

# Herman W. Barkema

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7026959/herman-w-barkema-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

335  
papers

16,349  
citations

61  
h-index

115  
g-index

359  
ext. papers

19,463  
ext. citations

3.7  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
335	Mastitis detection with recurrent neural networks in farms using automated milking systems. <i>Computers and Electronics in Agriculture</i> , <b>2022</b> , 192, 106618	6.5	1
334	Multi-Omics Integration and Network Analysis Reveal Potential Hub Genes and Genetic Mechanisms Regulating Bovine Mastitis. <i>Current Issues in Molecular Biology</i> , <b>2022</b> , 44, 309-328	2.9	1
333	Disability-adjusted life years (DALYs) due to the direct health impact of COVID-19 in India, 2020.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2454	4.9	4
332	Antimicrobial resistance (AMR) in COVID-19 patients: a systematic review and meta-analysis (November 2019-June 2021).. <i>Antimicrobial Resistance and Infection Control</i> , <b>2022</b> , 11, 45	6.2	13
331	Nrf2 and NF- $\kappa$ 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> , <b>2022</b> ,	7.8	2
330	Canadian Dairy Network for Antimicrobial Stewardship and Resistance (CaDNetASR): An On-Farm Surveillance System.. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 799622	3.1	1
329	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> , <b>2021</b> , 8, 687699	3.1	1
328	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> , <b>2021</b> , 12, 753839	4.5	2
327	Knowledge Gaps in the Understanding of Antimicrobial Resistance in Canada. <i>Frontiers in Public Health</i> , <b>2021</b> , 9, 726484	6	3
326	Public health interventions slowed but did not halt the spread of COVID-19 in India. <i>Transboundary and Emerging Diseases</i> , <b>2021</b> , 68, 2171-2187	4.2	6
325	Economic losses due to Johne's disease (paratuberculosis) in dairy cattle. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 3123-3143	4	7
324	Estimation of the value of Johne's disease (paratuberculosis) control to Canadian dairy producers. <i>Preventive Veterinary Medicine</i> , <b>2021</b> , 189, 105297	3.1	0
323	Non- Staphylococci and Bovine Udder Health: Current Understanding and Knowledge Gaps. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 658031	3.1	10
322	Invited review: Bovine leukemia virus-Transmission, control, and eradication. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 6358-6375	4	3
321	Effects of different culture media on growth of <i>Treponema</i> spp. isolated from digital dermatitis. <i>Anaerobe</i> , <b>2021</b> , 69, 102345	2.8	0
320	Herd health and production management visits on Canadian dairy cattle farms: Structure, goals, and topics discussed. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 7996-8008	4	1
319	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> , <b>2021</b> , 76, 561-575	5.1	7

318	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> , <b>2021</b> , 104, 762-775	4	2
317	Genetic analysis of pathogen-specific intramammary infections in dairy cows. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 1982-1992	4	1
316	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> , <b>2021</b> , 104, 2231-2242	4	4
315	Dietary patterns, food groups and nutrients in Crohn's disease: associations with gut and systemic inflammation. <i>Scientific Reports</i> , <b>2021</b> , 11, 1674	4.9	2
314	Omics Multi-Layers Networks Provide Novel Mechanistic and Functional Insights Into Fat Storage and Lipid Metabolism in Poultry. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 646297	4.5	2
313	Predicting sensitivity of repeated environmental sampling for <i>Mycobacterium avium</i> subsp. paratuberculosis in dairy herds using a Bayesian latent class model. <i>Veterinary Journal</i> , <b>2021</b> , 275, 105728-5	2.5	2
312	Perspectives of Western Canadian dairy farmers on providing outdoor access for dairy cows. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 10158-10170	4	2
311	Meta-analysis and adjusted estimation of COVID-19 case fatality risk in India and its association with the underlying comorbidities. <i>One Health</i> , <b>2021</b> , 13, 100283	7.6	4
310	Differential Co-Expression Network Analysis Reveals Key Hub-High Traffic Genes as Potential Therapeutic Targets for COVID-19 Pandemic. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 789317	8.4	0
309	<i>Prototheca</i> spp. induce an inflammatory response via mtROS-mediated activation of NF- $\kappa$ B and NLRP3 inflammasome pathways in bovine mammary epithelial cell cultures. <i>Veterinary Research</i> , <b>2021</b> , 52, 144	3.8	0
308	spp. Isolated from Bovine Digital Dermatitis Display Different Pathogenicity in a Murine Abscess Model. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	1
307	Cathelicidins Mitigate <i>Staphylococcus aureus</i> Mastitis and Reduce Bacterial Invasion in Murine Mammary Epithelium. <i>Infection and Immunity</i> , <b>2020</b> , 88,	3.7	1
306	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> , <b>2020</b> , 2, 11	4.1	13
305	Short communication: Describing mortality and euthanasia practices on Canadian dairy farms. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 3599-3605	4	3
304	Murine and Human Cathelicidins Contribute Differently to Hallmarks of Mastitis Induced by Pathogenic Algae. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 31	5.9	4
303	Canadian National Dairy Study: Describing Canadian dairy producer practices and perceptions surrounding cull cow management. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 3414-3421	4	4
302	Effects of employer management on employee recruitment, satisfaction, engagement, and retention on large US dairy farms. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 8482-8493	4	2
301	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> , <b>2020</b> , 5,	7.6	9

