Preventive Veterinary Medicine</i> , 2015, 118, 449-456.	0.7	27
196	A review of paratuberculosis in dairy herds – Part 1: Epidemiology. <i>Veterinary Journal</i> , 2019, 246, 59-65.	0.6	27
197	Effect of Herd Characteristics, Management Practices, and Season on Different Categories of the Herd Somatic Cell Count. <i>Journal of Dairy Science</i> , 2007, 90, 4137-4144.	1.4	26
198	Biosecurity and herd health management practices on Canadian dairy farms. <i>Journal of Dairy Science</i> , 2019, 102, 9536-9547.	1.4	26

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199	Co-Occurrence of Plasmid-Mediated Colistin Resistance (<i>mcr-1</i>) and Extended-Spectrum β -Lactamase Encoding Genes in <i>Escherichia coli</i> from Bovine Mastitic Milk in China. <i>Microbial Drug Resistance</i> , 2020, 26, 685-696.	0.9	26
200	Knowledge Gaps in the Understanding of Antimicrobial Resistance in Canada. <i>Frontiers in Public Health</i> , 2021, 9, 726484.	1.3	26
201	Comparison of Two Enzyme-Linked Immunosorbent Assays for Diagnosis of <i>Mycobacterium Avium</i> Subsp. <i>Paratuberculosis</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , 2005, 17, 463-466.	0.5	25
202	Funding a Smoking Cessation Program for Crohn's Disease: An Economic Evaluation. <i>American Journal of Gastroenterology</i> , 2015, 110, 368-377.	0.2	25
203	Crossover Subsets of CD4+ T Lymphocytes in the Intestinal Lamina Propria of Patients with Crohn's Disease and Ulcerative Colitis. <i>Digestive Diseases and Sciences</i> , 2017, 62, 2357-2368.	1.1	25
204	Total coliform and <i>Escherichia coli</i> contamination in rural well water: analysis for passive surveillance. <i>Journal of Water and Health</i> , 2017, 15, 729-740.	1.1	25
205	Fecal shedding and tissue infections demonstrate transmission of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in group-housed dairy calves. <i>Veterinary Research</i> , 2017, 48, 27.	1.1	25
206	A review of paratuberculosis in dairy herds – Part 2: On-farm control. <i>Veterinary Journal</i> , 2019, 246, 54-58.	0.6	25
207	Effect of Freezing on Somatic Cell Count of Quarter Milk Samples as Determined by a Fossomatic Electronic Cell Counter. <i>Journal of Dairy Science</i> , 1997, 80, 422-426.	1.4	24
208	Reproductive performance of Friesian mares after retained placenta and manual removal of the placenta. <i>Theriogenology</i> , 2002, 57, 923-930.	0.9	24
209	An outbreak of dictyocaulosis in lactating cows on a dairy farm. <i>Journal of the American Veterinary Medical Association</i> , 2007, 231, 1715-1718.	0.2	24
210	Molecular identification and antimicrobial susceptibility of <i>Nocardia</i> spp. isolated from bovine mastitis in Brazil. <i>Veterinary Microbiology</i> , 2013, 167, 708-712.	0.8	24
211	Genome-Wide Diversity and Phylogeography of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in Canadian Dairy Cattle. <i>PLoS ONE</i> , 2016, 11, e0149017.	1.1	24
212	Heifer and quarter characteristics associated with periparturient blood and milk neutrophil apoptosis in healthy heifers and in heifers with subclinical mastitis. <i>Journal of Dairy Science</i> , 2009, 92, 4330-4339.	1.4	23
213	Udder health in Canadian dairy heifers during early lactation. <i>Journal of Dairy Science</i> , 2018, 101, 3233-3247.	1.4	23
214	Effect of footbath protocols for prevention and treatment of digital dermatitis in dairy cattle: A systematic review and network meta-analysis. <i>Preventive Veterinary Medicine</i> , 2019, 164, 56-71.	0.7	23
215	Cesarean section in dairy cattle: A study of risk factors. <i>Theriogenology</i> , 1992, 37, 489-506.	0.9	22
216	Evaluation of Two Enzyme-Linked Immunosorbent Assays for Detecting <i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Dublin Antibodies in Bulk Milk. <i>Vaccine Journal</i> , 2001, 8, 1049-1055.	2.6	22

