Tim A Mcallister

List of Publications by Year
in descending order

728	28,734	8755 75	13771 129
papers	citations	h-index	g-index

748	748	748	19123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative Microbiomes of the Respiratory Tract and Joints of Feedlot Cattle Mortalities. Microorganisms, 2022, 10, 134.	3.6	5
2	Characterization of various wheat types and processing methods using in vitro ruminal batch cultures. Animal Feed Science and Technology, 2022, 284, 115190.	2.2	3
3	Effects of feeding a pine-based biochar to beef cattle on subsequent manure nutrients, organic matter composition and greenhouse gas emissions. Science of the Total Environment, 2022, 812, 152267.	8.0	9
4	Mechanistic insights into the digestion of complex dietary fibre by the rumen microbiota using combinatorial high-resolution glycomics and transcriptomic analyses. Computational and Structural Biotechnology Journal, 2022, 20, 148-164.	4.1	9
5	Hydrogen and formate production and utilisation in the rumen and the human colon. Animal Microbiome, 2022, 4, 22.	3.8	23
6	Bovine Respiratory Disease: Conventional to Culture-Independent Approaches to Studying Antimicrobial Resistance in North America. Antibiotics, 2022, 11, 487.	3.7	10
7	Nitrogen excretion from beef cattle fed a wide range of diets compiled in an intercontinental dataset: a meta-analysis. Journal of Animal Science, 2022, , .	0.5	0
8	Machine Learning for Antimicrobial Resistance Prediction: Current Practice, Limitations, and Clinical Perspective. Clinical Microbiology Reviews, 2022, 35, .	13.6	33
9	Formation and Transfer of Multi-Species Biofilms Containing E. coli O103:H2 on Food Contact Surfaces to Beef. Frontiers in Microbiology, 2022, 13, .	3.5	3
10	Expressions of resistome is linked to the key functions and stability of active rumen microbiome. Animal Microbiome, 2022, 4, .	3.8	7
11	Environmental performance of commercial beef production systems utilizing conventional productivity-enhancing technologies. Translational Animal Science, 2022, 6, .	1.1	3
12	Farm to fork impacts of super-shedders and high-event periods on food safety. Trends in Food Science and Technology, 2022, 127, 129-142.	15.1	7
13	Genome-Wide Association Study of Nucleotide Variants Associated with Resistance to Nine Antimicrobials in Mycoplasma bovis. Microorganisms, 2022, 10, 1366.	3.6	3
14	Conserving purple prairie clover (Dalea purpurea<scp>V</scp>ent.) as hay and silage had little effect on the efficacy of condensed tannins in modulating ruminal fermentation in vitro. Journal of the Science of Food and Agriculture, 2021, 101, 1247-1254.	3.5	6
15	Strategies to improve the efficiency of beef cattle production. Canadian Journal of Animal Science, 2021, 101, 1-19.	1.5	42
16	Bacterial and fungal communities, but not physicochemical properties, of soil differ according to root rot status of pea. Pedobiologia, 2021, 84, 150705.	1.2	4
17	Quantifying fluorescent glycan uptake to elucidate strain-level variability in foraging behaviors of rumen bacteria. Microbiome, 2021, 9, 23.	11.1	16
18	Effect of silage source, physically effective neutral detergent fiber, and undigested neutral detergent fiber concentrations on performance and carcass characteristics of finishing steers. Translational Animal Science, 2021, 5, txaa236.	1.1	8

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19	Efficacy of Individual Bacteriophages Does Not Predict Efficacy of Bacteriophage Cocktails for Control of Escherichia coli O157. Frontiers in Microbiology, 2021, 12, 616712.	3.5	25
20	Molecular speciation and aromaticity of biochar-manure: Insights from elemental, stable isotope and solid-state DPMAS 13C NMR analyses. Journal of Environmental Management, 2021, 280, 111705.	7.8	15
21	MicroRNAomes of Cattle Intestinal Tissues Revealed Possible miRNA Regulated Mechanisms Involved in Escherichia coli O157 Fecal Shedding. Frontiers in Cellular and Infection Microbiology, 2021, 11, 634505.	3.9	6
22	Resistance Determinants and Their Genetic Context in Enterobacteria from a Longitudinal Study of Pigs Reared under Various Husbandry Conditions. Applied and Environmental Microbiology, 2021, 87, .	3.1	14
23	Abundance and Expression of Shiga Toxin Genes in Escherichia coli at the Recto-Anal Junction Relates to Host Immune Genes. Frontiers in Cellular and Infection Microbiology, 2021, 11, 633573.	3.9	9
24	Utilization of by-products and food waste in livestock production systems: a Canadian perspective. Animal Frontiers, 2021, 11, 55-63.	1.7	46
25	In vitro ruminal fermentation of fenugreek (Trigonella foenum-graecum L.) produced less methane than that of alfalfa (Medicago sativa). Animal Bioscience, 2021, 34, 584-593.	2.0	4
26	Productivity-Enhancing Technologies. Can Consumer Choices Affect the Environmental Footprint of Beef?. Sustainability, 2021, 13, 4283.	3.2	5
27	Nutrient cycling and greenhouse gas emissions from soil amended with biochar-manure mixtures. Pedosphere, 2021, 31, 289-302.	4.0	27
28	Building consensus on water use assessment of livestock production systems and supply chains: Outcome and recommendations from the FAO LEAP Partnership. Ecological Indicators, 2021, 124, 107391.	6.3	22
29	The role of livestock in sustainable food production systems in Canada. Canadian Journal of Animal Science, 2021, 101, 591-601.	1.5	7
30	Ecology and molecular targets of hypermutation in the global microbiome. Nature Communications, 2021, 12, 3076.	12.8	35
31	The Role of Whole Genome Sequencing in the Surveillance of Antimicrobial Resistant Enterococcus spp.: A Scoping Review. Frontiers in Public Health, 2021, 9, 599285.	2.7	16
32	Application of Four Genotyping Methods to Mycoplasma bovis Isolates Derived from Western Canadian Feedlot Cattle. Journal of Clinical Microbiology, 2021, 59, e0004421.	3.9	6
33	Effect of essential oil blends and a nonionic surfactant on rumen fermentation, anti-oxidative status, and growth performance of lambs. Translational Animal Science, 2021, 5, txab118.	1.1	2
34	Prevalence and Risk Factors Associated With Antimicrobial Resistance in Bacteria Related to Bovine Respiratory Diseaseâ€"A Broad Cross-Sectional Study of Beef Cattle at Entry Into Canadian Feedlots. Frontiers in Veterinary Science, 2021, 8, 692646.	2.2	9
35	Inconsistent PCR detection of Shiga toxin-producing Escherichia coli: Insights from whole genome sequence analyses. PLoS ONE, 2021, 16, e0257168.	2.5	8
36	Effect of pine-based biochars with differing physiochemical properties on methane production, ruminal fermentation, and rumen microbiota in an artificial rumen (RUSITEC) fed barley silage. Canadian Journal of Animal Science, 2021, 101, 577-589.	1.5	3

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37	Effect of Bioaugmentation with Anaerobic Fungi Isolated from Ruminants on the Hydrolysis of Corn Silage and Phragmites australis. Applied Sciences (Switzerland), 2021, 11, 9123.	2.5	2
38	Composition and Protein Precipitation Capacity of Condensed Tannins in Purple Prairie Clover (Dalea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	3
39	Kochia (Bassia scoparia) harvest date impacts nutrient composition, in vitro degradability, and feed value more than pre-harvest herbicide treatment or herbicide resistance traits. Animal Feed Science and Technology, 2021, 280, 115079.	2.2	5
40	Degradation of antimicrobial resistance genes within stockpiled beef cattle feedlot manure. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 1-14.	1.7	1
41	Transâ€10 18:1 in ruminant meats: A review. Lipids, 2021, 56, 539-562.	1.7	12
42	150 Effect of Ergot Alkaloids and a Mycotoxin Deactivating Product on in vitro Rumen Fermentation Using the Rumen Simulation Technique (RUSITEC). Journal of Animal Science, 2021, 99, 78-78.	0.5	0
43	PSX-B-10 Effect of undigested neutral detergent fiber concentration and forage inclusion rate on ruminal pH, reticular motility, and total tract permeability for finishing beef heifers. Journal of Animal Science, 2021, 99, 457-458.	0.5	1
44	PSIII-18 Identification of microbial interactions and markers associated with Shiga toxin-producing bacteria colonization in the rectum of beef steers. Journal of Animal Science, 2021, 99, 339-340.	0.5	0
45	PSXIV-11 Silage source, physically effective neutral detergent fiber, and undigested neutral detergent fiber concentrations affect eating behavior, ruminal pH and reticular motility of finishing heifers. Journal of Animal Science, 2021, 99, 476-477.	0.5	1
46	147 Use of Productivity Enhancing Technologies in Beef Steers Reduces Greenhouse Gas Emission Intensity. Journal of Animal Science, 2021, 99, 79-80.	0.5	0
47	Knowledge Gaps in the Understanding of Antimicrobial Resistance in Canada. Frontiers in Public Health, 2021, 9, 726484.	2.7	26
48	Prevalence, Risk Factors, and Antimicrobial Resistance Profile of Respiratory Pathogens Isolated From Suckling Beef Calves to Reprocessing at the Feedlot: A Longitudinal Study. Frontiers in Veterinary Science, 2021, 8, 764701.	2.2	15
49	Microbial interaction-driven community differences as revealed by network analysis. Computational and Structural Biotechnology Journal, 2021, 19, 6000-6008.	4.1	15
50	Accelerated discovery of novel glycoside hydrolases using targeted functional profiling and selective pressure on the rumen microbiome. Microbiome, 2021, 9, 229.	11.1	10
51	A review of the resistome within the digestive tract of livestock. Journal of Animal Science and Biotechnology, 2021, 12, 121.	5.3	17
52	Antimicrobial Resistance in Enterococcus Spp. Isolated from a Beef Processing Plant and Retail Ground Beef. Microbiology Spectrum, 2021, 9, e0198021.	3.0	10
53	Single- and Dual-Species Biofilm Formation by Shiga Toxin-Producing Escherichia coli and Salmonella, and Their Susceptibility to an Engineered Peptide WK2. Microorganisms, 2021, 9, 2510.	3.6	3
54	Effect of feeding barley or corn silage with dry-rolled barley, corn, or a blend of barley and corn grain on rumen fermentation, total tract digestibility, and nitrogen balance for finishing beef heifers. Journal of Animal Science, 2020, 98, .	0.5	7

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55	Effect of a bacteriophage T5virus on growth of Shiga toxigenic Escherichia coli and Salmonella strains in individual and mixed cultures. Virology Journal, 2020, 17, 3.	3.4	11
56	A direct qPCR screening approach to improve the efficiency of Mycoplasma bovis isolation in the frame of a broad surveillance study. Journal of Microbiological Methods, 2020, 169, 105805.	1.6	7
57	Effects of Beef Juice on Biofilm Formation by Shiga Toxinâ€"Producing Escherichia coli on Stainless Steel. Foodborne Pathogens and Disease, 2020, 17, 235-242.	1.8	10
58	Presence and Diversity of Extended-Spectrum Cephalosporin Resistance Among Escherichia coli from Urban Wastewater and Feedlot Cattle in Alberta, Canada. Microbial Drug Resistance, 2020, 26, 300-309.	2.0	11
59	Interrelationships of Fiber-Associated Anaerobic Fungi and Bacterial Communities in the Rumen of Bloated Cattle Grazing Alfalfa. Microorganisms, 2020, 8, 1543.	3.6	13
60	A social-ecological systems approach for the assessment of ecosystem services from beef production in the Canadian prairie. Ecosystem Services, 2020, 45, 101172.	5.4	9
61	Feedlot Cattle Antimicrobial Use Surveillance Network: A Canadian Journey. Frontiers in Veterinary Science, 2020, 7, 596042.	2.2	8
62	Greenhouse gas and ammonia emissions from stored manure from beef cattle supplemented 3-nitrooxypropanol and monensin to reduce enteric methane emissions. Scientific Reports, 2020, 10, 19310.	3.3	14
63	Multidrug Resistance in Pasteurellaceae Associated With Bovine Respiratory Disease Mortalities in North America From 2011 to 2016. Frontiers in Microbiology, 2020, 11, 606438.	3.5	11
64	Effects of barley type and processing method on rumen fermentation, dry matter disappearance and fermentation characteristics in batch cultures. Animal Feed Science and Technology, 2020, 269, 114625.	2.2	6
65	Investigation of Macrolide Resistance Genotypes in Mycoplasma bovis Isolates from Canadian Feedlot Cattle. Pathogens, 2020, 9, 622.	2.8	12
66	Effects of inoculation of corn silage with Lactobacillus hilgardii and Lactobacillus buchneri on silage quality, aerobic stability, nutrient digestibility, and growth performance of growing beef cattle. Journal of Animal Science, 2020, 98, .	0.5	21
67	Whole-Genome Draft Assemblies of Difficult-to-Classify Escherichia coli O157 and Non-O157 Isolates from Feces of Canadian Feedlot Cattle. Microbiology Resource Announcements, 2020, 9, .	0.6	3
68	Activity of Bacteriophage and Complex Tannins against Biofilm-Forming Shiga Toxin-Producing Escherichia coli from Canada and South Africa. Antibiotics, 2020, 9, 257.	3.7	11
69	Effect of ammonia fiber expansion-treated wheat straw and a recombinant fibrolytic enzyme on rumen microbiota and fermentation parameters, total tract digestibility, and performance of lambs. Journal of Animal Science, 2020, 98, .	0.5	19
70	Pretreatment of crop residues by ammonia fiber expansion (AFEX) alters the temporal colonization of feed in the rumen by rumen microbes. FEMS Microbiology Ecology, 2020, 96, .	2.7	2
71	Using molecular microbial ecology to define differential responses to the inoculation of barley silage. Canadian Journal of Animal Science, 2020, 100, 703-715.	1.5	3
72	Bacteriophage biocontrol of Shiga toxigenic Escherichia coli (STEC) O145 biofilms on stainless steel reduces the contamination of beef. Food Microbiology, 2020, 92, 103572.	4.2	19