300	Klebsiella pneumoniae isolated from bovine mastitis is cytopathogenic for bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 3493-3504	4	7
299	Prototheca zopfii genotype II induces mitochondrial apoptosis in models of bovine mastitis. <i>Scientific Reports</i> , <b>2020</b> , 10, 698	4.9	9
298	167 Addition of garlic powder at low doses stimulated mineral consumption in feedlot cattle. <i>Journal of Animal Science</i> , <b>2020</b> , 98, 128-128	0.7	
297	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> , <b>2020</b> , 52, 1707-1716	6.1	3
296	Association between lameness risk assessment and lameness and foot lesion prevalence on dairy farms in Alberta, Canada. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 11750-11761	4	5
295	Invited review: Academic and applied approach to evaluating longevity in dairy cows. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 11008-11024	4	15
294	Co-Occurrence of Plasmid-Mediated Colistin Resistance () and Extended-Spectrum -Lactamase Encoding Genes in From Bovine Mastitic Milk in China. <i>Microbial Drug Resistance</i> , <b>2020</b> , 26, 685-696	2.9	16
293	Bacterial concentrations in bedding and their association with dairy cow hygiene and milk quality. <i>Animal</i> , <b>2020</b> , 14, 1052-1066	3.1	14
292	In vitro immune responses of bovine mammary epithelial cells induced by Escherichia coli, with multidrug resistant extended-spectrum lactamase, isolated from mastitic milk. <i>Microbial Pathogenesis</i> , <b>2020</b> , 149, 104494	3.8	1
291	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> , <b>2020</b> , 103, 10585-10603	4	5
290	Selenomethionine Suppressed TLR4/NF- $\kappa$ B Pathway by Activating Selenoprotein S to Alleviate ESBL -Induced Inflammation in Bovine Mammary Epithelial Cells and Macrophages. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1461	5.7	9
289	Communication preferences and social media engagement among Canadian dairy producers. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 12128-12139	4	2
288	Oxytetracycline reduces inflammation and treponeme burden whereas vitamin D promotes Defensin expression in bovine infectious digital dermatitis. <i>Cell and Tissue Research</i> , <b>2020</b> , 379, 337-348	4.2	4
287	Synthetic cathelicidin LL-37 reduces Mycobacterium avium subsp. paratuberculosis internalization and pro-inflammatory cytokines in macrophages. <i>Cell and Tissue Research</i> , <b>2020</b> , 379, 207-217	4.2	10
286	Effectiveness and Economic Viability of Johne's Disease (Paratuberculosis) Control Practices in Dairy Herds. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 614727	3.1	1
285	Quantifying transmission of Mycobacterium avium subsp. paratuberculosis among group-housed dairy calves. <i>Veterinary Research</i> , <b>2019</b> , 50, 60	3.8	2
284	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> , <b>2019</b> , 164, 56-71	3.1	10
283	Examination of unintended consequences of antibiotic use restrictions in food-producing animals: Sub-analysis of a systematic review. <i>One Health</i> , <b>2019</b> , 7, 100095	7.6	9

282	Control of paratuberculosis: who, why and how. A review of 48 countries. <i>BMC Veterinary Research</i> , <b>2019</b> , 15, 198	2.7	103
281	Chlorogenic acid promotes the Nrf2/HO-1 anti-oxidative pathway by activating p21 to resist dexamethasone-induced apoptosis in osteoblastic cells. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 137, 1-12	7.8	48
280	Comprehensive Virulence Gene Profiling of Bovine Non- Staphylococci Based on Whole-Genome Sequencing Data. <i>MSystems</i> , <b>2019</b> , 4,	7.6	15
279	Adherent/invasive capacities of bovine-associated <i>Aerococcus viridans</i> contribute to pathogenesis of acute mastitis in a murine model. <i>Veterinary Microbiology</i> , <b>2019</b> , 230, 202-211	3.3	9
278	Factors associated with dairy farmers' satisfaction and preparedness to adopt recommendations after veterinary herd health visits. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 4280-4293	4	24
277	Cytokines and Chemokines in Pediatric Appendicitis: A Multiplex Analysis of Inflammatory Protein Mediators. <i>Mediators of Inflammation</i> , <b>2019</b> , 2019, 2359681	4.3	6
276	A review of paratuberculosis in dairy herds - Part 2: On-farm control. <i>Veterinary Journal</i> , <b>2019</b> , 246, 54-58	2.5	11
275	A review of paratuberculosis in dairy herds - Part 1: Epidemiology. <i>Veterinary Journal</i> , <b>2019</b> , 246, 59-65	2.5	12
274	Biosecurity and herd health management practices on Canadian dairy farms. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 9536-9547	4	9
273	Association of Levels of Specialized Care With Risk of Premature Mortality in Patients With Epilepsy. <i>JAMA Neurology</i> , <b>2019</b> , 76, 1352-1358	17.2	26
272	Prevalence, fecal egg counts, and species identification of gastrointestinal nematodes in replacement dairy heifers in Canada. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 8251-8263	4	6
271	<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> , <b>2019</b> , 44, 248-262	1.7	6
270	Prevalence of Potential Virulence Genes in spp. Isolated from Cows with Clinical Mastitis on Large Chinese Dairy Farms. <i>Foodborne Pathogens and Disease</i> , <b>2019</b> , 16, 856-863	3.8	10
269	<i>Staphylococcus debuckii</i> sp. nov., a coagulase-negative species from bovine milk. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2019</b> , 69, 2239-2249	2.2	4
268	Canadian dairy farmers' perception of the efficacy of biosecurity practices. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 10657-10669	4	6
267	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> , <b>2019</b> , 4, e001710	6.6	15
266	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> , <b>2019</b> , 102, 1571-1583	4.5	22
265	Antimicrobial resistance profiles of 5 common bovine mastitis pathogens in large Chinese dairy herds. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 2416-2426	4	45

264	Host defense cathelicidins in cattle: types, production, bioactive functions and potential therapeutic and diagnostic applications. <i>International Journal of Antimicrobial Agents</i> , <b>2018</b> , 51, 813-821	14.3	31
263	Impact of automatic milking systems on dairy cattle producers: Reports of milking labour management, milk production and milk quality. <i>Animal</i> , <b>2018</b> , 12, 2649-2656	3.1	22
262	Udder health in Canadian dairy heifers during early lactation. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 3233-3247	4.7	16
261	Short communication: Evaluation of 5 different ELISA for the detection of bovine leukemia virus antibodies. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 2433-2437	4	11
260	Action cameras and the Roter interaction analysis system to assess veterinarian-producer interactions in a dairy setting. <i>Veterinary Record</i> , <b>2018</b> , 182, 227	0.9	6
259	Canadian National Dairy Study: Herd-level milk quality. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 2679-2691	4	20
258	Symposium review: Novel strategies to genetically improve mastitis resistance in dairy cattle. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 2724-2736	4	62
257	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> , <b>2018</b> , 101, 7425-7436	4	18
256	Comparison of effects of routine topical treatments in the milking parlor on digital dermatitis lesions. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 5255-5266	4	11
255	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> , <b>2018</b> , 14, 63	2.7	24
254	Invited review: Incidence, risk factors, and effects of clinical mastitis recurrence in dairy cows. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 4729-4746	4	36
253	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> , <b>2018</b> , 101, 4707-4728	4	5
252	Knowledge gaps that hamper prevention and control of <i>Mycobacterium avium</i> subspecies paratuberculosis infection. <i>Transboundary and Emerging Diseases</i> , <b>2018</b> , 65 Suppl 1, 125-148	4.2	45
251	Herd-Level Mastitis-Associated Costs on Canadian Dairy Farms. <i>Frontiers in Veterinary Science</i> , <b>2018</b> , 5, 100	3.1	65
250	Producer experience with transitioning to automatic milking: Cow training, challenges, and effect on quality of life. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 9599-9607	4	10
249	Environmental sample characteristics and herd size associated with decreased herd-level prevalence of <i>Mycobacterium avium</i> ssp. paratuberculosis. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 8092-8099	4	5
248	DISCONTTOOLS supplement: Current research gaps for advancing control of infectious diseases in production animals. <i>Transboundary and Emerging Diseases</i> , <b>2018</b> , 65 Suppl 1, 5-8	4.2	3
247	Prevalence and Genetic Basis of Antimicrobial Resistance in Non- <i>Staphylococci</i> Isolated from Canadian Dairy Herds. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 256	5.7	30