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217	Rapid identification of bovine mastitis pathogens by high-resolution melt analysis of 16S rDNA sequences. <i>Veterinary Microbiology</i> , 2012, 155, 332-340.	0.8	22
218	Dairy farms testing positive for <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> have poorer hygiene practices and are less cautious when purchasing cattle than test-negative herds. <i>Journal of Dairy Science</i> , 2016, 99, 4526-4536.	1.4	22
219	Lessons learned from the 2013 Calgary flood: Assessing risk of drinking water well contamination. <i>Applied Geography</i> , 2017, 80, 78-85.	1.7	22
220	Producer experience with transitioning to automatic milking: Cow training, challenges, and effect on quality of life. <i>Journal of Dairy Science</i> , 2018, 101, 9599-9607.	1.4	22
221	Invited review: Bovine leukemia virus—Transmission, control, and eradication. <i>Journal of Dairy Science</i> , 2021, 104, 6358-6375.	1.4	22
222	Short Communication: Comparison of Bulk Milk, Yield-Corrected, and Average Somatic Cell Counts as Parameters to Summarize the Subclinical Mastitis Situation in a Dairy Herd. <i>Journal of Dairy Science</i> , 2007, 90, 4145-4148.	1.4	21
223	Effect of prepartum dry cow antibiotic treatment in dairy heifers on udder health and milk production. <i>Journal of Dairy Science</i> , 2009, 92, 4395-4403.	1.4	21
224	Validity of administrative data for the diagnosis of primary sclerosing cholangitis: a population-based study. <i>Liver International</i> , 2011, 31, 712-720.	1.9	21
225	<i>Clostridium difficile</i> Infection Worsens the Prognosis of Ulcerative Colitis. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2014, 28, 373-380.	0.8	21
226	Pathogens at the livestock-wildlife interface in Western Alberta: does transmission route matter?. <i>Veterinary Research</i> , 2014, 45, 18.	1.1	21
227	Sampling location, herd size, and season influence <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> environmental culture results. <i>Journal of Dairy Science</i> , 2015, 98, 275-287.	1.4	21
228	Diagnostic Accuracy Assessment of Sensititre and Agar Disk Diffusion for Determining Antimicrobial Resistance Profiles of Bovine Clinical Mastitis Pathogens. <i>Journal of Clinical Microbiology</i> , 2011, 49, 1568-1577.	1.8	20
229	Dose-dependent interferon-gamma release in dairy calves experimentally infected with <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2014, 161, 205-210.	0.5	20
230	The NOD2 -Smoking Interaction in Crohn's Disease is likely Specific to the 1007 fs Mutation and may be Explained by Age at Diagnosis: A Meta-Analysis and Case-Only Study. <i>EBioMedicine</i> , 2017, 21, 188-196.	2.7	20
231	Providing probability distributions for the causal pathogen of clinical mastitis using naive Bayesian networks. <i>Journal of Dairy Science</i> , 2009, 92, 2598-2609.	1.4	19
232	Comparison of five diagnostic tests for <i>Giardia duodenalis</i> in fecal samples from young dogs. <i>Veterinary Parasitology</i> , 2017, 244, 91-96.	0.7	19
233	The effect of discontinuation of postmilking teat disinfection in low somatic cell count herds. I. Incidence of clinical mastitis. <i>Veterinary Quarterly</i> , 1997, 19, 41-47.	3.0	18
234	Prevalence of digital dermatitis in young stock in Alberta, Canada, using pen walks. <i>Journal of Dairy Science</i> , 2017, 100, 9234-9244.	1.4	18

#	ARTICLE	IF	CITATIONS
235	Comparison of effects of routine topical treatments in the milking parlor on digital dermatitis lesions. <i>Journal of Dairy Science</i> , 2018, 101, 5255-5266.	1.4	18