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73	Use of barley or corn silage when fed with barley, corn, or a blend of barley and corn on growth performance, nutrient utilization, and carcass characteristics of finishing beef cattle. Translational Animal Science, 2020, 4, 129-140.	1.1	14
74	Surveillance of Enterococcus spp. reveals distinct species and antimicrobial resistance diversity across a One-Health continuum. Scientific Reports, 2020, 10, 3937.	3.3	109
75	A One Health Comparative Assessment of Antimicrobial Resistance in Generic and Extended-Spectrum Cephalosporin-Resistant Escherichia coli from Beef Production, Sewage and Clinical Settings. Microorganisms, 2020, 8, 885.	3.6	16
76	Comparative genomics of multidrug-resistant Enterococcus spp. isolated from wastewater treatment plants. BMC Microbiology, 2020, 20, 20.	3.3	31
77	Nutrition, feeding and management of beef cattle in intensive and extensive production systems. , 2020, , 75-98.		12
78	Biofilm formation by South African non-O157 Shiga toxigenic Escherichia coli on stainless steel coupons. Canadian Journal of Microbiology, 2020, 66, 328-336.	1.7	5
79	Antimicrobial Resistance in Members of the Bacterial Bovine Respiratory Disease Complex Isolated from Lung Tissue of Cattle Mortalities Managed with or without the Use of Antimicrobials. Microorganisms, 2020, 8, 288.	3.6	27
80	Investigation of a Reduction in Tylosin on the Prevalence of Liver Abscesses and Antimicrobial Resistance in Enterococci in Feedlot Cattle. Frontiers in Veterinary Science, 2020, 7, 90.	2.2	14
81	Effects of inclusion of purple prairie clover (Dalea purpurea Vent.) with native cool-season grasses on in vitro fermentation and in situ digestibility of mixed forages. Journal of Animal Science and Biotechnology, 2020, 11, 23.	5.3	2
82	Effect of ammonia fibre expansion (AFEX) treatment of rice straw on in situ digestibility, microbial colonization, acetamide levels and growth performance of lambs. Animal Feed Science and Technology, 2020, 261, 114411.	2.2	8
83	Association of leptin genotype with growth performance, adipocyte cellularity, meat quality, and fatty acid profile in beef steers fed flaxseed or high-oleate sunflower seed diets with or without triticale dried distillerâ€™s grains. Journal of Animal Science, 2020, 98, .	0.5	4
84	A Sensitive and Accurate Recombinase Polymerase Amplification Assay for Detection of the Primary Bacterial Pathogens Causing Bovine Respiratory Disease. Frontiers in Veterinary Science, 2020, 7, 208.	2.2	16
85	Propionic acid bacteria enhance ruminal feed degradation and reduce methane production in vitro. Acta Agriculturae Scandinavica - Section A: Animal Science, 2020, 69, 169-175.	0.2	18
86	Whole Genome Sequencing Differentiates Presumptive Extended Spectrum Beta-Lactamase Producing Escherichia coli along Segments of the One Health Continuum. Microorganisms, 2020, 8, 448.	3.6	25
87	164 Effect of trenbolone acetate, melengestrol acetate, and ractopamine hydrochloride on growth performance of growing beef cattle. Journal of Animal Science, 2020, 98, 127-127.	0.5	2
88	Effect of a pine enhanced biochar on growth performance, carcass quality, and feeding behavior of feedlot steers1. Translational Animal Science, 2020, 4, 831-838.	1.1	11
89	Antimicrobial Sensitivity Testing of Mycoplasma bovis Isolates Derived from Western Canadian Feedlot Cattle. Microorganisms, 2020, 8, 124.	3.6	21
90	PSI-8 Effect of breed on the abundance and expression of Shiga toxin in Escherichia coli from the recto-anal junction of feedlot beef cattle. Journal of Animal Science, 2020, 98, 262-262.	0.5	0

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91	PSIV-4 Program Chair Poster Pick: Determinants of red meat exclusion from diets in Canada. Journal of Animal Science, 2020, 98, 279-280.	0.5	0
92	72 Estimating the supply and movement of feed for beef production in Alberta, Canada. Journal of Animal Science, 2020, 98, 46-46.	0.5	0
93	173 Greenhouse gas emissions and land use associated with the removal of growth-enhancing technologies from backgrounding and finishing cattle in Canada: A case study. Journal of Animal Science, 2020, 98, 125-126.	0.5	0
94	73 Nutritional impact of excluding red meat from the Canadian diet. Journal of Animal Science, 2020, 98, 49-51.	0.5	1
95	PSXI-15 Effects of post-pyrolysis treated biochars on nutrient disappearance, methane production and ruminal fermentation of a silage-based diet in an artificial rumen system (RUSITEC). Journal of Animal Science, 2020, 98, 395-395.	0.5	0
96	PSVII-10 Evaluation of different biochar sources added at two inclusion levels in a grass hay- based diet on dry matter disappearance and ruminal fermentation parameters in vitro. Journal of Animal Science, 2020, 98, 296-296.	0.5	0
97	Characterization of the Microbial Resistome in Conventional and â€œRaised Without Antibioticsâ€•Beef and Dairy Production Systems. Frontiers in Microbiology, 2019, 10, 1980.	3.5	58
98	Characterization of Non-O157 Escherichia coli from Cattle Faecal Samples in the North-West Province of South Africa. Microorganisms, 2019, 7, 272.	3.6	34
99	Effects of a recombinant fibrolytic enzyme on fiber digestion, ruminal fermentation, nitrogen balance, and total tract digestibility of heifers fed a high forage diet1. Journal of Animal Science, 2019, 97, 3578-3587.	0.5	13
100	Effect of exogenous fibrolytic enzymes and ammonia fiber expansion on the fermentation of wheat straw in an artificial rumen system (RUSITEC)1. Journal of Animal Science, 2019, 97, 3535-3549.	0.5	13
101	Recombinant fibrolytic feed enzymes and ammonia fibre expansion (AFEX) pretreatment of crop residues to improve fibre degradability in cattle. Animal Feed Science and Technology, 2019, 256, 114260.	2.2	17
102	Effects of inoculation of corn silage with Lactobacillus spp. or Saccharomyces cerevisiae alone or in combination on silage fermentation characteristics, nutrient digestibility, and growth performance of growing beef cattle. Journal of Animal Science, 2019, 97, 4974-4986.	0.5	14
103	Reply to Comments on â€œShiga-Toxin Producing Escherichia coli in Brazil: A Systematic Review. Microorganisms 2019, 7, 137â€• Microorganisms, 2019, 7, 418.	3.6	4
104	Comparative diversity of microbiomes and Resistomes in beef feedlots, downstream environments and urban sewage influent. BMC Microbiology, 2019, 19, 197.	3.3	34
105	Impact of a phytogenic feed additive on growth performance, feed intake, and carcass traits of finishing steers. Translational Animal Science, 2019, 3, 1162-1172.	1.1	9
106	Plasmid Distribution among Escherichia coli from Livestock and Associated Wastewater: Unraveling Factors That Shape the Presence of Genes Conferring Third-Generation Cephalosporin Resistance. Environmental Science & Technology, 2019, 53, 11666-11674.	10.0	8
107	A Pine Enhanced Biochar Does Not Decrease Enteric CH4 Emissions, but Alters the Rumen Microbiota. Frontiers in Veterinary Science, 2019, 6, 308.	2.2	25
108	Bacteriocin Occurrence and Activity in Escherichia coli Isolated from Bovines and Wastewater. Toxins, 2019, 11, 475.	3.4	33

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109	Functional screening for triclosan resistance in a wastewater metagenome and isolates of Escherichia coli and Enterococcus spp. from a large Canadian healthcare region. PLoS ONE, 2019, 14, e0211144.	2.5	17
110	Impact ofSaccharomyces cerevisiaeandLactobacillus buchnerion microbial communities during ensiling and aerobic spoilage of corn silage1. Journal of Animal Science, 2019, 97, 1273-1285.	0.5	38
111	SalmoFreshâ„¢ effectiveness in controlling Salmonella on romaine lettuce, mung bean sprouts and seeds. International Journal of Food Microbiology, 2019, 305, 108250.	4.7	53
112	Antibiofilm activity and modes of action of a novel Î²-sheet peptide against multidrug-resistant Salmonella enterica. Food Research International, 2019, 125, 108520.	6.2	9
113	Fibre digestion by rumen microbiota â€" a review of recent metagenomic and metatranscriptomic studies. Canadian Journal of Animal Science, 2019, 99, 678-692.	1.5	38
114	Impact of field fungal contamination of barley on ensiling properties, nutritional quality and the microbiome of barley silage. Grass and Forage Science, 2019, 74, 231-243.	2.9	7
115	Shiga-Toxin Producing Escherichia Coli in Brazil: A Systematic Review. Microorganisms, 2019, 7, 137.	3.6	24
116	Comparison of biochemical and genotypic speciation methods for vancomycin-resistant enterococci isolated from urban wastewater treatment plants. Journal of Microbiological Methods, 2019, 161, 102-110.	1.6	10
117	Lower Respiratory Tract Microbiome and Resistome of Bovine Respiratory Disease Mortalities. Microbial Ecology, 2019, 78, 446-456.	2.8	46
118	Biofilm Formation by Shiga Toxin-Producing Escherichia coli on Stainless Steel Coupons as Affected by Temperature and Incubation Time. Microorganisms, 2019, 7, 95.	3.6	35
119	Diversity of CTX-M-positive Escherichia coli recovered from animals in Canada. Veterinary Microbiology, 2019, 231, 71-75.	1.9	52
120	Serotyping and antimicrobial resistance of Mannheimia haemolytica strains from European cattle with bovine respiratory disease. Research in Veterinary Science, 2019, 124, 10-12.	1.9	10
121	86 Evaluation of ensiled triticale varieties (â€˜Tazaâ€™ and â€˜Bunkerâ€™ Triticosecale) and barley (Hordeum) Tj ETQq1 1 0.784314	0.5	0
122	177 Strategies to improve the efficiency of beef cattle production. Journal of Animal Science, 2019, 97, 183-183.	0.5	0
123	81 Effects of engineered biocarbons on total gas and methane production, rumen fermentation and microbial protein synthesis in a semi continuous fermentation system (RUSITEC). Journal of Animal Science, 2019, 97, 72-73.	0.5	0
124	PSVII-10 Effect of Lactobacillus spp. and Saccharomyces cerevisiae alone or in combination on the fermentation and aerobic stability of whole-crop corn silage. Journal of Animal Science, 2019, 97, 299-300.	0.5	1
125	PSIX-11 Impact of a phytogenic feed additive on growth performance, feed intake and carcass traits of finishing steers. Journal of Animal Science, 2019, 97, 398-398.	0.5	0
126	PSVII-9 Agronomic characteristics and nutrient composition of purple prairie clover grown under irrigated and dryland conditions. Journal of Animal Science, 2019, 97, 298-298.	0.5	0

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127	PSXI-13 Effect of Lactobacillus spp. and Saccharomyces cerevisiae alone or in combination, on ruminal fermentation, total tract nutrient digestibility and performance of growing beef cattle. Journal of Animal Science, 2019, 97, 406-406.	0.5	0
128	98 Effect of engineered biocarbon on rumen fermentation, nutrient digestibility, methane emissions, and rumen microbiota in beef heifers. Journal of Animal Science, 2019, 97, 82-83.	0.5	0
129	403 Using ruminally protected and unprotected Saccharomyces cerevisiae fermentation products as alternatives to antibiotics in finishing beef steers: growth performance and antimicrobial resistance. Journal of Animal Science, 2019, 97, 162-163.	0.5	0
130	Emerging Variants of the Integrative and Conjugant Element ICEMh1 in Livestock Pathogens: Structural Insights, Potential Host Range, and Implications for Bacterial Fitness and Antimicrobial Therapy. Frontiers in Microbiology, 2019, 10, 2608.	3.5	7
131	Characterization of Non-O157 STEC Infecting Bacteriophages Isolated from Cattle Faeces in North-West South Africa. Microorganisms, 2019, 7, 615.	3.6	13
132	Quantification and Multidrug Resistance Profiles of Vancomycin-Resistant Enterococci Isolated from Two Wastewater Treatment Plants in the Same Municipality. Microorganisms, 2019, 7, 626.	3.6	7
133	Effect of variety and level of inclusion of barley silage selected for varying neutral detergent fiber digestibility on ruminal fermentation and nutrient digestibility in feedlot heifers fed backgrounding and finishing diets. Canadian Journal of Animal Science, 2019, 99, 268-282.	1.5	0
134	Humic substances reduce ruminal methane production and increase the efficiency of microbial protein synthesis in vitro. Journal of the Science of Food and Agriculture, 2019, 99, 2152-2157.	3.5	9
135	Draft Genome Sequences of 43 Enterococcus faecalis and Enterococcus faecium Isolates from a Commercial Beef Processing Plant and Retail Ground Beef. Microbiology Resource Announcements, 2019, 8, .	0.6	2
136	74 Effects of particle size and levels of inclusion of selected engineered biocarbon on methane emission and rumen fermentation of barley-silage based diet in batch culture. Journal of Animal Science, 2019, 97, 71-72.	0.5	0
137	82 Effect of by-product feed supplementation of a hay-based diet on rumen fermentation, diet digestibility, methane production and protozoal population in an artificial rumen (RUSITEC). Journal of Animal Science, 2019, 97, 73-73.	0.5	0
138	Impact of Pediococcus pentosaceus and Pichia anomala in combination with chitinase on the preservation of highâ€moisture alfalfa hay. Grass and Forage Science, 2018, 73, 610-621.	2.9	2
139	Ability of Shiga toxigenic Escherichia coli to survive within dry-surface biofilms and transfer to fresh lettuce. International Journal of Food Microbiology, 2018, 269, 52-59.	4.7	28
140	Effects of Condensed and Hydrolyzable Tannins on Rumen Metabolism with Emphasis on the Biohydrogenation of Unsaturated Fatty Acids. Journal of Agricultural and Food Chemistry, 2018, 66, 3367-3377.	5.2	42
141	Impact of sequencing depth on the characterization of the microbiome and resistome. Scientific Reports, 2018, 8, 5890.	3.3	174
142	Identification of novel enzymes to enhance the ruminal digestion of barley straw. Bioresource Technology, 2018, 260, 76-84.	9.6	13
143	Water use intensity of Canadian beef production in 1981 as compared to 2011. Science of the Total Environment, 2018, 619-620, 1030-1039.	8.0	18
144	In silico identification and high throughput screening of antigenic proteins as candidates for a Mannheimia haemolytica vaccine. Veterinary Immunology and Immunopathology, 2018, 195, 19-24.	1.2	4

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145	Condensed Tannins Affect Bacterial and Fungal Microbiomes and Mycotoxin Production during Ensiling and upon Aerobic Exposure. Applied and Environmental Microbiology, 2018, 84, .	3.1	46
146	Silage review: Unique challenges of silages made in hot and cold regions. Journal of Dairy Science, 2018, 101, 4001-4019.	3.4	132
147	Silage review: Recent advances and future uses of silage additives. Journal of Dairy Science, 2018, 101, 3980-4000.	3.4	517
148	Silage review: Using molecular approaches to define the microbial ecology of silage. Journal of Dairy Science, 2018, 101, 4060-4074.	3.4	112
149	Air-Dried Brown Seaweed, Ascophyllum nodosum , Alters the Rumen Microbiome in a Manner That Changes Rumen Fermentation Profiles and Lowers the Prevalence of Foodborne Pathogens. MSphere, 2018, 3, .	2.9	31
150	Interactions of the Hindgut Mucosa-Associated Microbiome with Its Host Regulate Shedding of Escherichia coli O157:H7 by Cattle. Applied and Environmental Microbiology, 2018, 84, .	3.1	24
151	Fecal microbiota of lambs fed purple prairie clover (Dalea purpurea Vent.) and alfalfa (Medicago) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	26
152	Dissipation of antimicrobial resistance genes in compost originating from cattle manure after direct oral administration or post-excretion fortification of antimicrobials. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 373-384.	1.7	13
153	Modeling future water footprint of barley production in Alberta, Canada: Implications for water use and yields to 2064. Science of the Total Environment, 2018, 616-617, 208-222.	8.0	42
154	Genotypes and Phenotypes of Enterococci Isolated From Broiler Chickens. Frontiers in Sustainable Food Systems, 2018, 2, .	3.9	26
155	In vitro rumen fermentation and effect of protein fractions of canola meals on methane production. Scientia Agricola, 2018, 75, 12-17.	1.2	5
156	Nitrogen Mineralization in Chernozemic Soils Amended with Manure from Cattle Fed Dried Distillers Grains with Solubles. Soil Science Society of America Journal, 2018, 82, 167-175.	2.2	4
157	Evaluation of compost, vegetable and food waste as amendments to improve the composting of NaOH/NaClO-contaminated poultry manure. PLoS ONE, 2018, 13, e0205112.	2.5	10
158	Variability in Characterizing Escherichia coli from Cattle Feces: A Cautionary Tale. Microorganisms, 2018, 6, 74.	3.6	5
159	Effects of Feeding a Mycotoxin Binder on Nutrient Digestibility, Alkaloid Recovery in Feces, and Performance of Lambs Fed Diets Contaminated with Cereal Ergot. Toxins, 2018, 10, 312.	3.4	10
160	Beef production and ecosystem services in Canadaâ€™s prairie provinces: A review. Agricultural Systems, 2018, 166, 152-172.	6.1	23
161	Effect of variety and stage of maturity at harvest on nutrient and neutral detergent fiber digestibility of forage barley grown in western Canada. Canadian Journal of Animal Science, 2018, 98, 299-310.	1.5	7
162	Challenges of a one-health approach to the development of alternatives to antibiotics. Animal Frontiers, 2018, 8, 10-20.	1.7	19