246	Effects of freezing on ability to detect Mycobacterium avium subsp. paratuberculosis from bovine tissues following culture. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2018</b> , 30, 743-746	1.5	2
245	Evaluation by employees of employee management on large US dairy farms. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 7450-7462	4	18
244	Quantifying fecal shedding of Mycobacterium avium ssp. paratuberculosis from calves after experimental infection and exposure. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 1478-1487	4	5
243	Missing pieces of the puzzle to effectively control digital dermatitis. <i>Transboundary and Emerging Diseases</i> , <b>2018</b> , 65 Suppl 1, 186-198	4.2	24
242	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> , <b>2018</b> , 6, 203	16.6	19
241	A Differential Innate Immune Response in Active and Chronic Stages of Bovine Infectious Digital Dermatitis. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1586	5.7	7
240	Characteristics of Isolated from Bovine Mastitis Exposed to Subminimum Inhibitory Concentrations of Cefalotin or Ceftazidime. <i>BioMed Research International</i> , <b>2018</b> , 2018, 4301628	3	7
239	Invited review: Microbiota of the bovine udder: Contributing factors and potential implications for udder health and mastitis susceptibility. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 10605-10625	4	76
238	Prevalence of Mycobacterium avium ssp. paratuberculosis infections in Canadian dairy herds. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 11218-11228	4	17
237	Genetic analysis of subclinical mastitis in early lactation of heifers using both linear and threshold models. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 11120-11131	4	4
236	Canadian National Dairy Study: Heifer calf management. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 10565-10579	4	23
235	Clinical communication patterns of veterinary practitioners during dairy herd health and production management farm visits. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 10337-10350	4	20
234	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> , <b>2018</b> , 101, 10191-10205	4	24
233	Comparison of fecal pooling strategies for detection of Mycobacterium avium ssp. paratuberculosis in cattle. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 7463-7470	4	3
232	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> , <b>2017</b> , 100, 2404-2414	4.4	33
231	Lessons learned from the 2013 Calgary flood: Assessing risk of drinking water well contamination. <i>Applied Geography</i> , <b>2017</b> , 80, 78-85	4.4	18
230	Invited review: Determinants of farmers' adoption of management-based strategies for infectious disease prevention and control. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 3329-3347	4	125
229	Development of a single-dose recombinant CAMP factor entrapping poly(lactide-co-glycolide) microspheres-based vaccine against Streptococcus agalactiae. <i>Vaccine</i> , <b>2017</b> , 35, 1246-1253	4.1	9

228	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> , <b>2017</b> , 138, 134-138	3.1	8
227	Incidence of clinical mastitis and distribution of pathogens on large Chinese dairy farms. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 4797-4806	4	96
226	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> , <b>2017</b> , 250, 1167-1175	1	4
225	Comparison of the efficacy of a commercial footbath product with copper sulfate for the control of digital dermatitis. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 5628-5641	4	1
224	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> , <b>2017</b> , 100, 5613-5627	4	37
223	Prevalence of non-aureus staphylococci species causing intramammary infections in Canadian dairy herds. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 5592-5612	4	41
222	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> , <b>2017</b> , 62, 2357-2368	4	18
221	Effects of changing freestall area on lameness, lying time, and leg injuries on dairy farms in Alberta, Canada. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 6516-6526	4	7
220	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> , <b>2017</b> , 100, 2137-2147	4	56
219	Effectiveness of a standardized footbath protocol for prevention of digital dermatitis. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 1295-1307	4	22
218	Validation of the M-stage scoring system for digital dermatitis on dairy cows in the milking parlor. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 1592-1603	4	27
217	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> , <b>2017</b> , 100, 9871-9880	4	19
216	Comparison of treatment records and inventory of empty drug containers to quantify antimicrobial usage in dairy herds. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 9736-9745	4	21
215	Prevalence of digital dermatitis in young stock in Alberta, Canada, using pen walks. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 9234-9244	4	14
214	Total coliform and <i>Escherichia coli</i> contamination in rural well water: analysis for passive surveillance. <i>Journal of Water and Health</i> , <b>2017</b> , 15, 729-740	2.2	19
213	The NOD2-Smoking Interaction in Crohn's Disease is likely Specific to the 1007fs Mutation and may be Explained by Age at Diagnosis: A Meta-Analysis and Case-Only Study. <i>EBioMedicine</i> , <b>2017</b> , 21, 188-196	8.8	13
212	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> , <b>2017</b> , 29, 513-521	1.5	4
211	Comparison of five diagnostic tests for <i>Giardia duodenalis</i> in fecal samples from young dogs. <i>Veterinary Parasitology</i> , <b>2017</b> , 244, 91-96	2.8	14