236	Disability-adjusted life years (DALYs) due to the direct health impact of COVID-19 in India, 2020. <i>Scientific Reports</i> , 2022, 12, 2454.	1.6	18
237	Exploratory study on the economic value of a closed farming system on Dutch dairy farms. <i>Veterinary Record</i> , 1998, 142, 240-242.	0.2	17
238	Effect of coagulase-negative staphylococci on somatic cell count in Dutch dairy herds. <i>Journal of Dairy Research</i> , 2010, 77, 318-324.	0.7	17
239	Prevalence of Potential Virulence Genes in <i>Klebsiella</i> spp. Isolated from Cows with Clinical Mastitis on Large Chinese Dairy Farms. <i>Foodborne Pathogens and Disease</i> , 2019, 16, 856-863.	0.8	17
240	Synthetic cathelicidin LL-37 reduces <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> internalization and pro-inflammatory cytokines in macrophages. <i>Cell and Tissue Research</i> , 2020, 379, 207-217.	1.5	17
241	Critically important antimicrobials are generally not needed to treat nonsevere clinical mastitis in lactating dairy cows: Results from a network meta-analysis. <i>Journal of Dairy Science</i> , 2020, 103, 10585-10603.	1.4	17
242	Selenomethionine Suppressed TLR4/NF- κ B Pathway by Activating Selenoprotein S to Alleviate ESBL <i>Escherichia coli</i> -Induced Inflammation in Bovine Mammary Epithelial Cells and Macrophages. <i>Frontiers in Microbiology</i> , 2020, 11, 1461.	1.5	17
243	Genetic associations for pathogen-specific clinical mastitis and patterns of peaks in somatic cell count. <i>Animal Science</i> , 2003, 77, 187-195.	1.3	16
244	Associations between somatic cell count patterns and the incidence of clinical mastitis. <i>Preventive Veterinary Medicine</i> , 2005, 67, 55-68.	0.7	16
245	Factors affecting management changes on farms participating in a Johne's disease control program. <i>Journal of Dairy Science</i> , 2015, 98, 7784-7796.	1.4	16
246	Short communication: Evaluation of 5 different ELISA for the detection of bovine leukemia virus antibodies. <i>Journal of Dairy Science</i> , 2018, 101, 2433-2437.	1.4	16
247	<i>Prototheca zopfii</i> genotype II induces mitochondrial apoptosis in models of bovine mastitis. <i>Scientific Reports</i> , 2020, 10, 698.	1.6	16
248	Global prevalence and economics of infection with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in ruminants.. , 2010, , 10-21.		16
249	Understanding Farmers' Behavior and Their Decision-Making Process in the Context of Cattle Diseases: A Review of Theories and Approaches. <i>Frontiers in Veterinary Science</i> , 2021, 8, 687699.	0.9	16
250	Cytokines and Chemokines in Pediatric Appendicitis: A Multiplex Analysis of Inflammatory Protein Mediators. <i>Mediators of Inflammation</i> , 2019, 2019, 1-13.	1.4	15
251	Canadian dairy farmers' perception of the efficacy of biosecurity practices. <i>Journal of Dairy Science</i> , 2019, 102, 10657-10669.	1.4	15
252	Real-world clinical and virological outcomes in a retrospective multiethnic cohort study of 341 untreated and tenofovir disoproxil fumarate-treated chronic hepatitis B pregnant patients in North America. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 52, 1707-1716.	1.9	15

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253	Evaluation of four serological techniques to determine the seroprevalence of <i>Neospora caninum</i> in foxes (<i>Vulpes vulpes</i>) and coyotes (<i>Canis latrans</i>) on Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , 2007, 145, 51-58.	0.7	14
254	Efficacy of vaccination in preventing giardiasis in calves. <i>Veterinary Parasitology</i> , 2007, 146, 182-188.	0.7	14
255	High-resolution melt analysis for species identification of coagulase-negative staphylococci derived from bovine milk. <i>Diagnostic Microbiology and Infectious Disease</i> , 2013, 75, 227-234.	0.8	14