#	Article	IF	Citations
163	Saccharification efficiencies of multi-enzyme complexes produced by aerobic fungi. New Biotechnology, 2018, 46, 1-6.	4.4	4
164	Effect of changes in management practices and animal performance on ammonia emissions from Canadian beef production in 1981 as compared with 2011. Canadian Journal of Animal Science, 2018, 98, 833-844.	1.5	9
165	Effect of fibrolytic enzymes on lactational performance, feeding behavior, and digestibility in high-producing dairy cows fed a barley silageâ€“based diet. Journal of Dairy Science, 2018, 101, 7971-7979.	3.4	34
166	Humic Substances Alter Ammonia Production and the Microbial Populations Within a RUSITEC Fed a Mixed Hay â€“ Concentrate Diet. Frontiers in Microbiology, 2018, 9, 1410.	3.5	30
167	Application of Transcriptomics to Compare the Carbohydrate Active Enzymes That Are Expressed by Diverse Genera of Anaerobic Fungi to Degrade Plant Cell Wall Carbohydrates. Frontiers in Microbiology, 2018, 9, 1581.	3.5	58
168	Zoonotic Fecal Pathogens and Antimicrobial Resistance in Canadian Petting Zoos. Microorganisms, 2018, 6, 70.	3.6	17
169	Lactobacilli Are Prominent Members of the Microbiota Involved in the Ruminal Digestion of Barley and Corn. Frontiers in Microbiology, 2018, 9, 718.	3.5	32
170	Changes in Rumen Microbial Profiles and Subcutaneous Fat Composition When Feeding Extruded Flaxseed Mixed With or Before Hay. Frontiers in Microbiology, 2018, 9, 1055.	3.5	25
171	Characterization of Condensed Tannins from Purple Prairie Clover (Dalea purpurea Vent.) Conserved as either Freeze-Dried Forage, Sun-Cured Hay or Silage. Molecules, 2018, 23, 586.	3.8	18
172	New recombinant fibrolytic enzymes for improved in vitro ruminal fiber degradability of barley straw1. Journal of Animal Science, 2018, 96, 3928-3942.	0.5	24
173	Clonal expansion of environmentally-adapted Escherichia coli contributes to propagation of antibiotic resistance genes in beef cattle feedlots. Science of the Total Environment, 2018, 637-638, 657-664.	8.0	8
174	Addressing Global Ruminant Agricultural Challenges Through Understanding the Rumen Microbiome: Past, Present, and Future. Frontiers in Microbiology, 2018, 9, 2161.	3.5	255
175	A Novel aadA Aminoglycoside Resistance Gene in Bovine and Porcine Pathogens. MSphere, 2018, 3, .	2.9	19
176	Effect of engineered biocarbon on rumen fermentation, microbial protein synthesis, and methane production in an artificial rumen (RUSITEC) fed a high forage diet1. Journal of Animal Science, 2018, 96, 3121-3130.	0.5	39
177	Deriving a dataset for agriculturally relevant soils from the Soil Landscapes of Canada (SLC) database for use in Soil and Water Assessment Tool (SWAT) simulations. Earth System Science Data, 2018, 10, 1673-1686.	9.9	14
178	Comparison of antimicrobial resistance genes in feedlots and urban wastewater. Canadian Journal of Veterinary Research, 2018, 82, 24-38.	0.2	15
179	Impact of ferulic acid esteraseâ€producing lactobacilli and fibrolytic enzymes on ensiling and digestion kinetics of mixed smallâ€grain silage. Grass and Forage Science, 2017, 72, 80-92.	2.9	11
180	Effect of increasing concentrations of total dissolved salts in drinking water on digestion, performance and water balance in heifers. Journal of Agricultural Science, 2017, 155, 847-856.	1.3	12

#	Article	IF	Citations
181	Analysis of Complex Carbohydrate Composition in Plant Cell Wall Using Fourier Transformed Mid-Infrared Spectroscopy (FT-IR). Methods in Molecular Biology, 2017, 1588, 209-214.	0.9	7
182	Isolation and Preparation of Extracellular Proteins from Lignocellulose Degrading Fungi for Comparative Proteomic Studies Using Mass Spectrometry. Methods in Molecular Biology, 2017, 1588, 299-308.	0.9	0
183	Environmental Growth of Enterococci and Escherichia coli in Feedlot Catch Basins and a Constructed Wetland in the Absence of Fecal Input. Environmental Science & Technology, 2017, 51, 5386-5395.	10.0	18
184	Effects of feeding steers extruded flaxseed on its own before hay or mixed with hay on animal performance, carcass quality, and meat and hamburger fatty acid composition. Meat Science, 2017, 131, 9-17.	5.5	47
185	Identification of Genes Involved in the Degradation of Lignocellulose Using Comparative Transcriptomics. Methods in Molecular Biology, 2017, 1588, 279-298.	0.9	3
186	Sequential Feeding of Lipid Supplement Enriches Beef Adipose Tissues with 18:3nâ€3 Biohydrogenation Intermediates. Lipids, 2017, 52, 641-649.	1.7	11
187	Discovery and characterization of family 39 glycoside hydrolases from rumen anaerobic fungi with polyspecific activity on rare arabinosyl substrates. Journal of Biological Chemistry, 2017, 292, 12606-12620.	3.4	32
188	A multiplex PCR assay for molecular capsular serotyping of Mannheimia haemolytica serotypes 1, 2, and 6. Journal of Microbiological Methods, 2017, 139, 155-160.	1.6	33
189	Effects of pelleting diets containing cereal ergot alkaloids on nutrient digestibility, growth performance and carcass traits of lambs. Animal Feed Science and Technology, 2017, 230, 103-113.	2.2	17
190	Farm Fairs and Petting Zoos: A Review of Animal Contact as a Source of Zoonotic Enteric Disease. Foodborne Pathogens and Disease, 2017, 14, 59-73.	1.8	75
191	Metagenomic Sequencing of Bronchoalveolar Lavage Samples from Feedlot Cattle Mortalities Associated with Bovine Respiratory Disease. Genome Announcements, 2017, 5, .	0.8	7
192	Host mechanisms involved in cattle Escherichia coli O157 shedding: a fundamental understanding for reducing foodborne pathogen in food animal production. Scientific Reports, 2017, 7, 7630.	3.3	15
193	Effect of Propionibacterium acidipropionici P169 on the rumen and faecal microbiota of beef cattle fed a maize-based finishing diet. Beneficial Microbes, 2017, 8, 785-799.	2.4	7
194	A Plantâ€Produced Candidate Subunit Vaccine Reduces Shedding of Enterohemorrhagic Escherichia coli in Ruminants. Biotechnology Journal, 2017, 12, 1700405.	3.5	9
195	Repeated inoculation of cattle rumen with bison rumen contents alters the rumen microbiome and improves nitrogen digestibility in cattle. Scientific Reports, 2017, 7, 1276.	3.3	67
196	Effect of severe weather events on the shedding of Shigatoxigenic Escherichia coli in slaughter cattle and phenotype of serogroup O157 isolates. FEMS Microbiology Ecology, 2017, 93, .	2.7	10
197	Performance of alfalfaâ€“sainfoin mixed pastures and grazing steers in western Canada. The Professional Animal Scientist, 2017, 33, 472-482.	0.7	5
198	Bacterial and fungal core microbiomes associated with small grain silages during ensiling and aerobic spoilage. BMC Microbiology, 2017, 17, 50.	3.3	116

#	Article	IF	Citations
199	Comparative genomics of Enterococcus spp. isolated from bovine feces. BMC Microbiology, 2017, 17, 52.	3.3	83
200	Effects of particle size of processed barley grain, enzyme addition and microwave treatment on in vitro disappearance and gas production for feedlot cattle. Asian-Australasian Journal of Animal Sciences, 2017, 30, 479-485.	2.4	7
201	Antimicrobial Susceptibility of Bacteria That Cause Bovine Respiratory Disease Complex in Alberta, Canada. Frontiers in Veterinary Science, 2017, 4, 207.	2.2	57
202	Effects of Continuously Feeding Diets Containing Cereal Ergot Alkaloids on Nutrient Digestibility, Alkaloid Recovery in Feces, and Performance Traits of Ram Lambs. Toxins, 2017, 9, 405.	3.4	10
203	A Review of Sustainability Enhancements in the Beef Value Chain: State-of-the-Art and Recommendations for Future Improvements. Animals, 2017, 7, 26.	2.3	11
204	Enhancing the Resolution of Rumen Microbial Classification from Metatranscriptomic Data Using Kraken and Mothur. Frontiers in Microbiology, 2017, 8, 2445.	3.5	47
205	Effects of purified lignin on in vitro rumen metabolism and growth performance of feedlot cattle. Asian-Australasian Journal of Animal Sciences, 2017, 30, 392-399.	2.4	11
206	Competition during enrichment of pathogenicEscherichia colimay result in culture bias. Facets, 2017, 1, 114-126.	2.4	25
207	Changes in bacterial community composition of Escherichia coli O157:H7 super-shedder cattle occur in the lower intestine. PLoS ONE, 2017, 12, e0170050.	2.5	25
208	BOARD-INVITED REVIEW: Quantifying water use in ruminant production. Journal of Animal Science, 2017, 95, 2001.	0.5	14
209	Potential for improving fiber digestion in the rumen of cattle ( ) through microbial inoculation from bison ( ): In situ fiber degradation. Journal of Animal Science, 2017, 95, 2156.	0.5	3
210	Designer Plants for Biofuels: A Review. Current Metabolomics, 2016, 4, 49-55.	0.5	10
211	Composting for Biocontained Cattle Mortality Disposal and Associated Greenhouse Gas and Leachate Emissions. Journal of Environmental Quality, 2016, 45, 646-656.	2.0	4
212	Shiga toxin-producing Escherichia coli and current trends in diagnostics. Animal Frontiers, 2016, 6, 37-43.	1.7	9
213	Resistome diversity in cattle and the environment decreases during beef production. ELife, 2016, 5, e13195.	6.0	126
214	Inactivation of Bacillus anthracis Spores during Laboratory-Scale Composting of Feedlot Cattle Manure. Frontiers in Microbiology, 2016, 7, 806.	3.5	6
215	Fermentation of Ammonia Fiber Expansion Treated and Untreated Barley Straw in a Rumen Simulation Technique Using Rumen Inoculum from Cattle with Slow versus Fast Rate of Fiber Disappearance. Frontiers in Microbiology, 2016, 7, 1839.	3.5	22
216	Synergism of Cattle and Bison Inoculum on Ruminal Fermentation and Select Bacterial Communities in an Artificial Rumen (Rusitec) Fed a Barley Straw Based Diet. Frontiers in Microbiology, 2016, 7, 2032.	3.5	20

#	Article	IF	Citations
217	Comparative Genomic Analysis of Escherichia coli O157:H7 Isolated from Super-Shedder and Low-Shedder Cattle. PLoS ONE, 2016, 11, e0151673.	2.5	17
218	Influence of Season and Feedlot Location on Prevalence and Virulence Factors of Seven Serogroups of Escherichia coli in Feces of Western-Canadian Slaughter Cattle. PLoS ONE, 2016, 11, e0159866.	2.5	56
219	Mining the rumen for fibrolytic feed enzymes. Animal Frontiers, 2016, 6, 20-26.	1.7	53
220	Impacts of Cereal Ergot in Food Animal Production. Frontiers in Veterinary Science, 2016, 3, 15.	2.2	53
221	Evidence of Naturalized Stress-Tolerant Strains of Escherichia coli in Municipal Wastewater Treatment Plants. Applied and Environmental Microbiology, 2016, 82, 5505-5518.	3.1	61
222	Effect of silage chop length on feed intake and feeding behaviour of finishing feedlot steers. Acta Agriculturae Scandinavica - Section A: Animal Science, 2016, 66, 106-114.	0.2	1
223	Transport of Three Antimicrobials in Runoff from Windrows of Composting Beef Cattle Manure. Journal of Environmental Quality, 2016, 45, 494-502.	2.0	11
224	Antimicrobial usage and resistance in beef production. Journal of Animal Science and Biotechnology, 2016, 7, 68.	5.3	120
225	Dissipation of Antimicrobials in Feedlot Manure Compost after Oral Administration versus Fortification after Excretion. Journal of Environmental Quality, 2016, 45, 503-510.	2.0	16
226	A nutritional evaluation of common barley varieties grown for silage by beef and dairy producers in western Canada. Canadian Journal of Animal Science, 2016, 96, 598-608.	1.5	27
227	Modelling considerations in the analysis of associations between antimicrobial use and resistance in beef feedlot cattle. Epidemiology and Infection, 2016, 144, 1313-1329.	2.1	26
228	Dissipation of Antimicrobials in a Seasonally Frozen Soil after Beef Cattle Manure Application. Journal of Environmental Quality, 2016, 45, 1644-1651.	2.0	7
229	Biofilm Formation, Virulence Gene Profiles, and Antimicrobial Resistance of Nine Serogroups of Non-O157 Shiga Toxinâ€“ProducingEscherichia coli. Foodborne Pathogens and Disease, 2016, 13, 316-324.	1.8	56
230	Heat and desiccation are the predominant factors affecting inactivation of Bacillus licheniformis and Bacillus thuringiensis spores during simulated composting. Journal of Applied Microbiology, 2016, 120, 90-98.	3.1	6
231	Effect of starch content and processing method on in situ ruminal and in vitro intestinal digestion of barley grain in beef heifers. Animal Feed Science and Technology, 2016, 216, 121-128.	2.2	16
232	Characterization of the variation in the daily excretion of faecal constituents and digestibility predictions in beef cattle fed feedlot diets using near-infrared spectroscopy. Canadian Journal of Animal Science, 2016, 96, 532-549.	1.5	9
233	Effects of an exogenous enzyme-containing inoculant on fermentation characteristics of barley silage and on growth performance of feedlot steers. Canadian Journal of Animal Science, 2016, 96, 1-10.	1.5	13
234	Influence ofLactobacillus buchnerias silage additive and forage:concentrate ratio on the growth performance, fatty acid profile inlongissimusmuscle, and meat quality of beef cattle. Canadian Journal of Animal Science, 2016, 96, 550-562.	1.5	16