210	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> , <b>2017</b> , 100, 8414-8421	4	3
209	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, The</i> , <b>2017</b> , 1, e316-e327	9.8	339
208	Fecal shedding and tissue infections demonstrate transmission of <i>Mycobacterium avium</i> subsp. paratuberculosis in group-housed dairy calves. <i>Veterinary Research</i> , <b>2017</b> , 48, 27	3.8	16
207	Bacteriocins of Non-aureus Staphylococci Isolated from Bovine Milk. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	29
206	Relative frequency of 4 major strain types of <i>Mycobacterium avium</i> ssp. paratuberculosis in Canadian dairy herds using a novel single nucleotide polymorphism-based polymerase chain reaction. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 8297-8303	4	4
205	Identifying management and disease priorities of Canadian dairy industry stakeholders. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 10194-10203	4	22
204	Novel CD8+ T-Cell Subsets Demonstrating Plasticity in Patients with Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 1596-608	4.5	17
203	Prevalence and distribution of foot lesions in dairy cattle in Alberta, Canada. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 6828-6841	4	84
202	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> , <b>2016</b> , 129, 67-73	3.1	5
201	Incidence rate of pathogen-specific clinical mastitis on conventional and organic Canadian dairy farms. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 1341-1350	4	52
200	Associations between lying behavior and lameness in Canadian Holstein-Friesian cows housed in freestall barns. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 2086-2101	4	57
199	Short communication: Evaluation of sampling socks for detection of <i>Mycobacterium avium</i> ssp. paratuberculosis on dairy farms. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 2950-2955	4	3
198	Dairy farms testing positive for <i>Mycobacterium avium</i> ssp. paratuberculosis have poorer hygiene practices and are less cautious when purchasing cattle than test-negative herds. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 4526-4536	4	15
197	Short communication: Herd-level prevalence of <i>Mycobacterium avium</i> ssp. paratuberculosis is not associated with participation in a voluntary Alberta Johne@ disease control program. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 2157-2160	4	2
196	Genome-Wide Diversity and Phylogeography of <i>Mycobacterium avium</i> subsp. paratuberculosis in Canadian Dairy Cattle. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149017	3.7	18
195	The Features of Fecal and Ileal Mucosa-Associated Microbiota in Dairy Calves during Early Infection with <i>Mycobacterium avium</i> Subspecies paratuberculosis. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 426	5.7	36
194	Comprehensive Phylogenetic Analysis of Bovine Non- Staphylococci Species Based on Whole-Genome Sequencing. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1990	5.7	32
193	Calf management practices and associations with herd-level morbidity and mortality on beef cow-calf operations. <i>Animal</i> , <b>2016</b> , 10, 468-77	3.1	24

192	Profiles of Lamina Propria T Helper Cell Subsets Discriminate Between Ulcerative Colitis and Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 1779-92	4.5	52
191	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> , <b>2016</b> , 111, 691-704	0.7	45
190	Dairy farmers' Perceptions toward the implementation of on-farm Johne's disease prevention and control strategies. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 9114-9125	4	28
189	Funding a smoking cessation program for Crohn's disease: an economic evaluation. <i>American Journal of Gastroenterology</i> , <b>2015</b> , 110, 368-77	0.7	21
188	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> , <b>2015</b> , 16, 161	4.5	46
187	Susceptibility to and diagnosis of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in dairy calves: A review. <i>Preventive Veterinary Medicine</i> , <b>2015</b> , 121, 189-98	3.1	32
186	Calves shedding <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> are common on infected dairy farms. <i>Veterinary Research</i> , <b>2015</b> , 46, 71	3.8	20
185	Factors affecting management changes on farms participating in a Johne's disease control program. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 7784-96	4	12
184	Prevalence of lameness and associated risk factors in Canadian Holstein-Friesian cows housed in freestall barns. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 6978-91	4	125
183	Invited review: Changes in the dairy industry affecting dairy cattle health and welfare. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 7426-45	4	254
182	Sampling location, herd size, and season influence <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> environmental culture results. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 275-87	4	15
181	Factors associated with participation of Alberta dairy farmers in a voluntary, management-based Johne's disease control program. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 7831-45	4	33
180	Technical note: Accuracy of an ear tag-attached accelerometer to monitor rumination and feeding behavior in feedlot cattle. <i>Journal of Animal Science</i> , <b>2015</b> , 93, 3164-8	0.7	45
179	Feeding behavior as an early predictor of bovine respiratory disease in North American feedlot systems. <i>Journal of Animal Science</i> , <b>2015</b> , 93, 377-85	0.7	37
178	Living with inflammatory bowel disease: A Crohn's and Colitis Canada survey. <i>Canadian Journal of Gastroenterology and Hepatology</i> , <b>2015</b> , 29, 77-84	2.8	40
177	Intrapartum corticosteroid use significantly increases the risk of gestational diabetes in women with inflammatory bowel disease. <i>Journal of Crohn's and Colitis</i> , <b>2015</b> , 9, 223-30	1.5	28
176	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> , <b>2015</b> , 118, 285-92	3.1	12
175	Mediation analysis to estimate direct and indirect milk losses due to clinical mastitis in dairy cattle. <i>Preventive Veterinary Medicine</i> , <b>2015</b> , 118, 449-56	3.1	14

174	Pathogens at the livestock-wildlife interface in Western Alberta: does transmission route matter?. <i>Veterinary Research</i> , <b>2014</b> , 45, 18	3.8	19
173	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> , <b>2014</b> , 97, 173-84	4	49
172	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> , <b>2014</b> , 80, 534-9	4.8	10
171	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> , <b>2014</b> , 97, 299-309	4	26
170	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> , <b>2014</b> , 117, 95-102	3.1	9
169	High herd-level prevalence of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> in Western Canadian dairy farms, based on environmental sampling. <i>Journal of Dairy Science</i> , <b>2014</b> , 97, 6250-9	4	41
168	Shedding patterns of dairy calves experimentally infected with <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> . <i>Veterinary Research</i> , <b>2014</b> , 45, 71	3.8	41
167	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> , <b>2014</b> , 161, 205-10	2	17
166	Antibody response early after experimental infection with <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> in dairy calves. <i>Journal of Dairy Science</i> , <b>2014</b> , 97, 5558-65	4	21
165	Phenotypic features of Crohn's disease associated with failure of medical treatment. <i>Clinical Gastroenterology and Hepatology</i> , <b>2014</b> , 12, 434-42.e1	6.9	43
164	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> , <b>2014</b> , 97, 2822-34	4	27
163	<i>Clostridium difficile</i> infection worsens the prognosis of ulcerative colitis. <i>Canadian Journal of Gastroenterology and Hepatology</i> , <b>2014</b> , 28, 373-80	2.8	17
162	Perturbation of the human microbiome as a contributor to inflammatory bowel disease. <i>Pathogens</i> , <b>2014</b> , 3, 510-27	4.5	24
161	Gene-expression profiling of calves 6 and 9 months after inoculation with <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> . <i>Veterinary Research</i> , <b>2014</b> , 45, 96	3.8	23
160	Colorectal cancer surveillance in patients with inflammatory bowel disease and primary sclerosing cholangitis: an economic evaluation. <i>Inflammatory Bowel Diseases</i> , <b>2014</b> , 20, 2046-55	4.5	6
159	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> , <b>2014</b> , 20, 800-10	4.5	24
158	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> , <b>2014</b> , 20, 1129-38	4.5	31
157	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> , <b>2014</b> , 97, 3456-71	4	3