256	Perspectives of Western Canadian dairy farmers on providing outdoor access for dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 10158-10170.	1.4	14
257	Association between lameness risk assessment and lameness and foot lesion prevalence on dairy farms in Alberta, Canada. <i>Journal of Dairy Science</i> , 2020, 103, 11750-11761.	1.4	14
258	Agreement between three ELISAs for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in dairy cattle. <i>Veterinary Microbiology</i> , 2006, 114, 285-291.	0.8	13
259	Herd level approach to high bulk milk somatic cell count problems in dairy cattle. <i>Veterinary Quarterly</i> , 2013, 33, 82-93.	3.0	13
260	Fecal Shedding of <i>Toxocara canis</i> and Other Parasites in Foxes and Coyotes on Prince Edward Island, Canada. <i>Journal of Wildlife Diseases</i> , 2013, 49, 394-397.	0.3	13
261	Evaluating the cost implications of a radio frequency identification feeding system for early detection of bovine respiratory disease in feedlot cattle. <i>Preventive Veterinary Medicine</i> , 2015, 118, 285-292.	0.7	13
262	A Differential Innate Immune Response in Active and Chronic Stages of Bovine Infectious Digital Dermatitis. <i>Frontiers in Microbiology</i> , 2018, 9, 1586.	1.5	13
263	Examination of unintended consequences of antibiotic use restrictions in food-producing animals: Sub-analysis of a systematic review. <i>One Health</i> , 2019, 7, 100095.	1.5	13
264	Adherent/invasive capacities of bovine-associated <i>Aerococcus viridans</i> contribute to pathogenesis of acute mastitis in a murine model. <i>Veterinary Microbiology</i> , 2019, 230, 202-211.	0.8	13
265	Public health interventions slowed but did not halt the spread of COVID-19 in India. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 2171-2187.	1.3	13
266	Associations of freestall design and cleanliness with cow lying behavior, hygiene, lameness, and risk of high somatic cell count. <i>Journal of Dairy Science</i> , 2021, 104, 2231-2242.	1.4	13
267	Integrated Network Analysis to Identify Key Modules and Potential Hub Genes Involved in Bovine Respiratory Disease: A Systems Biology Approach. <i>Frontiers in Genetics</i> , 2021, 12, 753839.	1.1	13
268	Simultaneous intramammary and intranasal inoculation of lactating cows with bovine herpesvirus 4 induce subclinical mastitis. <i>Veterinary Microbiology</i> , 2002, 86, 115-129.	0.8	12
269	Reliability of the bulk milk somatic cell count as an indication of average herd somatic cell count. <i>Journal of Dairy Research</i> , 2009, 76, 490-496.	0.7	12
270	Simplify the interpretation of alert lists for clinical mastitis in automatic milking systems. <i>Computers and Electronics in Agriculture</i> , 2010, 71, 50-56.	3.7	12

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271	Improved Short-Sequence-Repeat Genotyping of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> by Using Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometry. <i>Applied and Environmental Microbiology</i> , 2014, 80, 534-539.	1.4	12
272	Invited review: Effectiveness of precalving treatment on postcalving udder health in nulliparous dairy heifers: A systematic review and meta-analysis. <i>Journal of Dairy Science</i> , 2018, 101, 4707-4728.	1.4	12
273	Meta-analysis and adjusted estimation of COVID-19 case fatality risk in India and its association with the underlying comorbidities. <i>One Health</i> , 2021, 13, 100283.	1.5	12
274	<i>Prototheca</i> spp. induce an inflammatory response via mtROS-mediated activation of NF- κ B and NLRP3 inflammasome pathways in bovine mammary epithelial cell cultures. <i>Veterinary Research</i> , 2021, 52, 144.	1.1	12
275	Bovine respiratory disease in pre-weaned dairy calves: Are current preventative strategies good enough?. <i>Veterinary Journal</i> , 2017, 224, 16-17.	0.6	11