#	Article	IF	Citations
235	Evaluation of canola meal derived from Brassica juncea and Brassica napus on rumen fermentation and nutrient digestibility by feedlot heifers fed finishing diets. Canadian Journal of Animal Science, 2016, 96, 342-353.	1.5	4
236	Contributions of a unique Î²-clamp to substrate recognition illuminates the molecular basis of exolysis in ferulic acid esterases. Biochemical Journal, 2016, 473, 839-849.	3.7	20
237	An evaluation of logic regression-based biomarker discovery across multiple intergenic regions for predicting host specificity in Escherichia coli. Molecular Phylogenetics and Evolution, 2016, 103, 133-142.	2.7	9
238	Feeding steers hay with extruded flaxseed together or sequentially has a profound effect on erythrocyte trans 11-18:1 (vaccenic acid). Canadian Journal of Animal Science, 2016, 96, 299-301.	1.5	6
239	In situ identification and quantification of protein-hydrolyzing ruminal bacteria associated with the digestion of barley and corn grain. Canadian Journal of Microbiology, 2016, 62, 1063-1067.	1.7	4
240	Characterization of the resistome in manure, soil and wastewater from dairy and beef production systems. Scientific Reports, 2016, 6, 24645.	3.3	112
241	Effect of purple prairie clover (Dalea purpurea Vent.) hay and its condensed tannins on growth performance, wool growth, nutrient digestibility, blood metabolites and ruminal fermentation in lambs fed total mixed rations. Animal Feed Science and Technology, 2016, 222, 100-110.	2.2	40
242	Draft Genome Sequence of an Enterococcus thailandicus Strain Isolated from Bovine Feces. Genome Announcements, 2016, 4, .	0.8	2
243	Dissipation of Antimicrobial Resistance Determinants in Composted and Stockpiled Beef Cattle Manure. Journal of Environmental Quality, 2016, 45, 528-536.	2.0	23
244	Ruminal in vitro gas production, dry matter digestibility, methane abatement potential, and fatty acid biohydrogenation of six species of microalgae. Canadian Journal of Animal Science, 2016, 96, 354-363.	1.5	26
245	Effect of in vitro techniques and exogenous feed enzymes on feed digestion. Animal Feed Science and Technology, 2016, 213, 148-152.	2.2	4
246	An evaluation of the face mask system based on short-term measurements compared with the sulfur hexafluoride (SF 6) tracer, and respiration chamber techniques for measuring CH 4 emissions. Animal Feed Science and Technology, 2016, 216, 49-57.	2.2	18
247	The case for plant-made veterinary immunotherapeutics. Biotechnology Advances, 2016, 34, 597-604.	11.7	46
248	Extended-Spectrum-Cephalosporin Resistance Genes in Escherichia coli from Beef Cattle. Antimicrobial Agents and Chemotherapy, 2016, 60, 1162-1163.	3.2	18
249	Comparative Genomic Analysis of Mannheimia haemolytica from Bovine Sources. PLoS ONE, 2016, 11, e0149520.	2.5	41
250	Comparative Transcriptomic Analysis of Rectal Tissue from Beef Steers Revealed Reduced Host Immunity in Escherichia coli O157:H7 Super-Shedders. PLoS ONE, 2016, 11, e0151284.	2.5	18
251	Bacterial and Archaeal Diversity in the Gastrointestinal Tract of the North American Beaver (Castor) Tj ETQq1 1 0.784314 rgBT /Overlo	2.5	35
252	The complete genome sequence of the rumen methanogen Methanosarcina barkeri CM1. Standards in Genomic Sciences, 2015, 10, 57.	1.5	42

#	Article	IF	Citations
253	Feeding subtherapeutic antimicrobials to low-risk cattle does not confer consistent performance benefits. Canadian Journal of Animal Science, 2015, 95, 589-597.	1.5	10
254	Effect of grain type and processing index on growth performance, carcass quality, feeding behavior, and stress response of feedlot steers1. Journal of Animal Science, 2015, 93, 3091-3100.	0.5	27
255	RUMINANT NUTRITION SYMPOSIUM: Use of genomics and transcriptomics to identify strategies to lower ruminal methanogenesis1,2,3. Journal of Animal Science, 2015, 93, 1431-1449.	0.5	52
256	Comparative analysis of multiple inducible phages from Mannheimia haemolytica. BMC Microbiology, 2015, 15, 175.	3.3	18
257	The scope for manipulating the polyunsaturated fatty acid content of beef: a review. Journal of Animal Science and Biotechnology, 2015, 6, 29.	5.3	83
258	2015, 78, 1434-1441.	1.7	18
259	Comparative accessory gene fingerprinting of surface water Escherichia coli reveals genetically diverse naturalized population. Journal of Applied Microbiology, 2015, 119, 263-277.	3.1	31
260	Compost biodegradation of recalcitrant hoof keratin by bacteria and fungi. Journal of Applied Microbiology, 2015, 119, 425-434.	3.1	4
261	Condensed Tannins in Sainfoin: Composition, Concentration, and Effects on Nutritive and Feeding Value of Sainfoin Forage. Crop Science, 2015, 55, 13-22.	1.8	66
262	Effect of in-feed administration and withdrawal of tylosin phosphate on antibiotic resistance in enterococci isolated from feedlot steers. Frontiers in Microbiology, 2015, 6, 483.	3.5	51
263	Improvement in Saccharification Yield of Mixed Rumen Enzymes by Identification of Recalcitrant Cell Wall Constituents Using Enzyme Fingerprinting. BioMed Research International, 2015, 2015, 1-13.	1.9	6
264	Fatty acid composition of beef steers as affected by diet and fat depot. South African Journal of Animal Sciences, 2015, 45, 386.	0.5	10
265	Beef cattle husbandry practices across Ecoregions of Canada in 2011. Canadian Journal of Animal Science, 2015, 95, 305-321.	1.5	34
266	Agronomic characteristics, silage quality, intake and digestibility of five new Brazilian sorghum cultivars. Journal of Agricultural Science, 2015, 153, 371-380.	1.3	7
267	Feces of feedlot cattle contain a diversity of bacteriophages that lyse non-O157 Shiga toxin-producing Escherichia coli. Canadian Journal of Microbiology, 2015, 61, 467-475.	1.7	21
268	Inactivation of Escherichia coli O157 Bacteriophages by Using a Mixture of Ferrous Sulfate and Tea Extract. Journal of Food Protection, 2015, 78, 2220-2226.	1.7	8
269	Impacts of sporulation temperature, exposure to compost matrix and temperature on survival of Bacillus cereus spores during livestock mortality composting. Journal of Applied Microbiology, 2015, 118, 989-997.	3.1	7
270	Protein can be taken up by damaged wheat roots and transported to the stem. Journal of Plant Biology, 2015, 58, 1-7.	2.1	3

#	Article	IF	Citations
271	Bioaugmentation with an anaerobic fungus in a two-stage process for biohydrogen and biogas production using corn silage and cattail. Bioresource Technology, 2015, 185, 79-88.	9.6	104
272	Effects of purple prairie clover (Dalea purpurea Vent.) on feed intake, nutrient digestibility and faecal shedding of Escherichia coli O157:H7 in lambs. Animal Feed Science and Technology, 2015, 207, 51-61.	2.2	18
273	Impact of ferulic acid esterase producing lactobacilli and fibrolytic enzymes on conservation characteristics, aerobic stability and fiber degradability of barley silage. Animal Feed Science and Technology, 2015, 207, 62-74.	2.2	38
274	Control of Escherichia coli O157 on beef at 37, 22 and 4ÂÂ°C by T5-, T1-, T4-and O1-like bacteriophages. Food Microbiology, 2015, 51, 69-73.	4.2	42
275	The nasopharyngeal microbiota of feedlot cattle that develop bovine respiratory disease. Veterinary Microbiology, 2015, 180, 90-95.	1.9	88
276	In situidentification and quantification of starch-hydrolyzing bacteria attached to barley and corn grain in the rumen of cows fed barley-based diets. FEMS Microbiology Ecology, 2015, 91, fiv077.	2.7	21
277	Expeditious screening of candidate proteins for microbial vaccines. Journal of Microbiological Methods, 2015, 116, 53-59.	1.6	5
278	Effect of replacing barley with wheat grain in finishing feedlot diets on nutrient digestibility, rumen fermentation, bacterial communities and plasma metabolites in beef steers. Livestock Science, 2015, 176, 104-110.	1.6	11
279	Transport of three veterinary antimicrobials from feedlot pens via simulated rainfall runoff. Science of the Total Environment, 2015, 521-522, 191-199.	8.0	24
280	Short Communication: The effect of seed hardness and malting characteristics on in situ dry matter digestibility of barley grain in beef heifers. Canadian Journal of Animal Science, 2015, 95, 299-303.	1.5	2
281	Considerations in the use of fluorescence in situ hybridization (FISH) and confocal laser scanning microscopy to characterize rumen methanogens and define their spatial distributions. Canadian Journal of Microbiology, 2015, 61, 417-428.	1.7	23
282	Mannheimia haemolytica in Feedlot Cattle: Prevalence of Recovery and Associations with Antimicrobial Use, Resistance, and Health Outcomes. Journal of Veterinary Internal Medicine, 2015, 29, 705-713.	1.6	56
283	In vitro ruminal fermentation of ground and dry-rolled barley grain differing in starch content. Animal Feed Science and Technology, 2015, 203, 88-94.	2.2	12
284	Effects of essential oils from African basil on fermentation ofAndropogon gayanusgrass in the Artificial Rumen (RUSITEC). Canadian Journal of Animal Science, 2015, 95, 425-431.	1.5	0
285	Application of protein misfolding cyclic amplification to detection of prions in anaerobic digestate. Journal of Microbiological Methods, 2015, 118, 1-6.	1.6	0
286	Relative responses of new malting barley cultivars to increasing nitrogen rates in western Canada. Canadian Journal of Plant Science, 2015, 95, 831-839.	0.9	13
287	Methane production and energy partitioning in sheep fedAndropogon gayanusgrass ensiled at three regrowth stages. Canadian Journal of Animal Science, 2015, 95, 103-110.	1.5	7
288	Bringing plant-based veterinary vaccines to market: Managing regulatory and commercial hurdles. Biotechnology Advances, 2015, 33, 1572-1581.	11.7	32

#	Article	IF	Citations
289	Complete Genome Sequence of Escherichia coli O145:NM Bacteriophage vB_EcoM_AYO145A, a New Member of O1-Like Phages. Genome Announcements, 2015, 3, .	0.8	3
290	Perspectives on Super-Shedding ofEscherichia coliO157:H7 by Cattle. Foodborne Pathogens and Disease, 2015, 12, 89-103.	1.8	78
291	In vitro gas production and dry matter digestibility of malting barley grain sown with different seeding and nitrogen fertilization rates in Canada. Animal Feed Science and Technology, 2015, 199, 146-151.	2.2	3
292	Effects of volume weight, processing method and processing index of barley grain on in situ digestibility of dry matter and starch in beef heifers. Animal Feed Science and Technology, 2015, 199, 93-103.	2.2	14
293	Effects of essential oils from medicinal plants acclimated to Benin on in vitro ruminal fermentation of Andropogon gayanus grass. Journal of the Science of Food and Agriculture, 2015, 95, 1031-1038.	3.5	10
294	Effects of diets supplemented with sunflower or flax seeds on quality and fatty acid profile of hamburgers made with perirenal or subcutaneous fat. Meat Science, 2015, 99, 123-131.	5.5	19
295	Influence of distiller's grains and condensed tannins in the diet of feedlot cattle on biohydrogen production from cattle manure. International Journal of Hydrogen Energy, 2015, 40, 6050-6058.	7.1	7
296	Antimicrobial Resistance in Escherichia coli Recovered from Feedlot Cattle and Associations with Antimicrobial Use. PLoS ONE, 2015, 10, e0143995.	2.5	57
297	Co-composting of Beef Cattle Feedlot Manure with Construction and Demolition Waste. Journal of Environmental Quality, 2014, 43, 1799-1808.	2.0	8
298	Diversity of Rumen Bacteria in Canadian Cervids. PLoS ONE, 2014, 9, e89682.	2.5	77
299	Escherichia coli O157:H7 Super-Shedder and Non-Shedder Feedlot Steers Harbour Distinct Fecal Bacterial Communities. PLoS ONE, 2014, 9, e98115.	2.5	45
300	Rapid and Accurate Detection of Bacteriophage Activity againstEscherichia coliO157:H7 by Propidium Monoazide Real-Time PCR. BioMed Research International, 2014, 2014, 1-9.	1.9	7
301	Dissipation of Three Veterinary Antimicrobials in Beef Cattle Feedlot Manure Stockpiled over Winter. Journal of Environmental Quality, 2014, 43, 1061-1070.	2.0	25
302	Runoff Losses of Excreted Chlortetracycline, Sulfamethazine, and Tylosin from Surface-Applied and Soil-Incorporated Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2014, 43, 549-557.	2.0	22
303	Intake and digestibility of sorghum (Sorghum bicolor, L. Moench) silages with different tannin contents in sheep. Revista Brasileira De Zootecnia, 2014, 43, 14-19.	0.8	7
304	Production, Nutritional Quality and <italic>In vitro</italic> Methane Production from <italic>Andropogon gayanus</italic> Grass Harvested at Different Maturities and Preserved as Hay or Silage. Asian-Australasian Journal of Animal Sciences, 2014, 27, 330-341.	2.4	21
305	Alfalfa Pasture Bloat Can Be Eliminated by Intermixing with Newly-Developed Sainfoin Population. Agronomy Journal, 2014, 106, 1470-1478.	1.8	29
306	Efficiency of protein as a nitrogen source for wheat and morphological changes in roots exposed to high protein concentrations. Canadian Journal of Plant Science, 2014, 94, 603-613.	0.9	4

#	Article	IF	Citations
307	Effects of bulk density, precision processing and processing index on in vitro ruminal fermentation of dry-rolled barley grain. Animal Feed Science and Technology, 2014, 195, 28-37.	2.2	15
308	Plant-based solutions for veterinary immunotherapeutics and prophylactics. Veterinary Research, 2014, 45, 117.	3.0	50
309	Inclusion of glycerol in forage diets increases methane production in a rumen simulation technique system. British Journal of Nutrition, 2014, 111, 829-835.	2.3	32
310	A Mixture of Lactobacillus casei, Lactobacillus lactis, and Paenibacillus polymyxa Reduces Escherichia coli O157:H7 in Finishing Feedlot Cattle. Journal of Food Protection, 2014, 77, 738-744.	1.7	13
311	Pathogens of Bovine Respiratory Disease in North American Feedlots Conferring Multidrug Resistance via Integrative Conjugative Elements. Journal of Clinical Microbiology, 2014, 52, 438-448.	3.9	145
312	Anaerobic fungi (phylumNeocallimastigomycota): advances in understanding their taxonomy, life cycle, ecology, role and biotechnological potential. FEMS Microbiology Ecology, 2014, 90, 1-17.	2.7	298
313	Effect ofPropionibacterium freudenreichiion ruminal fermentation patterns, methane production and lipid biohydrogenation of beef finishing diets containing flaxseed oil in a rumen simulation technique. Canadian Journal of Animal Science, 2014, 94, 685-695.	1.5	4
314	Can plants serve as a vector for prions causing chronic wasting disease?. Prion, 2014, 8, 136-142.	1.8	14
315	SupplementingPropionibacterium acidipropioniciP169 does not affect methane production or volatile fatty acid profiles of different diets inin vitrorumen cultures from heifers. Acta Agriculturae Scandinavica - Section A: Animal Science, 2014, 64, 170-177.	0.2	1
316	Types of Oilseed and Adipose Tissue Influence the Composition and Relationships of Polyunsaturated Fatty Acid Biohydrogenation Products in Steers Fed a Grass Hay Diet. Lipids, 2014, 49, 275-286.	1.7	7
317	MicroRNAs in bovine adipogenesis: genomic context, expression and function. BMC Genomics, 2014, 15, 137.	2.8	77
318	Feeding high concentrations of corn dried distillersâ€™ grains decreases methane, but increases nitrous oxide emissions from beef cattle production. Agricultural Systems, 2014, 127, 19-27.	6.1	36
319	Effects of grain source and monensin level on growth performance, carcass traits and fatty acid profile in feedlot beef steers. Animal Feed Science and Technology, 2014, 198, 141-150.	2.2	7
320	Fluorescence in situ hybridization probing of protozoal Entodinium spp. and their methanogenic colonizers in the rumen of cattle fed alfalfa hay or triticale straw. Journal of Applied Microbiology, 2014, 116, 14-22.	3.1	17
321	Whole flax seed and flax oil supplementation of dairy cows fed high-forage or high-concentrate diets: Effects on digestion, ruminal fermentation characteristics, protozoal populations and milk fatty acid profile. Animal Feed Science and Technology, 2014, 198, 117-129.	2.2	11
322	Further development of sample preparation and detection methods for O157 and the top 6 non-O157 STEC serogroups in cattle feces. Journal of Microbiological Methods, 2014, 105, 22-30.	1.6	63
323	Biodegradation of Prions in Compost. Environmental Science & Technology, 2014, 48, 6909-6918.	10.0	21
324	Effects of chop-length and a ferulic acid esterase-producing inoculant on fermentation and aerobic stability of barley silage, and growth performance of finishing feedlot steers. Animal Feed Science and Technology, 2014, 197, 34-46.	2.2	23