156	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> , <b>2014</b> , 160, 107-17	2	19
155	A questionnaire-based survey on the uptake and use of cattle vaccines in the UK. <i>Veterinary Record Open</i> , <b>2014</b> , 1, e000042	1.4	28
154	Metabolomic profiling in cattle experimentally infected with <i>Mycobacterium avium</i> subsp. paratuberculosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e111872	3.7	32
153	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> , <b>2013</b> , 196, 509-14	2.8	35
152	Herd level approach to high bulk milk somatic cell count problems in dairy cattle. <i>Veterinary Quarterly</i> , <b>2013</b> , 33, 82-93	8	11
151	Risk of surgery for inflammatory bowel diseases has decreased over time: a systematic review and meta-analysis of population-based studies. <i>Gastroenterology</i> , <b>2013</b> , 145, 996-1006	13.3	495
150	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> , <b>2013</b> , 96, 4965-76	4	26
149	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> , <b>2013</b> , 111, 245-55	3.1	25
148	High-resolution melt analysis for species identification of coagulase-negative staphylococci derived from bovine milk. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2013</b> , 75, 227-34	2.9	10
147	Molecular identification and antimicrobial susceptibility of <i>Nocardia</i> spp. isolated from bovine mastitis in Brazil. <i>Veterinary Microbiology</i> , <b>2013</b> , 167, 708-12	3.3	16
146	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> , <b>2013</b> , 49, 394-7	1.3	9
145	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> , <b>2013</b> , 19, 2152-2161	4.5	130
144	Evaluation of age-dependent susceptibility in calves infected with two doses of <i>Mycobacterium avium</i> subspecies paratuberculosis using pathology and tissue culture. <i>Veterinary Research</i> , <b>2013</b> , 44, 94	3.8	44
143	Environmental particulate matter induces murine intestinal inflammatory responses and alters the gut microbiome. <i>PLoS ONE</i> , <b>2013</b> , 8, e62220	3.7	156
142	Environment and the inflammatory bowel diseases. <i>Canadian Journal of Gastroenterology &amp; Hepatology</i> , <b>2013</b> , 27, e18-24		83
141	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> , <b>2012</b> , 59, 424-33	2.9	28
140	<i>Giardia</i> and <i>Cryptosporidium</i> on dairy farms and the role these farms may play in contaminating water sources in Prince Edward Island, Canada. <i>Journal of Veterinary Internal Medicine</i> , <b>2012</b> , 26, 668-73	3.1	34
139	Rapid identification of bovine mastitis pathogens by high-resolution melt analysis of 16S rDNA sequences. <i>Veterinary Microbiology</i> , <b>2012</b> , 155, 332-40	3.3	17

138	Occurrence of Giardia and Cryptosporidium in pigs on Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , <b>2012</b> , 184, 18-24	2.8	29
137	Occurrence of Cryptosporidium and Giardia on beef farms and water sources within the vicinity of the farms on Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , <b>2012</b> , 184, 1-9	2.8	28
136	Invited review: Mastitis in dairy heifers: nature of the disease, potential impact, prevention, and control. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 1025-40	4	258
135	Antimicrobial use on Canadian dairy farms. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 1209-21	4	116
134	Manageable risk factors associated with the lactational incidence, elimination, and prevalence of Staphylococcus aureus intramammary infections in dairy cows. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 1283-300	4	58
133	Short communication: Effect of automatic postmilking teat disinfection and cluster flushing on the milking work routine. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 2567-70	4	5
132	Herd-level association between antimicrobial use and antimicrobial resistance in bovine mastitis Staphylococcus aureus isolates on Canadian dairy farms. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 1921-9	4	46
131	Epidemiology of coagulase-negative staphylococci intramammary infection in dairy cattle and the effect of bacteriological culture misclassification. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 3110-24	4	26
130	The relationship between urban environment and the inflammatory bowel diseases: a systematic review and meta-analysis. <i>BMC Gastroenterology</i> , <b>2012</b> , 12, 51	3	97
129	Effect of an automated dipping and backflushing system on somatic cell counts. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 4931-4938	4	6
128	Antimicrobial resistance profiles of common mastitis pathogens on Canadian dairy farms. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 4319-32	4	63
127	Associations of dairy cow behavior, barn hygiene, cow hygiene, and risk of elevated somatic cell count. <i>Journal of Dairy Science</i> , <b>2012</b> , 95, 5730-9	4	39
126	Increasing incidence and prevalence of the inflammatory bowel diseases with time, based on systematic review. <i>Gastroenterology</i> , <b>2012</b> , 142, 46-54.e42; quiz e30	13.3	3167
125	Population Structure of Harvested Red Foxes ( <i>Vulpes vulpes</i> ) and Coyotes ( <i>Canis latrans</i> ) on Prince Edward Island, Canada. <i>Canadian Field-Naturalist</i> , <b>2012</b> , 126, 288	0.8	1
124	Evaluation of a risk-screening questionnaire to detect equine lung inflammation: results of a large field study. <i>Equine Veterinary Journal</i> , <b>2011</b> , 43, 145-52	2.4	38
123	The National Cohort of Dairy Farms--a data collection platform for mastitis research in Canada. <i>Journal of Dairy Science</i> , <b>2011</b> , 94, 1616-26	4	107
122	Cow-specific treatment of clinical mastitis: an economic approach. <i>Journal of Dairy Science</i> , <b>2011</b> , 94, 174-88	4	49
121	Short communication: influence of sampling interval on the accuracy of predicting bulk milk somatic cell count. <i>Journal of Dairy Science</i> , <b>2011</b> , 94, 804-7	4	2