276	Genetic diversity and molecular epidemiology of outbreaks of <i>Klebsiella pneumoniae</i> mastitis on two large Chinese dairy farms. <i>Journal of Dairy Science</i> , 2021, 104, 762-775.	1.4	11
277	Dietary patterns, food groups and nutrients in Crohn’s disease: associations with gut and systemic inflammation. <i>Scientific Reports</i> , 2021, 11, 1674.	1.6	11
278	Multi-Omics Integration and Network Analysis Reveal Potential Hub Genes and Genetic Mechanisms Regulating Bovine Mastitis. <i>Current Issues in Molecular Biology</i> , 2022, 44, 309-328.	1.0	11
279	Canadian Dairy Network for Antimicrobial Stewardship and Resistance (CaDNetASR): An On-Farm Surveillance System. <i>Frontiers in Veterinary Science</i> , 2021, 8, 799622.	0.9	11
280	The economics of caesarian section in dairy cattle. <i>Preventive Veterinary Medicine</i> , 1994, 19, 27-37.	0.7	10
281	Milk selenium concentration and its association with udder health in Atlantic Canadian dairy herds. <i>Journal of Dairy Science</i> , 2010, 93, 4700-4709.	1.4	10
282	Occurrence of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> and <i>Neospora caninum</i> in Alberta cow-calf operations. <i>Preventive Veterinary Medicine</i> , 2014, 117, 95-102.	0.7	10
283	Development of a single-dose recombinant CAMP factor entrapping poly(lactide-co-glycolide) microspheres-based vaccine against <i>Streptococcus agalactiae</i> . <i>Vaccine</i> , 2017, 35, 1246-1253.	1.7	10
284	DISCONTTOOLS supplement: Current research gaps for advancing control of infectious diseases in production animals. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 5-8.	1.3	10
285	Canadian National Dairy Study: Describing Canadian dairy producer practices and perceptions surrounding cull cow management. <i>Journal of Dairy Science</i> , 2020, 103, 3414-3421.	1.4	10
286	Effects of employer management on employee recruitment, satisfaction, engagement, and retention on large US dairy farms. <i>Journal of Dairy Science</i> , 2020, 103, 8482-8493.	1.4	10
287	<i>Staphylococcus debuckii</i> sp. nov., a coagulase-negative species from bovine milk. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2239-2249.	0.8	10
288	Effect of an automated dipping and backflushing system on somatic cell counts. <i>Journal of Dairy Science</i> , 2012, 95, 4931-4938.	1.4	9

#	ARTICLE	IF	CITATIONS
289	Spatial-temporal cluster analysis of fatal <i>Clostridium chauvoei</i> cases among cattle in Styria, Austria between 1986 and 2013. <i>Preventive Veterinary Medicine</i> , 2017, 138, 134-138.	0.7	9
290	Effects of changing freestall area on lameness, lying time, and leg injuries on dairy farms in Alberta, Canada. <i>Journal of Dairy Science</i> , 2017, 100, 6516-6526.	1.4	9
291	Characteristics of <i>Escherichia coli</i> Isolated from Bovine Mastitis Exposed to Subminimum Inhibitory Concentrations of Cefalotin or Ceftazidime. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	9
292	Genetic analysis of subclinical mastitis in early lactation of heifers using both linear and threshold models. <i>Journal of Dairy Science</i> , 2018, 101, 11120-11131.	1.4	9
293	Prevalence, fecal egg counts, and species identification of gastrointestinal nematodes in replacement dairy heifers in Canada. <i>Journal of Dairy Science</i> , 2019, 102, 8251-8263.	1.4	9
294	Oxytetracycline reduces inflammation and treponeme burden whereas vitamin D3 promotes β -defensin expression in bovine infectious digital dermatitis. <i>Cell and Tissue Research</i> , 2020, 379, 337-348.	1.5	9
295	Short communication: Describing mortality and euthanasia practices on Canadian dairy farms. <i>Journal of Dairy Science</i> , 2020, 103, 3599-3605.	1.4	9