#	Article	IF	Citations
325	Biochemical and kinetic characterization of the multifunctional Î²-glucosidase/Î²-xylosidase/Î±-arabinosidase, Bgxa1. Applied Microbiology and Biotechnology, 2014, 98, 3003-3012.	3.6	31
326	Effect of low-oil corn dried distillersâ€™ grains with solubles on growth performance, carcass traits and beef fatty acid profile of feedlot cattle. Canadian Journal of Animal Science, 2014, 94, 343-347.	1.5	6
327	Effect of Propionibacterium acidipropionici P169 on growth performance and rumen metabolism of beef cattle fed a corn- and corn dried distillersâ€™ grains with solubles-based finishing diet. Canadian Journal of Animal Science, 2014, 94, 363-369.	1.5	9
328	Differing Populations of Endemic Bacteriophages in Cattle Shedding High and Low Numbers of Escherichia coli O157:H7 Bacteria in Feces. Applied and Environmental Microbiology, 2014, 80, 3819-3825.	3.1	26
329	Formulation of enzyme blends to maximize the hydrolysis of alkaline peroxide pretreated alfalfa hay and barley straw by rumen enzymes and commercial cellulases. BMC Biotechnology, 2014, 14, 31.	3.3	41
330	Expression of a fungal ferulic acid esterase in alfalfa modifies cell wall digestibility. Biotechnology for Biofuels, 2014, 7, 39.	6.2	43
331	Targeted 16S rRNA high-throughput sequencing to characterize microbial communities during composting of livestock mortalities. Journal of Applied Microbiology, 2014, 116, 1181-1194.	3.1	43
332	Estimates of genetic parameters for fatty acids in brisket adipose tissue of Canadian commercial crossbred beef steers. Meat Science, 2014, 96, 1517-1526.	5.5	22
333	Effect of dietary inclusion of triticale dried distillers' grain and oilseeds on quality and fatty acid profile of meat from feedlot steers. Meat Science, 2014, 97, 76-82.	5.5	14
334	BOARD-INVITED REVIEW: Opportunities and challenges in using exogenous enzymes to improve ruminant production. Journal of Animal Science, 2014, 92, 427-442.	0.5	99
335	Are Super-Shedder Feedlot Cattle Really Super?. Foodborne Pathogens and Disease, 2014, 11, 329-331.	1.8	21
336	Four Escherichia coli O157:H7 Phages: A New Bacteriophage Genus and Taxonomic Classification of T1-Like Phages. PLoS ONE, 2014, 9, e100426.	2.5	55
337	Including essential oils in lactating dairy cow diets: effects on methane emissions. Animal Production Science, 2014, 54, 1215.	1.3	13
338	Inactivation of infectious prions in the environment: a mini-review. Journal of Environmental Engineering and Science, 2014, 9, 125-136.	0.8	5
339	Short Communication: Variation in response to processing, in vitro gas production and fermentation of western Canadian feed barley. Canadian Journal of Animal Science, 2014, 94, 725-729.	1.5	11
340	Using a fibrolytic enzyme in barley-based diets containing wheat dried distillers grains with solubles: Ruminal fermentation, digestibility, and growth performance of feedlot steers1. Journal of Animal Science, 2014, 92, 3978-3987.	0.5	23
341	Effects of barley-based diets with 3 different rumen-degradable protein balances on performance and carcass characteristics of feedlot steers. The Professional Animal Scientist, 2014, 30, 432-443.	0.7	7
342	Effects of replacing barley grain with graded levels of wheat bran on rumen fermentation, voluntary intake and nutrient digestion in beef cattle. Canadian Journal of Animal Science, 2014, 94, 129-137.	1.5	5

#	Article	IF	Citations
343	Latent class comparison of test accuracy when evaluating antimicrobial susceptibility using disk diffusion and broth microdilution to testEscherichia coliandMannheimia haemolyticaisolates recovered from beef feedlot cattle. Epidemiology and Infection, 2014, 142, 2314-2325.	2.1	6
344	Subcutaneous Adipose Fatty Acid Profiles and Related Rumen Bacterial Populations of Steers Fed Red Clover or Grass Hay Diets Containing Flax or Sunflower-Seed. PLoS ONE, 2014, 9, e104167.	2.5	31
345	Characterization of Mannheimia haemolytica isolated from feedlot cattle that were healthy or treated for bovine respiratory disease. Canadian Journal of Veterinary Research, 2014, 78, 38-45.	0.2	29
346	Effects of hop varieties on ruminal fermentation and bacterial community in an artificial rumen (rusitec). Journal of the Science of Food and Agriculture, 2013, 93, 45-52.	3.5	19
347	Microbial communities and greenhouse gas emissions associated with the biodegradation of specified risk material in compost. Waste Management, 2013, 33, 1372-1380.	7.4	24
348	Biochemical analysis of a highly specific, pH stable xylanase gene identified from a bovine rumen-derived metagenomic library. Applied Microbiology and Biotechnology, 2013, 97, 2423-2431.	3.6	43
349	Increasing concentrations of wheat dry distillersâ€™ grains with solubles in iso-nitrogenous finishing diets reduce lamb performance. Small Ruminant Research, 2013, 114, 10-19.	1.2	8
350	Evaluation of the Feed Value for Ruminants of Blends of Corn and Wheat Distillers Dried Grains. Journal of Agricultural and Food Chemistry, 2013, 61, 4387-4395.	5.2	7
351	The production and characterization of a new active lipase from Acremonium alcalophilum using a plant bioreactor. Biotechnology for Biofuels, 2013, 6, 111.	6.2	12
352	Methodological comparisons for antimicrobial resistance surveillance in feedlot cattle. BMC Veterinary Research, 2013, 9, 216.	1.9	22
353	Effect of dried distillersâ€™ grains with solubles on enteric methane emissions and nitrogen excretion from finishing beef cattle. Canadian Journal of Animal Science, 2013, 93, 373-385.	1.5	29
354	Effect of high dietary levels of canola meal on growth performance, carcass quality and meat fatty acid profiles of feedlot cattle. Canadian Journal of Animal Science, 2013, 93, 269-280.	1.5	19
355	Effects of feeding flaxseed or sunflower-seed in high-forage diets on beef production, quality and fatty acid composition. Meat Science, 2013, 95, 98-109.	5.5	70
356	Biodiversity and composition of methanogenic populations in the rumen of cows fed alfalfa hay or triticale straw. FEMS Microbiology Ecology, 2013, 84, 302-315.	2.7	19
357	Characterization of tetracycline resistance genes in Escherichia coli isolated from feedlot cattle administered therapeutic or subtherapeutic levels of tetracycline. Canadian Journal of Microbiology, 2013, 59, 287-290.	1.7	7
358	Association analyses of DNA polymorphisms in bovine SREBP-1, LXRÎ±, FADS1 genes with fatty acid composition in Canadian commercial crossbred beef steers. Meat Science, 2013, 93, 429-436.	5.5	27
359	Effects of extracts of Humulus lupulus (hops) and Yucca schidigera applied alone or in combination with monensin on rumen fermentation and microbial populations in vitro. Journal of the Science of Food and Agriculture, 2013, 93, 2517-2522.	3.5	31
360	Effects of California chaparral plants on in vitro ruminal fermentation of forage and concentrate diet. Journal of the Science of Food and Agriculture, 2013, 93, 550-559.	3.5	5

#	Article	IF	Citations
361	Draft Genome Sequence of a Mannheimia haemolytica Serotype 6 Isolate Collected from the Nasopharynx of a Beef Calf with Bovine Respiratory Disease. Genome Announcements, 2013, 1, e0005113.	0.8	4
362	Screening of Condensed Tannins from Canadian Prairie Forages for Antiâ€“Escherichia coli O157:H7 with an Emphasis on Purple Prairie Clover (Dalea purpurea Vent). Journal of Food Protection, 2013, 76, 560-567.	1.7	31
363	Fecal Shedding in Cattle Inoculated with Escherichia coli O157:H7 and Fed Corn or Wheat Distillers' Dried Grain with Solubles. Journal of Food Protection, 2013, 76, 114-118.	1.7	3
364	Effects of crude glycerin supplementation on wool production, feeding behavior, and body condition of Merino ewes1. Journal of Animal Science, 2013, 91, 878-885.	0.5	30
365	Investigation ofMannheimia haemolyticabacteriophages relative to host diversity. Journal of Applied Microbiology, 2013, 114, 1592-1603.	3.1	9
366	Changes in the Rumen Epimural Bacterial Diversity of Beef Cattle as Affected by Diet and Induced Ruminal Acidosis. Applied and Environmental Microbiology, 2013, 79, 3744-3755.	3.1	185
367	Assessing the Inactivation of Mycobacterium avium subsp. paratuberculosis during Composting of Livestock Carcasses. Applied and Environmental Microbiology, 2013, 79, 3215-3224.	3.1	12
368	Biodegradation of specified risk material and fate of scrapie prions in compost. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 26-36.	1.7	15
369	Short Communication: Effect of condensed tannin on in vitro ruminal fermentation of purple prairie clover (Dalea purpureaVent)â€“cool-season grass mixture. Canadian Journal of Animal Science, 2013, 93, 155-158.	1.5	4
370	Evaluation of a shelf-stable direct-fed microbial for control of Escherichia coli O157 in commercial feedlot cattle. Canadian Journal of Animal Science, 2013, 93, 535-542.	1.5	9
371	Quality and precision processing of barley grain affected intake and digestibility of dry matter in feedlot steers. Canadian Journal of Animal Science, 2013, 93, 251-260.	1.5	22
372	Short Communication: Erythrocytes assayed early ante mortem can predict adipose tissue and muscletrans-18:1 isomeric profiles of steers fed red clover silage supplemented with flaxseed. Canadian Journal of Animal Science, 2013, 93, 149-153.	1.5	8
373	Precision processing barley grain did not affect productivity of lactating dairy cows. Canadian Journal of Animal Science, 2013, 93, 261-268.	1.5	4
374	Anti-Escherichia coli O157:H7 Properties of Purple Prairie Clover and Sainfoin Condensed Tannins. Molecules, 2013, 18, 2183-2199.	3.8	57
375	Effects of increasing levels of corn dried distillers grains with solubles and monensin on intake, digestion, and ruminal fermentation in beef heifers fed high-barley grain diets1. Journal of Animal Science, 2013, 91, 5390-5398.	0.5	12
376	Effects of increasing concentrations of glycerol in concentrate diets on nutrient digestibility, methane emissions, growth, fatty acid profiles, and carcass traits of lambs1. Journal of Animal Science, 2013, 91, 829-837.	0.5	60
377	Effect of dried distillers grains plus solubles on enteric methane emissions and nitrogen excretion from growing beef cattle1. Journal of Animal Science, 2013, 91, 2846-2857.	0.5	47
378	Characterization of the Core Rumen Microbiome in Cattle during Transition from Forage to Concentrate as Well as during and after an Acidotic Challenge. PLoS ONE, 2013, 8, e83424.	2.5	330

#	Article	IF	Citations
379	Effect of subtherapeutic vs. therapeutic administration of macrolides on antimicrobial resistance in Mannheimia haemolytica and enterococci isolated from beef cattle. Frontiers in Microbiology, 2013, 4, 133.	3.5	71
380	Susceptibility to tulathromycin in Mannheimia haemolytica isolated from feedlot cattle over a 3-year period. Frontiers in Microbiology, 2013, 4, 297.	3.5	28
381	New Sainfoin Populations for Bloatâ€free Alfalfa Pasture Mixtures in Western Canada. Crop Science, 2013, 53, 2283-2293.	1.8	21
382	Elucidation of Molecular Mechanisms of Physiological Variations between Bovine Subcutaneous and Visceral Fat Depots under Different Nutritional Regimes. PLoS ONE, 2013, 8, e83211.	2.5	16
383	Emergency euthanasia of cattle challenged withEscherichia coliO157:H7 - A case study for evaluating the response to an infectious disease outbreak. Journal of Veterinary Science, 2013, 14, 103.	1.3	2
384	Wheat distillers grains in feedlot cattle diets: Feeding behavior, growth performance, carcass characteristics, and blood metabolites1,2. Journal of Animal Science, 2012, 90, 1301-1310.	0.5	46
385	Effect of Exogenous Fibrolytic Enzyme Application on the Microbial Attachment and Digestion of Barley Straw In vitro. Asian-Australasian Journal of Animal Sciences, 2012, 25, 66-74.	2.4	22
386	Responses of herbage and cattle tail switch hair Î´¹⁵N value to long-term stocking rates on a rough fescue grassland. Soil Science and Plant Nutrition, 2012, 58, 326-333.	1.9	5
387	Using strains of Propionibacteria to mitigate methane emissionsin vitro. Acta Agriculturae Scandinavica - Section A: Animal Science, 2012, 62, 263-272.	0.2	11
388	Feeding flaxseed in grass hay and barley silage diets to beef cows increases alpha-linolenic acid and its biohydrogenation intermediates in subcutaneous fat1. Journal of Animal Science, 2012, 90, 592-604.	0.5	42
389	Community Structure Analysis of Methanogens Associated with Rumen Protozoa Reveals Bias in Universal Archaeal Primers. Applied and Environmental Microbiology, 2012, 78, 4051-4056.	3.1	46
390	Structures of free-living and protozoa-associated methanogen communities in the bovine rumen differ according to comparative analysis of 16S rRNA and mcrA genes. Microbiology (United Kingdom), 2012, 158, 1808-1817.	1.8	59
391	A third-generation esterase inoculant alters fermentation pattern and improves aerobic stability of barley silage and the efficiency of body weight gain of growing feedlot cattle1. Journal of Animal Science, 2012, 90, 1541-1552.	0.5	60
392	Effects of distillersâ€™ dried grains with solubles from corn, wheat or a 50:50 corn:wheat blend on performance, carcass characteristics and serum sulphate levels of feedlot steers. Canadian Journal of Animal Science, 2012, 92, 343-351.	1.5	10
393	Short Communication:Escherichia coliO157 bacteriophages: lytic activity and effects on fermentation in ruminal batch culture. Canadian Journal of Animal Science, 2012, 92, 545-550.	1.5	0
394	A fibrolytic enzyme additive for lactating Holstein cow diets: Ruminal fermentation, rumen microbial populations, and enteric methane emissions. Journal of Dairy Science, 2012, 95, 1419-1427.	3.4	64
395	Association analyses of single nucleotide polymorphisms in bovine stearoylâ€CoA desaturase and fatty acid synthase genes with fatty acid composition in commercial crossâ€bred beef steers. Animal Genetics, 2012, 43, 93-97.	1.7	53
396	Comparison of wheat or corn dried distillers grains with solubles on rumen fermentation and nutrient digestibility by feedlot heifers1. Journal of Animal Science, 2012, 90, 1291-1300.	0.5	44