120	Invited review: effect of udder health management practices on herd somatic cell count. <i>Journal of Dairy Science</i> , <b>2011</b> , 94, 563-79	4	111
119	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> , <b>2011</b> , 94, 3845-55	4	28
118	Validity of administrative data for the diagnosis of primary sclerosing cholangitis: a population-based study. <i>Liver International</i> , <b>2011</b> , 31, 712-20	7.9	15
117	Subclinical mastitis and associated risk factors on dairy farms in New South Wales. <i>Australian Veterinary Journal</i> , <b>2011</b> , 89, 41-6	1.2	24
116	Pathogen group specific risk factors at herd, heifer and quarter levels for intramammary infections in early lactating dairy heifers. <i>Preventive Veterinary Medicine</i> , <b>2011</b> , 99, 91-101	3.1	56
115	Incidence of primary sclerosing cholangitis: a systematic review and meta-analysis. <i>Hepatology</i> , <b>2011</b> , 53, 1590-9	11.2	176
114	Challenges associated with identifying the environmental determinants of the inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , <b>2011</b> , 17, 1792-9	4.5	59
113	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> , <b>2011</b> , 49, 1568-77	9.7	15
112	Foodborne illness associated with <i>Cryptosporidium</i> and <i>Giardia</i> from livestock. <i>Journal of Food Protection</i> , <b>2011</b> , 74, 1944-55	2.5	39
111	Crohn's disease in humans and Johne's disease in cattle - linked diseases? <b>2011</b> , 197-213		1
110	Effect of coagulase-negative staphylococci on somatic cell count in Dutch dairy herds. <i>Journal of Dairy Research</i> , <b>2010</b> , 77, 318-24	1.6	15
109	Barium selenate supplementation and its effect on intramammary infection in pasture-based dairy cows. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 1468-77	4	6
108	Prediction of the herd somatic cell count of the following month using a linear mixed effect model. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 234-41	4	1
107	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> , <b>2010</b> , 93, 2014-24	4	63
106	The effect of selenium supplementation before calving on early-lactation udder health in pastured dairy heifers. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 4602-12	4	24
105	Milk selenium concentration and its association with udder health in Atlantic Canadian dairy herds. <i>Journal of Dairy Science</i> , <b>2010</b> , 93, 4700-9	4	6
104	Development and validation of a bilingual questionnaire for measuring udder health related management practices on dairy farms. <i>Preventive Veterinary Medicine</i> , <b>2010</b> , 95, 74-85	3.1	33
103	Management practices associated with the bulk-milk prevalence of <i>Staphylococcus aureus</i> in Canadian dairy farms. <i>Preventive Veterinary Medicine</i> , <b>2010</b> , 97, 20-8	3.1	54



102	Simplify the interpretation of alert lists for clinical mastitis in automatic milking systems. <i>Computers and Electronics in Agriculture</i> , <b>2010</b> , 71, 50-56	6.5	8
101	Reliability of the bulk milk somatic cell count as an indication of average herd somatic cell count. <i>Journal of Dairy Research</i> , <b>2009</b> , 76, 490-6	1.6	10
100	Prevalence and herd-level risk factors for intramammary infection with coagulase-negative staphylococci in Dutch dairy herds. <i>Veterinary Microbiology</i> , <b>2009</b> , 134, 37-44	3.3	73
99	Impact of intramammary infections in dairy heifers on future udder health, milk production, and culling. <i>Veterinary Microbiology</i> , <b>2009</b> , 134, 113-20	3.3	37
98	Performance of API Staph ID 32 and Staph-Zym for identification of coagulase-negative staphylococci isolated from bovine milk samples. <i>Veterinary Microbiology</i> , <b>2009</b> , 136, 300-5	3.3	72
97	Prevalence and molecular characterization of <i>Cryptosporidium</i> spp. in dairy calves from 11 farms in Prince Edward Island, Canada. <i>Veterinary Parasitology</i> , <b>2009</b> , 160, 323-6	2.8	24
96	Prevalence of intramammary infection in Dutch dairy herds. <i>Journal of Dairy Research</i> , <b>2009</b> , 76, 129-36	1.6	54
95	Meta-analysis of the effect of oral selenium supplementation on milk selenium concentration in cattle. <i>Journal of Dairy Science</i> , <b>2009</b> , 92, 324-42	4	61
94	Analytical specificity and sensitivity of a real-time polymerase chain reaction assay for identification of bovine mastitis pathogens. <i>Journal of Dairy Science</i> , <b>2009</b> , 92, 952-9	4	107
93	Providing probability distributions for the causal pathogen of clinical mastitis using naive Bayesian networks. <i>Journal of Dairy Science</i> , <b>2009</b> , 92, 2598-609	4	17
92	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> , <b>2009</b> , 92, 4330-9	4	22
91	Effect of prepartum dry cow antibiotic treatment in dairy heifers on udder health and milk production. <i>Journal of Dairy Science</i> , <b>2009</b> , 92, 4395-403	4	17
90	Invited review: The role of contagious disease in udder health. <i>Journal of Dairy Science</i> , <b>2009</b> , 92, 4717-29	4	118
89	The influence of cow factors on the incidence of clinical mastitis in dairy cows. <i>Journal of Dairy Science</i> , <b>2008</b> , 91, 1391-402	4	62
88	Incidence rate of clinical mastitis on Canadian dairy farms. <i>Journal of Dairy Science</i> , <b>2008</b> , 91, 1366-77	4	273
87	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> , <b>2008</b> , 20, 178-85	1.5	4
86	Dogs as sources and sentinels of parasites in humans and wildlife, northern Canada. <i>Emerging Infectious Diseases</i> , <b>2008</b> , 14, 60-3	10.2	91
85	Comparison of serological methods for the diagnosis of <i>Neospora caninum</i> infection in cattle. <i>Veterinary Parasitology</i> , <b>2007</b> , 143, 166-73	2.8	40