296	Murine and Human Cathelicidins Contribute Differently to Hallmarks of Mastitis Induced by Pathogenic <i>Prototheca bovis</i> Algae. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 31.	1.8	9
297	Omics Multi-Layers Networks Provide Novel Mechanistic and Functional Insights Into Fat Storage and Lipid Metabolism in Poultry. <i>Frontiers in Genetics</i> , 2021, 12, 646297.	1.1	9
298	Colorectal Cancer Surveillance in Patients with Inflammatory Bowel Disease and Primary Sclerosing Cholangitis. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 2046-2055.	0.9	8
299	Action cameras and the Roter interaction analysis system to assess veterinarian-producer interactions in a dairy setting. <i>Veterinary Record</i> , 2018, 182, 227-227.	0.2	8
300	Quantifying fecal shedding of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> from calves after experimental infection and exposure. <i>Journal of Dairy Science</i> , 2018, 101, 1478-1487.	1.4	8
301	Environmental sample characteristics and herd size associated with decreased herd-level prevalence of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> . <i>Journal of Dairy Science</i> , 2018, 101, 8092-8099.	1.4	8
302	Mastitis detection with recurrent neural networks in farms using automated milking systems. <i>Computers and Electronics in Agriculture</i> , 2022, 192, 106618.	3.7	8
303	Nrf2 and NF- κ B/NLRP3 inflammasome pathways are involved in <i>Prototheca bovis</i> infections of mouse mammary gland tissue and mammary epithelial cells. <i>Free Radical Biology and Medicine</i> , 2022, 184, 148-157.	1.3	8
304	Short-Term Effect of Transition from Conventional to Automated Milking on Teat Skin and Teat End Condition. <i>Journal of Dairy Science</i> , 2003, 86, 1646-1652.	1.4	7
305	Comparison of flow cytometry and immunofluorescence microscopy for the detection of <i>Giardia duodenalis</i> in bovine fecal samples. <i>Journal of Veterinary Diagnostic Investigation</i> , 2008, 20, 178-185.	0.5	7
306	Heifer and CNS mastitis. <i>Veterinary Microbiology</i> , 2009, 134, 1-2.	0.8	7

#	ARTICLE	IF	CITATIONS
307	Barium selenate supplementation and its effect on intramammary infection in pasture-based dairy cows. <i>Journal of Dairy Science</i> , 2010, 93, 1468-1477.	1.4	7
308	Short communication: Effect of automatic postmilking teat disinfection and cluster flushing on the milking work routine. <i>Journal of Dairy Science</i> , 2012, 95, 2567-2570.	1.4	7
309	Clinical presentation, prevalence, and risk factors associated with <i>Mycoplasma bovis</i> -associated disease in farmed bison (<i>Bison bison</i>) herds in western Canada. <i>Journal of the American Veterinary Medical Association</i> , 2017, 250, 1167-1175.	0.2	7
310	<i>Escherichia coli</i> contamination of rural well water in Alberta, Canada is associated with soil properties, density of livestock and precipitation. <i>Canadian Water Resources Journal</i> , 2019, 44, 248-262.	0.5	7
311	Tenofovir disoproxil fumarate therapy to prevent hepatitis B virus vertical transmission—A review of maternal and infant outcomes. <i>Liver International</i> , 2022, 42, 1712-1730.	1.9	7
312	Risk factors for <i>Mycoplasma bovis</i> -associated disease in farmed bison (<i>Bison bison</i>) herds in western Canada: A case-control study. <i>Preventive Veterinary Medicine</i> , 2016, 129, 67-73.	0.7	6
313	Comparison of the efficacy of a commercial footbath product with copper sulfate for the control of digital dermatitis. <i>Journal of Dairy Science</i> , 2017, 100, 5628-5641.	1.4	6
314	A serologic survey of <i>Mycoplasma</i> spp. in farmed bison (<i>Bison bison</i>) herds in western Canada. <i>Journal of Veterinary Diagnostic Investigation</i> , 2017, 29, 513-521.	0.5	6