#	Article	IF	Citations
397	In vitroproduction of methane with increasing levels of corn- or wheat-based dried distillers' grains with solubles in a barley silage-based diet. Acta Agriculturae Scandinavica - Section A: Animal Science, 2012, 62, 289-294.	0.2	2
398	Effect of Wheat-Based Dried Distillersâ€™ Grains with Solubles Inclusion on Barley-Based Feed Chemical Profile, Energy Values, Rumen Degradation Kinetics, and Protein Supply. Journal of Agricultural and Food Chemistry, 2012, 60, 4986-4993.	5.2	9
399	Characterization of 4 T1-like lytic bacteriophages that lyse Shiga-toxin Escherichia coli O157:H7. Canadian Journal of Microbiology, 2012, 58, 923-927.	1.7	19
400	Anaerobic digestion of chicken feather with swine manure or slaughterhouse sludge for biogas production. Waste Management, 2012, 32, 404-409.	7.4	54
401	Frothy bloat in ruminants: Cause, occurrence, and mitigation strategies. Animal Feed Science and Technology, 2012, 172, 103-114.	2.2	59
402	Substitution of wheat dried distillers grains with solubles for barley silage and barley grain in a finishing diet increases polyunsaturated fatty acids including linoleic and alpha-linolenic acids in beef. Animal Feed Science and Technology, 2012, 175, 114-120.	2.2	20
403	Effect of condensed tannins on ruminal degradability of purple prairie clover (Dalea purpurea Vent.) harvested at two growth stages. Animal Feed Science and Technology, 2012, 176, 17-25.	2.2	29
404	Near infrared reflectance spectroscopy predicts the content of polyunsaturated fatty acids and biohydrogenation products in the subcutaneous fat of beef cows fed flaxseed. Meat Science, 2012, 90, 43-51.	5.5	37
405	Beef quality attributes as affected by increasing the intramuscular levels of vitamin E and omega-3 fatty acids. Meat Science, 2012, 90, 764-769.	5.5	60
406	Relative diversity and community structure analysis of rumen protozoa according to T-RFLP and microscopic methods. Journal of Microbiological Methods, 2012, 88, 1-6.	1.6	34
407	High-throughput species identification of enterococci using pyrosequencing. Journal of Microbiological Methods, 2012, 89, 174-178.	1.6	18
408	Endemic bacteriophages: a cautionary tale for evaluation of bacteriophage therapy and other interventions for infection control in animals. Virology Journal, 2012, 9, 207.	3.4	24
409	Cloning and identification of novel hydrolase genes from a dairy cow rumen metagenomic library and characterization of a cellulase gene. BMC Research Notes, 2012, 5, 566.	1.4	60
410	Life-cycle assessment of greenhouse gas emissions from dairy production in Eastern Canada: A case study. Journal of Dairy Science, 2012, 95, 5164-5175.	3.4	92
411	Synthesis of O-serogroup specific positive controls and real-time PCR standards for nine clinically relevant non-O157 STECs. Journal of Microbiological Methods, 2012, 91, 52-56.	1.6	4
412	Use of thermal imaging and the in situ technique to assess the impact of an inoculant with feruloyl esterase activity on the aerobic stability and digestibility of barley silage. Canadian Journal of Animal Science, 2012, 92, 381-394.	1.5	16
413	Genomic, Proteomic and Physiological Characterization of a T5-like Bacteriophage for Control of Shiga Toxin-Producing Escherichia coli O157:H7. PLoS ONE, 2012, 7, e34585.	2.5	64
414	Triticale Dried Distillers' Grain Increases Alphaâ€Linolenic Acid in Subcutaneous Fat of Beef Cattle Fed Oilseeds. Lipids, 2012, 47, 1209-1220.	1.7	10

#	Article	IF	Citations
415	Effects of different oils and plant extracts onin vitroruminal methane production. Acta Agriculturae Scandinavica - Section A: Animal Science, 2012, 62, 300-304.	0.2	1
416	Genetic diversity and antimicrobial resistance among isolates of Escherichia coli O157: H7 from feces and hides of super-shedders and low-shedding pen-mates in two commercial beef feedlots. BMC Veterinary Research, 2012, 8, 178.	1.9	18
417	Altered MicroRNA Expression in Bovine Subcutaneous and Visceral Adipose Tissues from Cattle under Different Diet. PLoS ONE, 2012, 7, e40605.	2.5	46
418	Effects of wheat or corn distillers dried grains with solubles on feedlot performance, fecal shedding, and persistence of Escherichia coli O157:H7. Journal of Animal Science, 2012, 90, 2802-2810.	0.5	7
419	Methane Production of Different Forages in In vitro Ruminal Fermentation. Asian-Australasian Journal of Animal Sciences, 2012, 25, 86-91.	2.4	90
420	Role of livestock in microbiological contamination of water: Commonly the blame, but not always the source. Animal Frontiers, 2012, 2, 17-27.	1.7	38
421	Evaluation of rumen fatty acid hydrogenation intermediates and differences in bacterial communities after feeding wheat- or corn-based dried distillers grains to feedlot cattle1. Journal of Animal Science, 2012, 90, 2699-2709.	0.5	14
422	In situidentification of carboxymethyl cellulose-digesting bacteria in the rumen of cattle fed alfalfa or triticale. FEMS Microbiology Ecology, 2012, 80, 159-167.	2.7	15
423	Identity and diversity of archaeal communities during anaerobic co-digestion of chicken feathers and other animal wastes. Bioresource Technology, 2012, 110, 111-119.	9.6	51
424	Characterization of rumen bacterial diversity and fermentation parameters in concentrate fed cattle with and without forage. Journal of Applied Microbiology, 2012, 112, 1152-1162.	3.1	101
425	Periodic 48 h feed withdrawal improves glucose tolerance in growing pigs by enhancing adipogenesis and lipogenesis. Nutrition and Metabolism, 2012, 9, 10.	3.0	2
426	Effects of cinnamon leaf, oregano and sweet orange essential oils on fermentation and aerobic stability of barley silage. Journal of the Science of Food and Agriculture, 2012, 92, 906-915.	3.5	27
427	Review: Ammonia emissions from dairy farms and beef feedlots. Canadian Journal of Animal Science, 2011, 91, 1-35.	1.5	296
428	Manure Nutrient Management. , 2011, , 726-729.		0
429	Nitrogen transformations and greenhouse gas emissions during composting of manure from cattle fed diets containing corn dried distillers grains with solubles and condensed tannins. Animal Feed Science and Technology, 2011, 166-167, 539-549.	2.2	28
430	Effects of vitamin E and flaxseed on rumen-derived fatty acid intermediates in beef intramuscular fat. Meat Science, 2011, 88, 434-440.	5.5	69
431	The effects of feeding flaxseed to beef cows given forage based diets on fatty acids of longissimus thoracis muscle and backfat. Meat Science, 2011, 89, 469-477.	5.5	69
432	Use of model super-shedders to define the role of pen floor and hide contamination in the transmission of Escherichia coli O157:H71. Journal of Animal Science, 2011, 89, 237-244.	0.5	14

#	Article	IF	Citations
433	Realâ€Time Quantification of mcrA, pmoA for Methanogen, Methanotroph Estimations during Composting. Journal of Environmental Quality, 2011, 40, 199-205.	2.0	20
434	Relationship between feeding behavior and performance of feedlot steers fed barley-based diets12. Journal of Animal Science, 2011, 89, 1180-1192.	0.5	33
435	Feeding behavior and ruminal acidosis in beef cattle offered a total mixed ration or dietary components separately1. Journal of Animal Science, 2011, 89, 520-530.	0.5	48
436	Condensed tannin concentrations found in vegetative and mature forage legumes grown in western Canada. Canadian Journal of Plant Science, 2011, 91, 669-675.	0.9	51
437	Effect of flaxseed and forage type on carcass and meat quality of finishing cull cows. Canadian Journal of Animal Science, 2011, 91, 613-622.	1.5	13
438	Performance, feeding behaviour and rumen pH profile of beef cattle fed corn silage in combination with barley grain, corn or wheat distillersâ€™ grain or wheat middlings. Canadian Journal of Animal Science, 2011, 91, 703-710.	1.5	7
439	Removal of supplemental vitamin A from barley-based diets improves marbling in feedlot heifers. Canadian Journal of Animal Science, 2011, 91, 669-674.	1.5	10
440	Chemical characterization and in vitro fermentation ofBrassicastraw treated with the aerobic fungus,Trametes versicolor. Canadian Journal of Animal Science, 2011, 91, 695-702.	1.5	13
441	Greenhouse Gas Emissions from Cattle Feedlot Manure Composting and Anaerobic Digestion as a Potential Mitigation Strategy. ACS Symposium Series, 2011, , 419-441.	0.5	3
442	Veterinary Antimicrobials in Feedlot Manure: Dissipation during Composting and Effects on Composting Processes. Journal of Environmental Quality, 2011, 40, 188-198.	2.0	47
443	Isolation and characterization of a ferulic acid esterase (Fae1A) from the rumen fungus Anaeromyces mucronatus. Journal of Applied Microbiology, 2011, 110, 1341-1350.	3.1	35
444	Prevalence and diversity of class 1 integrons and resistance genes in antimicrobial-resistant Escherichia coli originating from beef cattle administered subtherapeutic antimicrobials. Journal of Applied Microbiology, 2011, 111, 511-523.	3.1	19
445	Relationship between rumen methanogens and methane production in dairy cows fed diets supplemented with a feed enzyme additive. Journal of Applied Microbiology, 2011, 111, 1148-1158.	3.1	79
446	In situ identification of keratin-hydrolyzing organisms in swine manure inoculated anaerobic digesters. FEMS Microbiology Ecology, 2011, 78, 451-462.	2.7	12
447	Genetic characterization and antimicrobial susceptibility of Mannheimia haemolytica isolated from the nasopharynx of feedlot cattle. Veterinary Microbiology, 2011, 149, 390-398.	1.9	71
448	Distribution and characterization of ampicillin- and tetracycline-resistant Escherichia colifrom feedlot cattle fed subtherapeutic antimicrobials. BMC Microbiology, 2011, 11, 78.	3.3	31
449	Biological pretreatment with a cellobiose dehydrogenase-deficient strain of Trametes versicolor enhances the biofuel potential of canola straw. Bioresource Technology, 2011, 102, 10020-10027.	9.6	45
450	Greenhouse gas emissions when composting manure from cattle fed wheat dried distillersâ€™ grains with solubles. Nutrient Cycling in Agroecosystems, 2011, 89, 105-114.	2.2	17

#	Article	IF	Citations
451	Inclusion of antibiotics in feed alters greenhouse gas emissions from feedlot manure during composting. Nutrient Cycling in Agroecosystems, 2011, 89, 257-267.	2.2	6
452	Biodegradation of specified risk material and characterization of actinobacterial communities in laboratory-scale composters. Biodegradation, 2011, 22, 1029-1043.	3.0	5
453	Paenibacillus polymyxa JB05-01-1 and its perspectives for food conservation and medical applications. Archives of Microbiology, 2011, 193, 169-177.	2.2	10
454	Protection of mice against enterotoxigenic E. coli by immunization with a polyvalent enterotoxin comprising a combination of LTB, STa, and STb. Applied Microbiology and Biotechnology, 2011, 89, 1885-1893.	3.6	26
455	Inclusion of Flaxseed in Hay- and Barley Silage Diets Increases Alpha-Linolenic Acid in Cow Plasma Independent of Forage Type. Lipids, 2011, 46, 577-585.	1.7	10
456	Longitudinal characterization of antimicrobial resistance genes in feces shed from cattle fed different subtherapeutic antibiotics. BMC Microbiology, 2011, 11, 19.	3.3	70
457	Field scale evaluation of bovine-specific DNA as an indicator of tissue degradation during cattle mortality composting. Bioresource Technology, 2011, 102, 4800-4806.	9.6	8
458	Biofuel By-Products: Use of Glycerol in Ruminants. , 2011, , 1-7.		0
459	Isolation of high-quality total RNA from rumen anaerobic bacteria and fungi, and subsequent detection of glycoside hydrolases. Canadian Journal of Microbiology, 2011, 57, 590-598.	1.7	27
460	Effect of Environmental Factors and Influence of Rumen and Hindgut Biogeography on Bacterial Communities in Steers. Applied and Environmental Microbiology, 2011, 77, 258-268.	3.1	48
461	Viability of Bacillus licheniformis and Bacillus thuringiensis Spores as a Model for Predicting the Fate of Bacillus anthracis Spores during Composting of Dead Livestock. Applied and Environmental Microbiology, 2011, 77, 1588-1592.	3.1	17
462	Comparison of the fermentation characteristics, aerobic stability and nutritive value of barley and corn silages ensiled with or without a mixed bacterial inoculant. Canadian Journal of Animal Science, 2011, 91, 133-146.	1.5	64
463	Review: The use of direct fed microbials to mitigate pathogens and enhance production in cattle. Canadian Journal of Animal Science, 2011, 91, 193-211.	1.5	170
464	Effect of low and high oil corn distillers' grain on rumen fermentation, growth performance and carcass characteristics of lambs. Animal Production Science, 2011, 51, 708.	1.3	7
465	Substitution of wheat dried distillers grains with solubles for barley grain or barley silage in feedlot cattle diets: Intake, digestibility, and ruminal fermentation1. Journal of Animal Science, 2011, 89, 2491-2501.	0.5	50
466	Snapshot of the Eukaryotic Gene Expression in Muskoxen Rumenâ€"A Metatranscriptomic Approach. PLoS ONE, 2011, 6, e20521.	2.5	113
467	Effects of Homolactic Bacterial Inoculant Alone or Combined with an Anionic Surfactant on Fermentation, Aerobic Stability and In situ Ruminal Degradability of Barley Silage. Asian-Australasian Journal of Animal Sciences, 2011, 24, 369-378.	2.4	19
468	Effects of Micronization on the In situ and In vitro Digestion of Cereal Grains. Asian-Australasian Journal of Animal Sciences, 2011, 24, 929-939.	2.4	25

#	Article	IF	Citations
469	Effect of Triticale Dried Distillers Grains with Solubles on Ruminal Bacterial Populations as Revealed by Real Time Polymerase Chain Reaction. Asian-Australasian Journal of Animal Sciences, 2011, 24, 1552-1559.	2.4	2
470	Dry Matter Digestion Kinetics of Two Varieties of Barley Grain Sown with Different Seeding and Nitrogen Fertilization Rates in Four Different Sites Across Canada. Asian-Australasian Journal of Animal Sciences, 2011, 24, 965-973.	2.4	5
471	Effects of Moisture and a Saponin-based Surfactant during Barley Processing on Growth Performance and Carcass Quality of Feedlot Steers and on In vitro Ruminal Fermentation. Asian-Australasian Journal of Animal Sciences, 2011, 24, 1690-1698.	2.4	2
472	Effects of replacing barley grain with triticale-based dried distillersâ€™ grains with solubles on nutrient digestibility, lamb growth performance and carcass traits. Canadian Journal of Animal Science, 2010, 90, 87-98.	1.5	14
473	Evaluation of wheat or corn dried distillersâ€™ grains with solubles on performance and carcass characteristics of feedlot steers. Canadian Journal of Animal Science, 2010, 90, 259-269.	1.5	46
474	Biocontained Carcass Composting for Control of Infectious Disease Outbreak in Livestock. Journal of Visualized Experiments, 2010, , .	0.3	6
475	Pain mitigation after band castration of beef calves and its effects on performance, behavior, Escherichia coli, and salivary cortisol1. Journal of Animal Science, 2010, 88, 802-810.	0.5	91
476	Dietary vitamin E inhibits the trans 10-18:1 shift in beef backfat. Canadian Journal of Animal Science, 2010, 90, 9-12.	1.5	29
477	Adjusting roller settings based on kernel size increased ruminal starch digestibility of dry-rolled barley grain in cattle. Canadian Journal of Animal Science, 2010, 90, 275-278.	1.5	8
478	Using manure from cattle fed dried distillersâ€™ grains with solubles (DDGS) as fertilizer: Effects on nutrient accumulation in soil and uptake by barley. Agriculture, Ecosystems and Environment, 2010, 139, 720-727.	5.3	11
479	Farm-to-fork characterization of Escherichia coli associated with feedlot cattle with a known history of antimicrobial use. International Journal of Food Microbiology, 2010, 137, 40-48.	4.7	60
480	Biodegradation of genetically modified seeds and plant tissues during composting. Journal of the Science of Food and Agriculture, 2010, 90, 650-657.	3.5	8
481	A modified spectrophotometric assay to estimate deglycosylation of steroidal saponin to sapogenin by mixed ruminal microbes. Journal of the Science of Food and Agriculture, 2010, 90, 1811-1818.	3.5	10
482	Fermentation characteristics of corn-, triticale-, and wheat-based dried distillers' grains with solubles in barley-based diets determined using continuous and batch culture systems. Journal of the Science of Food and Agriculture, 2010, 90, 2074-2082.	3.5	17
483	Biohydrogen production from specified risk materials co-digested with cattle manure. International Journal of Hydrogen Energy, 2010, 35, 1099-1105.	7.1	23
484	Anaerobic digestion of specified risk materials with cattle manure for biogas production. Bioresource Technology, 2010, 101, 5780-5785.	9.6	26
485	Characterization of antimicrobial resistance and seasonal prevalence ofEscherichia coliO157:H7 recovered from commercial feedlots in Alberta, Canada. Letters in Applied Microbiology, 2010, 50, 320-326.	2.2	20
486	Cryptosporidium andersoniin Western Australian feedlot cattle. Australian Veterinary Journal, 2010, 88, 458-460.	1.1	22