84	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> , <b>2007</b> , 145, 51-8	2.8	10
83	Efficacy of vaccination in preventing giardiasis in calves. <i>Veterinary Parasitology</i> , <b>2007</b> , 146, 182-8	2.8	14
82	An outbreak of dictyocaulosis in lactating cows on a dairy farm. <i>Journal of the American Veterinary Medical Association</i> , <b>2007</b> , 231, 1715-8	1	24
81	Prevalence and distribution of mastitis pathogens in subclinically infected dairy cows in Flanders, Belgium. <i>Journal of Dairy Research</i> , <b>2007</b> , 74, 478-83	1.6	129
80	The effect of season on somatic cell count and the incidence of clinical mastitis. <i>Journal of Dairy Science</i> , <b>2007</b> , 90, 1704-15	4	125
79	Effect of herd characteristics, management practices, and season on different categories of the herd somatic cell count. <i>Journal of Dairy Science</i> , <b>2007</b> , 90, 4137-44	4	20
78	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> , <b>2007</b> , 90, 4145-8	4	19
77	Somatic cell count during and between milkings. <i>Journal of Dairy Science</i> , <b>2007</b> , 90, 3733-41	4	32
76	Agreement between three ELISAs for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in dairy cattle. <i>Veterinary Microbiology</i> , <b>2006</b> , 114, 285-91	3.3	11
75	Test characteristics from latent-class models of the California Mastitis Test. <i>Preventive Veterinary Medicine</i> , <b>2006</b> , 77, 96-108	3.1	32
74	<i>Neospora caninum</i> -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> , <b>2006</b> , 92, 1270-4	0.9	56
73	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> , <b>2006</b> , 89, 1877-95	4	375
72	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> , <b>2006</b> , 228, 1565-73	1	22
71	<i>Giardia duodenalis</i> and <i>Cryptosporidium</i> spp. in a veterinary college bovine teaching herd. <i>Veterinary Parasitology</i> , <b>2006</b> , 142, 231-7	2.8	31
70	Association between somatic cell count in early lactation and culling of dairy heifers using cox frailty models. <i>Journal of Dairy Science</i> , <b>2005</b> , 88, 560-8	4	41
69	Impact of early lactation somatic cell count in heifers on milk yield over the first lactation. <i>Journal of Dairy Science</i> , <b>2005</b> , 88, 938-47	4	50
68	Associations between somatic cell count patterns and the incidence of clinical mastitis. <i>Preventive Veterinary Medicine</i> , <b>2005</b> , 67, 55-68	3.1	13
67	Seroprevalence of pestivirus in four species of alpine wild ungulates in the High Valley of Susa, Italy. <i>Veterinary Microbiology</i> , <b>2005</b> , 108, 297-303	3.3	36

66	Evaluation of three ELISAs for Mycobacterium avium subsp. paratuberculosis using tissue and fecal culture as comparison standards. <i>Veterinary Microbiology</i> , <b>2005</b> , 110, 105-11	3.3	284
65	Comparison of two enzyme-linked immunosorbent assays for diagnosis of Mycobacterium avium subsp. paratuberculosis. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2005</b> , 17, 463-6	1.5	22
64	Certification of herds as free of Mycobacterium paratuberculosis infection: actual pooled faecal results versus certification model predictions. <i>Preventive Veterinary Medicine</i> , <b>2004</b> , 65, 189-204	3.1	43
63	In vitro growth inhibition of major mastitis pathogens by Staphylococcus chromogenes originating from teat apices of dairy heifers. <i>Veterinary Microbiology</i> , <b>2004</b> , 101, 215-21	3.3	56
62	Retained placenta in Friesian mares: incidence, and potential risk factors with special emphasis on gestational length. <i>Theriogenology</i> , <b>2004</b> , 61, 851-9	2.8	46
61	Associations between pathogen-specific cases of clinical mastitis and somatic cell count patterns. <i>Journal of Dairy Science</i> , <b>2004</b> , 87, 95-105	4	84
60	Management practices and heifer characteristics associated with early lactation somatic cell count of Belgian dairy heifers. <i>Journal of Dairy Science</i> , <b>2004</b> , 87, 937-47	4	42
59	Somatic cell count distributions during lactation predict clinical mastitis. <i>Journal of Dairy Science</i> , <b>2004</b> , 87, 1256-64	4	58
58	Impact of early lactation somatic cell count in heifers on somatic cell counts over the first lactation. <i>Journal of Dairy Science</i> , <b>2004</b> , 87, 3672-82	4	37
57	Cow-level prevalence of paratuberculosis in culled dairy cows in Atlantic Canada and Maine. <i>Journal of Dairy Science</i> , <b>2004</b> , 87, 3770-7	4	44
56	Genetic associations for pathogen-specific clinical mastitis and patterns of peaks in somatic cell count. <i>Animal Science</i> , <b>2003</b> , 77, 187-195		15
55	Prepartum teat apex colonization with Staphylococcus chromogenes in dairy heifers is associated with low somatic cell count in early lactation. <i>Veterinary Microbiology</i> , <b>2003</b> , 92, 245-52	3.3	62
54	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> , <b>2003</b> , 97, 73-86	3.3	49
53	Evaluation of a single serological screening of dairy herds for Neospora caninum antibodies. <i>Veterinary Parasitology</i> , <b>2003</b> , 110, 161-9	2.8	43
52	Short-term effect of transition from conventional to automated milking on teat skin and teat end condition. <i>Journal of Dairy Science</i> , <b>2003</b> , 86, 1646-52	4	7
51	Clinical, epidemiological and molecular characteristics of Streptococcus uberis infections in dairy herds. <i>Epidemiology and Infection</i> , <b>2003</b> , 130, 335-49	4.3	119
50	Herd-level diagnosis for Salmonella enterica subsp. enterica serovar Dublin infection in bovine dairy herds. <i>Preventive Veterinary Medicine</i> , <b>2002</b> , 53, 31-42	3.1	49
49	Probability of and risk factors for introduction of infectious diseases into Dutch SPF dairy farms: a cohort study. <i>Preventive Veterinary Medicine</i> , <b>2002</b> , 54, 279-89	3.1	74