315	Quantifying transmission of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> among group-housed dairy calves. <i>Veterinary Research</i> , 2019, 50, 60.	1.1	6
316	Genetic analysis of pathogen-specific intramammary infections in dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 1982-1992.	1.4	6
317	Herd health and production management visits on Canadian dairy cattle farms: Structure, goals, and topics discussed. <i>Journal of Dairy Science</i> , 2021, 104, 7996-8008.	1.4	6
318	Relationship between postmilking standing duration and risk of intramammary infection in freestall-housed dairy cows milked 3 times per day. <i>Journal of Dairy Science</i> , 2014, 97, 3456-3471.	1.4	5
319	Short communication: Evaluation of sampling socks for detection of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> on dairy farms. <i>Journal of Dairy Science</i> , 2016, 99, 2950-2955.	1.4	5
320	Short communication: Herd-level prevalence of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> is not associated with participation in a voluntary Alberta Johne's disease control program. <i>Journal of Dairy Science</i> , 2016, 99, 2157-2160.	1.4	5
321	Comparison of fecal pooling strategies for detection of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> in cattle. <i>Journal of Dairy Science</i> , 2018, 101, 7463-7470.	1.4	5
322	Effects of freezing on ability to detect <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> from bovine tissues following culture. <i>Journal of Veterinary Diagnostic Investigation</i> , 2018, 30, 743-746.	0.5	5
323	Predicting sensitivity of repeated environmental sampling for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in dairy herds using a Bayesian latent class model. <i>Veterinary Journal</i> , 2021, 275, 105728.	0.6	5
324	Western Canadian dairy farmers' perspectives on the provision of outdoor access for dairy cows and on the perceptions of other stakeholders. <i>Journal of Dairy Science</i> , 2022, , .	1.4	5

#	ARTICLE	IF	CITATIONS
325	Population Structure of Harvested Red Foxes (<i>Vulpes vulpes</i>) and Coyotes (<i>Canis</i>)	1.0	4
326	Relative frequency of 4 major strain types of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> in Canadian dairy herds using a novel single nucleotide polymorphism-based polymerase chain reaction. <i>Journal of Dairy Science</i> , 2016, 99, 8297-8303.	1.4	4
327	Short communication: Molecular characteristics, antimicrobial susceptibility, and pathogenicity of clinical <i>Nocardia cyriacigeorgica</i> isolates from an outbreak of bovine mastitis. <i>Journal of Dairy Science</i> , 2017, 100, 8414-8421.	1.4	4
328	Communication preferences and social media engagement among Canadian dairy producers. <i>Journal of Dairy Science</i> , 2020, 103, 12128-12139.	1.4	4
329	<i>Treponema</i> spp. Isolated from Bovine Digital Dermatitis Display Different Pathogenicity in a Murine Abscess Model. <i>Microorganisms</i> , 2020, 8, 1507.	1.6	4
330	Cross-sectional study of antimicrobial use and treatment decision for preweaning Canadian dairy calves. <i>JDS Communications</i> , 2022, 3, 72-77.	0.5	4
331	Effect of dry-off management on milking behavior, milk yield, and somatic cell count of dairy cows milked in automated milking systems. <i>Journal of Dairy Science</i> , 2022, 105, 3544-3558.	1.4	4
332	Effects of different culture media on growth of <i>Treponema</i> spp. isolated from digital dermatitis. <i>Anaerobe</i> , 2021, 69, 102345.	1.0	3
333	Prediction of the herd somatic cell count of the following month using a linear mixed effect model. <i>Journal of Dairy Science</i> , 2010, 93, 234-241.	1.4	2