#	Article	IF	Citations
487	Feeding wheat dried distillers grains with solubles improves beef trans and conjugated linoleic acid profiles1. Journal of Animal Science, 2010, 88, 1842-1847.	0.5	39
488	Oral Delivery Systems for Encapsulated Bacteriophages Targeted at O157:H7 in Feedlot Cattle. Journal of Food Protection, 2010, 73, 1304-1312.	1.7	110
489	Molecular, Biochemical and Genetic Characteristics of BSE in Canada. PLoS ONE, 2010, 5, e10638.	2.5	50
490	Evaluation of triticale dried distillers grains with solubles as a substitute for barley grain and barley silage in feedlot finishing diets1. Journal of Animal Science, 2010, 88, 3018-3029.	0.5	42
491	Effect of Rumen Protozoa on Escherichia coli O157:H7 in the Rumen and Feces of Specifically Faunated Sheep. Journal of Food Protection, 2010, 73, 2197-2202.	1.7	7
492	An Improved Design for Biocontained Composting of Cattle Mortalities. Compost Science and Utilization, 2010, 18, 32-41.	1.2	18
493	Assessment of Microbial Communities In Decomposition of Specified Risk Material Using a Passively Aerated Laboratory-Scale Composter. Compost Science and Utilization, 2010, 18, 255-265.	1.2	14
494	Prolonged Survival of Campylobacter Species in Bovine Manure Compost. Applied and Environmental Microbiology, 2010, 76, 1110-1119.	3.1	64
495	Survival of Escherichia coli O157:H7 in ruminal or fecal contents incubated with corn or wheat dried distillersâ€™ grains with solubles. Canadian Journal of Microbiology, 2010, 56, 890-895.	1.7	8
496	Effects of corn-, wheat- or triticale dry distillersâ€™ grains with solubles on in vitro fermentation, growth performance and carcass traits of lambs. Canadian Journal of Animal Science, 2010, 90, 99-108.	1.5	32
497	Anti-Escherichia coliO157:H7 activity of free fatty acids under varying pH. Canadian Journal of Microbiology, 2010, 56, 263-267.	1.7	17
498	Comparison of repetitive PCR and pulsed-field gel electrophoresis for the genotyping of Mannheimia haemolytica. Journal of Microbiological Methods, 2010, 81, 39-47.	1.6	11
499	Comparison of wheat- versus corn-based dried distillersâ€™ grains with solubles on meat quality of feedlot cattle. Meat Science, 2010, 84, 569-577.	5.5	46
500	Life cycle assessment of greenhouse gas emissions from beef production in western Canada: A case study. Agricultural Systems, 2010, 103, 371-379.	6.1	299
501	Differences in the trans-18:1 profile of the backfat of feedlot steers fed wheat or corn based dried distillersâ€™ grains. Animal Feed Science and Technology, 2010, 157, 168-172.	2.2	22
502	Effect of a direct-fed microbial on animal performance, carcass characteristics and the shedding of Escherichia coli O157 by feedlot cattle. Animal Feed Science and Technology, 2010, 158, 65-72.	2.2	20
503	Effects of nonstructural carbohydrate concentration in alfalfa on fermentation and microbial protein synthesis in continuous culture. Journal of Dairy Science, 2010, 93, 693-700.	3.4	44
504	Factors influencing the persistence ofEscherichia coliO157:H7 lineages in feces from cattle fed grain versus grass hay diets. Canadian Journal of Microbiology, 2010, 56, 667-675.	1.7	13

#	Article	IF	Citations
505	Screening for Compounds Enhancing Fibre Degradation. , 2010, , 87-105.		4
506	Selected Antimicrobial Resistance during Composting of Manure from Cattle Administered Subâ€Therapeutic Antimicrobials. Journal of Environmental Quality, 2009, 38, 567-575.	2.0	68
507	Escherichia coli O157:H7 Lineages in Healthy Beef and Dairy Cattle and Clinical Human Cases in Alberta, Canada. Journal of Food Protection, 2009, 72, 601-607.	1.7	22
508	Perineal swabs reveal effect of super shedders on the transmission of Escherichia coli O157:H7 in commercial feedlots1. Journal of Animal Science, 2009, 87, 4151-4160.	0.5	53
509	A Biosecure Composting System for Disposal of Cattle Carcasses and Manure Following Infectious Disease Outbreak. Journal of Environmental Quality, 2009, 38, 437-450.	2.0	67
510	Oral and Rectal Administration of Bacteriophages for Control of Escherichia coli O157:H7 in Feedlot Cattle. Journal of Food Protection, 2009, 72, 241-250.	1.7	87
511	Behavior of feedlot cattle affects voluntary oral and physical interactions with manila ropes1. Journal of Animal Science, 2009, 87, 296-303.	0.5	10
512	Longitudinal Characterization of Resistant Escherichia coli in Fecal Deposits from Cattle Fed Subtherapeutic Levels of Antimicrobials. Applied and Environmental Microbiology, 2009, 75, 7125-7134.	3.1	33
513	Potential To Reduce Escherichia coli Shedding in Cattle Feces by Using Sainfoin (Onobrychis) Tj ETQq1 1 0.784314 rgBT /O 1074-1079.	3.1	25
514	Escherichia coli O157:H7 Strain Origin, Lineage, and Shiga Toxin 2 Expression Affect Colonization of Cattle. Applied and Environmental Microbiology, 2009, 75, 5074-5081.	3.1	32
515	Actinomadura keratinilytica sp. nov., a keratin-degrading actinobacterium isolated from bovine manure compost. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 828-834.	1.7	36
516	In vitro effects of phlorotannins from Ascophyllum nodosum (brown seaweed) on rumen bacterial populations and fermentation. Journal of the Science of Food and Agriculture, 2009, 89, 2252-2260.	3.5	63
517	Greenhouse gas emissions and final compost properties from co-composting bovine specified risk material and mortalities with manure. Nutrient Cycling in Agroecosystems, 2009, 83, 289-299.	2.2	13
518	Effect of a Seaweed Extract on Fatty Acid Accumulation and Glycerolâ€3â€Phosphate Dehydrogenase Activity in 3T3â€L1 Adipocytes. Lipids, 2009, 44, 125-132.	1.7	27
519	Host range and lytic capability of four bacteriophages against bovine and clinical human isolates of Shiga toxin-producingEscherichia coliO157:H7. Journal of Applied Microbiology, 2009, 107, 646-656.	3.1	61
520	Purification of polymerase chain reaction (PCR)-amplifiable DNA from compost piles containing bovine mortalities. Bioresource Technology, 2009, 100, 3343-3349.	9.6	14
521	Use of Quantitative and Conventional PCR to Assess Biodegradation of Bovine and Plant DNA during Cattle Mortality Composting. Environmental Science & Technology, 2009, 43, 6248-6255.	10.0	11
522	Prion protein detection via direct immuno-quantitative real-time PCR. Journal of Microbiological Methods, 2009, 78, 307-311.	1.6	16

#	Article	IF	Citations
523	Use of real-time PCR to predict dry matter disappearance of individual feeds in a total mixed ration. Animal Feed Science and Technology, 2009, 149, 240-249.	2.2	4
524	Feeding saponin-containing Yucca schidigera and Quillaja saponaria to decrease enteric methane production in dairy cows. Journal of Dairy Science, 2009, 92, 2809-2821.	3.4	155
525	Prevalence and Impact of Bacteriophages on the Presence of Escherichia coli O157:H7 in Feedlot Cattle and Their Environment. Applied and Environmental Microbiology, 2009, 75, 1271-1278.	3.1	45
526	Characterization of tetracycline- and ampicillin-resistant Escherichia coli isolated from the feces of feedlot cattle over the feeding period. Canadian Journal of Microbiology, 2009, 55, 750-761.	1.7	6
527	Recovery of antimicrobial-resistantEscherichia coliafter storage of bovine feces in Caryâ€“Blair medium. Canadian Journal of Microbiology, 2009, 55, 1224-1227.	1.7	3
528	Biocontained Mortality Compost Using Liquid Manure. Compost Science and Utilization, 2009, 17, 158-165.	1.2	5
529	Effects of purified lignin on in vitro ruminal fermentation and growth performance, carcass traits and fecal shedding of Escherichia coli by feedlot lambs. Animal Feed Science and Technology, 2009, 151, 21-31.	2.2	13
530	Effects of Dried Distillers' Grains with Solubles (Wheatâ€Based) in Feedlot Cattle Diets on Feces and Manure Composition. Journal of Environmental Quality, 2009, 38, 1709-1718.	2.0	34
531	Impact of a mixed culture of Lactobacillus casei and L. lactis on in vitro ruminal fermentation and the growth of feedlot steers fed barley-based diets. Canadian Journal of Animal Science, 2009, 89, 263-271.	1.5	10
532	Use of whole oat in feedlot diets. Canadian Journal of Animal Science, 2009, 89, 415-417.	1.5	1
533	Bacteriophages reduce Escherichia coli O157:H7 levels in experimentally inoculated sheep. Canadian Journal of Animal Science, 2009, 89, 285-293.	1.5	22
534	Sensitivity of Escherichia coli to Seaweed (Ascophyllum nodosum) Phlorotannins and Terrestrial Tannins. Asian-Australasian Journal of Animal Sciences, 2009, 22, 238-245.	2.4	90
535	Effect of Garlic Oil on Fatty Acid Accumulation and Glycerol-3-Phosphate Dehydrogenase Activity in Differentiating Adipocytes. Asian-Australasian Journal of Animal Sciences, 2009, 22, 1686-1692.	2.4	1
536	Evidence of Increased Diversity of Methanogenic Archaea with Plant Extract Supplementation. Microbial Ecology, 2008, 56, 234-242.	2.8	107
537	Effect of fibrolytic enzymes and an inoculant on in vitro degradability and gas production of lowâ€dry matter alfalfa silage. Journal of the Science of Food and Agriculture, 2008, 88, 2568-2575.	3.5	29
538	A multiplex polymerase chain reaction assay for the identification of Mannheimia haemolytica, Mannheimia glucosida and Mannheimia ruminalis. Veterinary Microbiology, 2008, 130, 165-175.	1.9	35
539	Effects of essential oils on proteolytic, deaminative and methanogenic activities of mixed ruminal bacteria. Canadian Journal of Animal Science, 2008, 88, 117-122.	1.5	93
540	Effects of phlorotannins from Ascophyllum nodosum (brown seaweed) on in vitro ruminal digestion of mixed forage or barley grain. Animal Feed Science and Technology, 2008, 145, 375-395.	2.2	104

#	Article	IF	Citations
541	A review of plant-derived essential oils in ruminant nutrition and production. Animal Feed Science and Technology, 2008, 145, 209-228.	2.2	396
542	Effects of carvacrol and cinnamaldehyde on intake, rumen fermentation, growth performance, and carcass characteristics of growing lambs. Animal Feed Science and Technology, 2008, 145, 396-408.	2.2	89
543	Distribution of sulfamethazine, chlortetracycline and tylosin in manure and soil of Canadian feedlots after subtherapeutic use in cattle. Environmental Pollution, 2008, 156, 1243-1251.	7.5	184
544	Digestion, Ruminal Fermentation, Ciliate Protozoal Populations, and Milk Production from Dairy Cows Fed Cinnamaldehyde, Quebracho Condensed Tannin, or Yucca schidigera Saponin Extracts. Journal of Dairy Science, 2008, 91, 4765-4777.	3.4	172
545	Greenhouse gas mitigation in agriculture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 789-813.	4.0	1,739
546	Heterogeneity in enterohemorrhagicEscherichia coliO157:H7 fecal shedding in cattle is related toEscherichia coliO157:H7 colonization of the small and large intestine. Canadian Journal of Microbiology, 2008, 54, 984-995.	1.7	34
547	Reduced Serologic Response to Avian Influenza Vaccine in Specific-Pathogen-Free Chicks Inoculated with Cryptosporidium baileyi. Avian Diseases, 2008, 52, 690-693.	1.0	10
548	Effect of Subtherapeutic Administration of Antibiotics on the Prevalence of Antibiotic-Resistant Escherichia coli Bacteria in Feedlot Cattle. Applied and Environmental Microbiology, 2008, 74, 4405-4416.	3.1	140
549	Diversity and Distribution of Commensal Fecal Escherichia coli Bacteria in Beef Cattle Administered Selected Subtherapeutic Antimicrobials in a Feedlot Setting. Applied and Environmental Microbiology, 2008, 74, 6178-6186.	3.1	55
550	Nutritional management for enteric methane abatement: a review. Australian Journal of Experimental Agriculture, 2008, 48, 21.	1.0	797
551	Redirecting rumen fermentation to reduce methanogenesis. Australian Journal of Experimental Agriculture, 2008, 48, 7.	1.0	350
552	Effects of feeding time on behaviour, thermoregulation and growth of steers in winter. Canadian Journal of Animal Science, 2008, 88, 369-379.	1.5	3
553	Escherichia coli O157:H7-secreted cytotoxins are toxic to enterocytes and increase Escherichia coli O157:H7 colonization of jejunum and descending colon in cattle. Canadian Journal of Animal Science, 2008, 88, 41-50.	1.5	10
554	A rapid, sensitive method for testing the activity of Escherichia coli 0157:H7 secreted cytotoxins against epithelial cells from the jejunum and descending colon of cattle. Canadian Journal of Animal Science, 2008, 88, 51-55.	1.5	5
555	Effect of dried distillersâ€™ grains from wheat on diet digestibility and performance of feedlot cattle. Canadian Journal of Animal Science, 2008, 88, 659-665.	1.5	75
556	Performance and bunk attendance of cattle fed steam-rolled or ground corn supplemented with laidlomycin and chlortetracycline or monensin and tylosin. Canadian Journal of Animal Science, 2008, 88, 499-506.	1.5	4
557	Stx2 from enterohemorrhagic Escherichia coli O157:H7 promotes colonization in the intestine of cattle. Canadian Journal of Animal Science, 2008, 88, 581-584.	1.5	10
558	Development of an Experimental Model To Assess the Ability of Escherichia coli O157:H7â€“Inoculated Fecal Pats To Mimic a Super Shedder within a Feedlot Environment. Journal of Food Protection, 2008, 71, 648-652.	1.7	20