48	Risk factors for clinical <i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Typhimurium infection on Dutch dairy farms. <i>Preventive Veterinary Medicine</i> , <b>2002</b> , 54, 157-68	3.1	46
47	Simultaneous intramammary and intranasal inoculation of lactating cows with bovine herpesvirus 4 induce subclinical mastitis. <i>Veterinary Microbiology</i> , <b>2002</b> , 86, 115-29	3.3	9
46	Effect of preculture freezing and incubation on bacteriological isolation from subclinical mastitis samples. <i>Veterinary Microbiology</i> , <b>2002</b> , 85, 241-9	3.3	35
45	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> , <b>2002</b> , 105, 89-98	2.8	49
44	Natural transmission routes of <i>Neospora caninum</i> between farm dogs and cattle. <i>Veterinary Parasitology</i> , <b>2002</b> , 105, 99-104	2.8	64
43	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> , <b>2002</b> , 109, 203-11	2.8	27
42	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 paratuberculosis. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2002</b> , 14, 219-24	1.5	36
41	A mathematical model of <i>Staphylococcus aureus</i> control in dairy herds. <i>Epidemiology and Infection</i> , <b>2002</b> , 129, 397-416	4.3	62
40	Genetic parameters of pathogen-specific incidence of clinical mastitis in dairy cows. <i>Animal Science</i> , <b>2002</b> , 74, 233-242		32
39	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> , <b>2002</b> , 40, 3894-902	9.7	105
38	Reproductive performance of Friesian mares after retained placenta and manual removal of the placenta. <i>Theriogenology</i> , <b>2002</b> , 57, 923-30	2.8	21
37	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> , <b>2002</b> , 57, 941-7	2.8	30
36	The effect of pathogen-specific clinical mastitis on the lactation curve for somatic cell count. <i>Journal of Dairy Science</i> , <b>2002</b> , 85, 1314-23	4	102
35	Evidence of post-natal transmission of <i>Neospora caninum</i> in Dutch dairy herds. <i>International Journal for Parasitology</i> , <b>2001</b> , 31, 209-15	4.3	70
34	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> , <b>2001</b> , 31, 747-52	4.3	129
33	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> , <b>2001</b> , 8, 1049-55		19
32	Use of long-term vaccination with a killed vaccine to prevent fecal shedding of <i>Mycobacterium avium</i> subsp paratuberculosis in dairy herds. <i>American Journal of Veterinary Research</i> , <b>2001</b> , 62, 270-4	1.1	70
31	Analysis of an outbreak of <i>Streptococcus uberis</i> mastitis. <i>Journal of Dairy Science</i> , <b>2001</b> , 84, 590-9	4	70

30	Cow- and quarter-level risk factors for <i>Streptococcus uberis</i> and <i>Staphylococcus aureus</i> mastitis. <i>Journal of Dairy Science</i> , <b>2001</b> , 84, 2649-63	4	149
29	Relationship between teat-end callosity and occurrence of clinical mastitis. <i>Journal of Dairy Science</i> , <b>2001</b> , 84, 2664-72	4	77
28	Retained placenta in Friesian mares: incidence, risk factors, therapy, and consequences. <i>Pferdeheilkunde</i> , <b>2001</b> , 17, 619-622	1.8	3
27	Prevalence and regional distribution of paratuberculosis in dairy herds in The Netherlands. <i>Veterinary Microbiology</i> , <b>2000</b> , 77, 253-61	3.3	71
26	Culture of strategically pooled bovine fecal samples as a method to screen herds for paratuberculosis. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2000</b> , 12, 547-51	1.5	53
25	Factors associated with cure after therapy of clinical mastitis caused by <i>Staphylococcus aureus</i> . <i>Journal of Dairy Science</i> , <b>2000</b> , 83, 278-84	4	111
24	Classification and longitudinal examination of callused teat ends in dairy cows. <i>Journal of Dairy Science</i> , <b>2000</b> , 83, 2795-804	4	91
23	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> , <b>2000</b> , 38, 4402-7	9.7	27
22	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> , <b>2000</b> , 38, 1931-9	9.7	104
21	Factors influencing the isolation of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> from bovine fecal samples. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1999</b> , 11, 345-51	1.5	37
20	Quarter-milk somatic cell count at calving and at the first six milkings after calving. <i>Preventive Veterinary Medicine</i> , <b>1999</b> , 38, 1-9	3.1	64
19	Recurrent clinical mastitis caused by <i>Escherichia coli</i> in dairy cows. <i>Journal of Dairy Science</i> , <b>1999</b> , 82, 80-5	4	78
18	Management practices associated with the incidence rate of clinical mastitis. <i>Journal of Dairy Science</i> , <b>1999</b> , 82, 1643-54	4	141
17	Management style and its association with bulk milk somatic cell count and incidence rate of clinical mastitis. <i>Journal of Dairy Science</i> , <b>1999</b> , 82, 1655-63	4	117
16	Milk production and reproduction during a subclinical bovine herpesvirus 1 infection on a dairy farm. <i>Preventive Veterinary Medicine</i> , <b>1998</b> , 34, 97-106	3.1	33
15	Incidence of clinical mastitis in dairy herds grouped in three categories by bulk milk somatic cell counts. <i>Journal of Dairy Science</i> , <b>1998</b> , 81, 411-9	4	301
14	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> , <b>1998</b> , 81, 420-6	4	72
13	Management practices associated with low, medium, and high somatic cell counts in bulk milk. <i>Journal of Dairy Science</i> , <b>1998</b> , 81, 1917-27	4	131

12	Exploratory study on the economic value of a closed farming system on Dutch dairy farms. <i>Veterinary Record</i> , <b>1998</b> , 142, 240-2	0.9	11
11	The effect of discontinuation of postmilking teat disinfection in low somatic cell count herds. I. Incidence of clinical mastitis. <i>Veterinary Quarterly</i> , <b>1997</b> , 19, 41-7	8	16
10	The effect of discontinuation of postmilking teat disinfection in low somatic cell count herds. II. Dynamics of intramammary infections. <i>Veterinary Quarterly</i> , <b>1997</b> , 19, 47-53	8	28
9	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> , <b>1997</b> , 80, 422-6	4	17
8	Estimation of interdependence among quarters of the bovine udder with subclinical mastitis and implications for analysis. <i>Journal of Dairy Science</i> , <b>1997</b> , 80, 1592-9	4	115
7	Sheep do not have a major role in bovine herpesvirus 1 transmission. <i>Veterinary Microbiology</i> , <b>1997</b> , 57, 41-54	3.3	25
6	Population dynamics of bovine herpesvirus 1 infection in a dairy herd. <i>Veterinary Microbiology</i> , <b>1996</b> , 53, 169-80	3.3	53
5	The economics of caesarian section in dairy cattle. <i>Preventive Veterinary Medicine</i> , <b>1994</b> , 19, 27-37	3.1	7
4	The effects of lameness on reproductive performance, milk production and culling in Dutch dairy farms. <i>Preventive Veterinary Medicine</i> , <b>1994</b> , 20, 249-259	3.1	100
3	Fertility, production and culling following cesarean section in dairy cattle. <i>Theriogenology</i> , <b>1992</b> , 38, 589-98	2.8	27
2	Cesarean section in dairy cattle: A study of risk factors. <i>Theriogenology</i> , <b>1992</b> , 37, 489-506	2.8	20
1	Global prevalence and economics of infection with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in ruminants. 10-21		12