334	Short communication: Influence of sampling interval on the accuracy of predicting bulk milk somatic cell count. <i>Journal of Dairy Science</i> , 2011, 94, 804-807.	1.4	2
335	Estimation of the value of Johne's disease (paratuberculosis) control to Canadian dairy producers. <i>Preventive Veterinary Medicine</i> , 2021, 189, 105297.	0.7	2
336	Effectiveness and Economic Viability of Johne's Disease (Paratuberculosis) Control Practices in Dairy Herds. <i>Frontiers in Veterinary Science</i> , 2020, 7, 614727.	0.9	2
337	Prevalence, Genetic Diversity and Antimicrobial Resistance of <i>Proteus mirabilis</i> Isolated from Dogs Hospitalized in Beijing. <i>Pakistan Veterinary Journal</i> , 2019, , .	0.5	2
338	In vitro immune responses of bovine mammary epithelial cells induced by <i>Escherichia coli</i> , with multidrug resistant extended-spectrum β -lactamase, isolated from mastitic milk. <i>Microbial Pathogenesis</i> , 2020, 149, 104494.	1.3	1
339	Cathelicidins Mitigate <i>Staphylococcus aureus</i> Mastitis and Reduce Bacterial Invasion in Murine Mammary Epithelium. <i>Infection and Immunity</i> , 2020, 88, .	1.0	1
340	Crohn's disease in humans and Johne's disease in cattle - linked diseases?. , 2011, , 197-213.		1
341	Age at Diagnosis of Crohn's Disease May Explain NOD2-Smoking Interactions. <i>American Journal of Gastroenterology</i> , 2015, 110, S837.	0.2	1
342	ESBL-Producing <i>Escherichia coli</i> from Bovine Mastitis Induced Apoptosis of Bovine Mammary Epithelial Cells Via Alteration of ROS/MMP/bax/bcl-2 Signaling Pathway. <i>Pakistan Veterinary Journal</i> , 2020, , .	0.5	1

#	ARTICLE	IF	CITATIONS
343	The in-Vitro Effect of Cigarette Smoke Extract on Monocyte-Derived Dendritic Cell Phenotypes is Different in Crohn's Disease Compared With Ulcerative Colitis Patients. <i>Gastroenterology</i> , 2011, 140, S-495.	0.6	0
344	Tu1710 Up-Regulation of IL-10 and FOXP3 Regulatory T Cells At the Early Subclinical Stage of Experimental Paratuberculosis Infection in Calves. <i>Gastroenterology</i> , 2013, 144, S-827-S-828.	0.6	0
345	1074 The Concordance Between Disease Activity and Prevalence of Th1 Subsets in Patients With Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2016, 150, S212-S213.	0.6	0
346	<i>Clostridium difficile</i> Infection in Ulcerative Colitis: Increased Risk of Colectomy and Postoperative Infectious Complications. <i>American Journal of Gastroenterology</i> , 2011, 106, S481-S482.	0.2	0
347	Colorectal Neoplasia Surveillance in Patients with Inflammatory Bowel Disease and Primary Sclerosing Cholangitis: An Economic Evaluation. <i>American Journal of Gastroenterology</i> , 2013, 108, S637.	0.2	0
348	A Cost-Utility Analysis of Smoking Cessation Programs for Patients with Crohn's Disease. <i>American Journal of Gastroenterology</i> , 2013, 108, S525.	0.2	0
349	C-Reactive Protein and Erythrocyte Sedimentation Rate Do Not Correlate With Disease Activity in Pregnant Women With IBD. <i>American Journal of Gastroenterology</i> , 2014, 109, S516-S517.	0.2	0
350	The Interaction Between NOD2 and Smoking Is Specific to the 1007fs SNP of the NOD2 Gene in Crohn's Disease: A Systematic Review and Meta-analysis. <i>American Journal of Gastroenterology</i> , 2015, 110, S838.	0.2	0
351	167 Addition of garlic powder at low doses stimulated mineral consumption in feedlot cattle. <i>Journal of Animal Science</i> , 2020, 98, 128-128.	0.2	0
352	Crohn's disease therapeutic dietary intervention (CD-TDI): study protocol for a randomised controlled trial. <i>BMJ Open Gastroenterology</i> , 2022, 9, e000841.	1.1	0
353	Economic premiums associated with <i>Mycobacterium avium</i> subspecies paratuberculosis-negative replacement purchases in major dairy-producing regions. <i>Journal of Dairy Science</i> , 2022, . .	1.4	0