#	Article	IF	Citations
559	Comparison of Fecal versus Rectoanal Mucosal Swab Sampling for Detecting Escherichia coli O157:H7 in Experimentally Inoculated Cattle Used in Assessing Bacteriophage as a Mitigation Strategy. Journal of Food Protection, 2008, 71, 691-698.	1.7	30
560	Physical and Chemical Changes during Composting of Wood Chipâ€"Bedded and Strawâ€Bedded Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2008, 37, 725-735.	2.0	70
561	Avian (IgY) anti-methanogen antibodies for reducing ruminal methane production: in vitro assessment of their effects. Australian Journal of Experimental Agriculture, 2008, 48, 260.	1.0	25
562	Nonionophore antibiotics do not affect the trans-18:1 and conjugated linoleic acid composition in beef adipose tissue1. Journal of Animal Science, 2008, 86, 3522-3532.	0.5	29
563	Physical and Chemical Properties of Feedlot Pen Surfaces Located on Moderately Coarseâ€" and Moderately Fineâ€"Textured Soils in Southern Alberta. Journal of Environmental Quality, 2008, 37, 1589-1598.	2.0	18
564	Open-Air Windrows for Winter Disposal of Frozen Cattle Mortalities: Effects of Ambient Temperature and Mortality Layering. Compost Science and Utilization, 2007, 15, 257-266.	1.2	20
565	Use of condensed tannin extract from quebracho trees to reduce methane emissions from cattle1. Journal of Animal Science, 2007, 85, 1990-1996.	0.5	292
566	Growth performance, carcass characteristics and pork quality of pigs fed diets containing meal from conventional or glyphosate-tolerant canola. Canadian Journal of Animal Science, 2007, 87, 517-526.	1.5	5
567	Physiological and behavioural responses to short-haul transport by stock trailer in finished steers. Canadian Journal of Animal Science, 2007, 87, 291-297.	1.5	9
568	Effect of a lignite-coal extract on nutrient composition and gas emissions from cattle feedlot manure. Canadian Journal of Soil Science, 2007, 87, 281-290.	1.2	2
569	Effects of mixing sainfoin with alfalfa on ensiling, ruminal fermentation and total tract digestion of silage. Animal Feed Science and Technology, 2007, 135, 296-314.	2.2	40
570	A review of the detection and fate of novel plant molecules derived from biotechnology in livestock production. Animal Feed Science and Technology, 2007, 133, 31-62.	2.2	55
571	Effects of potential dietary antiprotozoal supplements on rumen fermentation and digestibility in heifers. Animal Feed Science and Technology, 2007, 137, 126-137.	2.2	30
572	Assessment of the Effects of Cinnamon Leaf Oil on Rumen Microbial Fermentation Using Two Continuous Culture Systems. Journal of Dairy Science, 2007, 90, 2315-2328.	3.4	81
573	Effects of Garlic and Juniper Berry Essential Oils on Ruminal Fermentation and on the Site and Extent of Digestion in Lactating Cows. Journal of Dairy Science, 2007, 90, 5671-5681.	3.4	157
574	Chitosanâ^'Alginate Microcapsules for Oral Delivery of Egg Yolk Immunoglobulin (IgY). Journal of Agricultural and Food Chemistry, 2007, 55, 2911-2917.	5.2	94
575	Qualitative and Quantitative Polymerase Chain Reaction Assays for an Alfalfa (Medicago) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 and Food Chemistry, 2007, 55, 2918-2922.	5.2	17
576	Effects of essential oils and their components on in vitro rumen microbial fermentation. Canadian Journal of Animal Science, 2007, 87, 413-419.	1.5	99

#	Article	IF	Citations
577	Greenhouse Gas Emissions during Coâ€Composting of Calf Mortalities with Manure. Journal of Environmental Quality, 2007, 36, 1914-1919.	2.0	9
578	The effect of glyphosate on digestion and horizontal gene transfer during in vitro ruminal fermentation of genetically modified canola. Journal of the Science of Food and Agriculture, 2007, 87, 2837-2843.	3.5	7
579	Avian- and mammalian-derived antibodies against adherence-associated proteins inhibit host cell colonization byEscherichia coliO157:H7. Journal of Applied Microbiology, 2007, 103, 1206-1219.	3.1	26
580	Effects of pre-haul management and transport duration on beef calf performance and welfare. Applied Animal Behaviour Science, 2007, 108, 12-30.	1.9	47
581	Policy and technological constraints to implementation of greenhouse gas mitigation options in agriculture. Agriculture, Ecosystems and Environment, 2007, 118, 6-28.	5.3	459
582	Diversity of Phytases in the Rumen. Microbial Ecology, 2007, 53, 82-88.	2.8	34
583	Greenhouse gas emissions during co-composting of cattle mortalities with manure. Nutrient Cycling in Agroecosystems, 2007, 78, 177-187.	2.2	32
584	Chapter 19 Manipulation and characterization of the rumen ecosystem through biotechnology. Biology of Growing Animals, 2006, 4, 559-583.	0.3	1
585	Detection of Transgenic and Endogenous Plant DNA in Digesta and Tissues of Sheep and Pigs Fed Roundup Ready Canola Meal. Journal of Agricultural and Food Chemistry, 2006, 54, 1699-1709.	5.2	56
586	Assessment of the Sulfur Hexafluoride (SF6) Tracer Technique for Measuring Enteric Methane Emissions from Cattle. Journal of Environmental Quality, 2006, 35, 1686-1691.	2.0	77
587	Shedding of Escherichia coli O157:H7 by Cattle Fed Diets Containing Monensin or Tylosinâ€. Journal of Food Protection, 2006, 69, 2075-2083.	1.7	31
588	Bedding and Within-Pen Location Effects on Feedlot Pen Runoff Quality Using a Rainfall Simulator. Journal of Environmental Quality, 2006, 35, 505-515.	2.0	18
589	Electrolyzed Oxidizing Anode Water as a Sanitizer for Use in Abattoirs. Journal of Food Protection, 2006, 69, 1616-1622.	1.7	10
590	Dietary oil rich in polyunsaturated fatty acids for ruminants: Post-ruminal digesta characteristics and their implications on production. Canadian Journal of Animal Science, 2006, 86, 159-170.	1.5	9
591	Effect of sub-therapeutic antibiotics and auction exposure on health, performance, and feeding behavior of weaned calves. Canadian Journal of Animal Science, 2006, 86, 457-460.	1.5	5
592	Effects of sunflower oil in barley grain-based finishing diets on growth and carcass quality of feedlot steers. Canadian Journal of Animal Science, 2006, 86, 557-560.	1.5	0
593	Comparison of alfalfa and mixed alfalfa-sainfoin pastures for grazing cattle: Effects on incidence of bloat, ruminal fermentation, and feed intake. Canadian Journal of Animal Science, 2006, 86, 383-392.	1.5	53
594	Conventional and real-time polymerase chain reaction assessment of the fate of transgenic DNA in sheep fed Roundup ReadyÂ®rapeseed meal. British Journal of Nutrition, 2006, 96, 997-1005.	2.3	15

#	Article	IF	Citations
595	Effects of tannic acid and quebracho tannins onin vitro ruminal fermentation of wheat and corn grain. Journal of the Science of Food and Agriculture, 2006, 86, 1244-1256.	3.5	37
596	A proposed approach to estimate and reduce net greenhouse gas emissions from whole farms. Canadian Journal of Soil Science, 2006, 86, 401-418.	1.2	91
597	Temporal Prevalence of Antimicrobial Resistance in Campylobacter spp. from Beef Cattle in Alberta Feedlots. Applied and Environmental Microbiology, 2006, 72, 4088-4095.	3.1	39
598	Effect of pasture type (alfalfa vs. grass) on methane and carbon dioxide production by yearling beef heifers. Canadian Journal of Animal Science, 2006, 86, 409-418.	1.5	84
599	Effects of Microbial Inoculants on the Fermentation, Nutrient Retention, and Aerobic Stability of Barley Silage. Asian-Australasian Journal of Animal Sciences, 2006, 19, 1429-1436.	2.4	18
600	Comparison of purines and nitrogen-15 as microbial flow markers in beef heifers fed barley- or corn-based diets. Canadian Journal of Animal Science, 2005, 85, 211-222.	1.5	16
601	Detection of feed-ingested plant DNA fragments in a raw meat product for human consumption. Canadian Journal of Animal Science, 2005, 85, 541-543.	1.5	2
602	Individual free choice creep feed intake by suckling calves on range. Canadian Journal of Animal Science, 2005, 85, 401-404.	1.5	2
603	Physiological and behavioural changes in Holstein calves during and after dehorning or castration. Canadian Journal of Animal Science, 2005, 85, 131-138.	1.5	28
604	Survival ofEscherichia coliO157:H7 in feces from corn- and barley-fed steers. FEMS Microbiology Letters, 2005, 252, 25-33.	1.8	42
605	Effect of supplementing corn- or barley-based feedlot diets with canola oil on faecal shedding of Escherichia coli O157:H7 by steers. Journal of Applied Microbiology, 2005, 98, 464-475.	3.1	47
606	Characterization of Condensed Tannins Purified From Legume Forages: Chromophore Production, Protein Precipitation, and Inhibitory Effects on Cellulose Digestion. Journal of Chemical Ecology, 2005, 31, 2049-2068.	1.8	104
607	Monitoring Escherichia coli O157:H7 in Inoculated and Naturally Colonized Feedlot Cattle and Their Environment. Journal of Food Protection, 2005, 68, 26-33.	1.7	43
608	Effects of Subtherapeutic Administration of Antimicrobial Agents to Beef Cattle on the Prevalence of Antimicrobial Resistance in Campylobacter jejuni and Campylobacter hyointestinalis. Applied and Environmental Microbiology, 2005, 71, 3872-3881.	3.1	65
609	Effect of full-fat hemp seed on performance and tissue fatty acids of feedlot cattle. Canadian Journal of Animal Science, 2005, 85, 223-230.	1.5	67
610	Ecology of Escherichia coli O157:H7 in Commercial Dairies in Southern Alberta. Journal of Dairy Science, 2005, 88, 4441-4451.	3.4	53
611	Effect of a saponin-based surfactant on water absorption, processing characteristics and in vitro ruminal fermentation of barley grain. Animal Feed Science and Technology, 2005, 118, 255-266.	2.2	9
612	Effect of Lactobacillus buchneri 40788 and Buffered Propionic Acid on Preservation and Nutritive Value of Alfalfa and Timothy High-moisture Hay. Asian-Australasian Journal of Animal Sciences, 2005, 18, 649-660.	2.4	6

#	Article	IF	Citations
613	Effects of Tween 80 and Fibrolytic Enzymes on Ruminal Fermentation and Digestibility of Feeds in Holstein Cows. Asian-Australasian Journal of Animal Sciences, 2005, 18, 816-824.	2.4	13
614	Escherichia coli O157:H7 Excretion by Commercial Feedlot Cattle Fed Either Barley- or Corn-Based Finishing Diets. Journal of Food Protection, 2004, 67, 666-671.	1.7	68
615	Quantity and Quality of Runoff from a Beef Cattle Feedlot in Southern Alberta. Journal of Environmental Quality, 2004, 33, 1088.	2.0	41
616	Long-Haul Transport and Lack of Preconditioning Increases Fecal Shedding of Escherichia coli and Escherichia coli O157:H7 by Calves. Journal of Food Protection, 2004, 67, 672-678.	1.7	60
617	Effects of Water Source, Dilution, Storage, and Bacterial and Fecal Loads on the Efficacy of Electrolyzed Oxidizing Water for the Control of Escherichia coli O157:H7. Journal of Food Protection, 2004, 67, 1377-1383.	1.7	18
618	Effects of dietary sunflower seeds on rumen protozoa and growth of lambs. British Journal of Nutrition, 2004, 92, 303-310.	2.3	44
619	Update on Cryptosporidium and Giardia infections in cattle. Trends in Parasitology, 2004, 20, 185-191.	3.3	220
620	Survey of hormone activities in municipal biosolids and animal manures. Environmental Toxicology, 2004, 19, 216-225.	4.0	121
621	Trichoderma enzymes promoteFibrobacter succinogenes S85 adhesion to, and degradation of, complex substrates but not pure cellulose. Journal of the Science of Food and Agriculture, 2004, 84, 1083-1090.	3.5	37
622	In vitro effects of Monensin and Tween 80 on ruminal fermentation of barley grain:barley silage-based diets for beef cattle. Animal Feed Science and Technology, 2004, 116, 197-209.	2.2	13
623	Effect of an inoculant and hydrolytic enzymes on fermentation and nutritive value of whole crop barley silage. Animal Feed Science and Technology, 2004, 117, 317-330.	2.2	98
624	Use of quantitative real-time and conventional PCR to assess the stability of the cp4 epsps transgene from Roundup ReadyÂ® canola in the intestinal, ruminal, and fecal contents of sheep. Journal of Biotechnology, 2004, 112, 255-266.	3.8	37
625	Inactivation ofGiardiaCysts andCryptosporidiumOocysts in Beef Feedlot Manure By Thermophilic Windrow Composting. Compost Science and Utilization, 2004, 12, 235-241.	1.2	60
626	Relative stability of transgene DNA fragments from GM rapeseed in mixed ruminal cultures. British Journal of Nutrition, 2004, 91, 673-681.	2.3	23
627	Effects of variety on chemical composition,in situ nutrient disappearance andin vitro gas production of spineless cacti. Journal of the Science of Food and Agriculture, 2003, 83, 440-445.	3.5	66
628	Transfer of a rifampicin-resistant Escherichia coli strain among feedlot cattle. Journal of Applied Microbiology, 2003, 95, 398-410.	3.1	10
629	Prevalence and infection pattern of naturally acquired giardiasis and cryptosporidiosis in range beef calves and their dams. Veterinary Parasitology, 2003, 114, 113-122.	1.8	111
630	Dietary manipulation to increase conjugated linoleic acids and other desirable fatty acids in beef: A review. Canadian Journal of Animal Science, 2003, 83, 673-685.	1.5	48

#	Article	IF	Citations
631	Effects of a Saccharomyces cerevisiae feed supplement on Escherichia coli O157:H7 in ruminal fluid in vitro. Animal Feed Science and Technology, 2003, 104, 179-189.	2.2	18
632	Evaluation of several potential bioactive agents for reducing protozoal activity in vitro. Animal Feed Science and Technology, 2003, 105, 163-184.	2.2	72
633	Effects of feeding transgenic canola on apparent digestibility, growth performance and carcass characteristics of lambs. Canadian Journal of Animal Science, 2003, 83, 299-305.	1.5	18
634	Effects of sunflower seed supplementation and different dietary protein concentrations on the ciliate protozoa population dynamics in the rumen of sheep. Canadian Journal of Animal Science, 2003, 83, 809-817.	1.5	20
635	Fate of Coliform Bacteria in Composted Beef Cattle Feedlot Manure. Journal of Environmental Quality, 2003, 32, 1508-1515.	2.0	130
636	Effect of dietary sunflower oil and vitamin E on Beef cattle performance, carcass characteristics and meat quality. Canadian Journal of Animal Science, 2003, 83, 53-66.	1.5	50
637	Measuring individual free-choice protein supplement consumption by wintering beef cattle. Canadian Journal of Animal Science, 2003, 83, 21-27.	1.5	5
638	Effect of bacteriophage DC22 on Escherichia coli O157:H7 in an artificial rumen system (Rusitec) and inoculated sheep. Animal Research, 2003, 52, 89-101.	0.6	64
639	Extraction of PCR-Quality Plant and Microbial DNA from Total Rumen Contents. BioTechniques, 2003, 34, 92-97.	1.8	36
640	Bedding and Seasonal Effects on Chemical and Bacterial Properties of Feedlot Cattle Manure. Journal of Environmental Quality, 2003, 32, 1887-1894.	2.0	53
641	Effect of a fibrolytic enzyme preparation from Trichoderma longibrachiatum on the rumen microbial population of dairy cows. Canadian Journal of Microbiology, 2002, 48, 14-20.	1.7	99
642	Effects of processed corn silage on its digestibility and production of growing beef replacement heifers. Animal Feed Science and Technology, 2002, 96, 221-228.	2.2	3
643	Performance and carcass characteristics of beef cattle fed diets containing silage from intercropped barley and annual ryegrass. Animal Feed Science and Technology, 2002, 99, 1-11.	2.2	10
644	Relationships between bunk attendance, intake and performance of steers and heifers on varying feeding regimes. Applied Animal Behaviour Science, 2002, 76, 179-188.	1.9	55
645	Effects of exogenous fibrolytic enzymes on epiphytic microbial populations andin vitro digestion of silage. Journal of the Science of Food and Agriculture, 2002, 82, 760-768.	3.5	25
646	Proteolytic activity in ruminal fluid from cattle fed two levels of barley grain: a comparison of three methods of determination. Journal of the Science of Food and Agriculture, 2002, 82, 1886-1893.	3.5	24
647	Expression of afibrobacter succinogenes 1,3-1,4-Î²-glucanase in Potato (Solanum tuberosum). American Journal of Potato Research, 2002, 79, 39-48.	0.9	6
648	Persistence of Escherichia coli O157:H7 in barley silage: effect of a bacterial inoculant. Journal of Applied Microbiology, 2002, 93, 288-294.	3.1	35

#	Article	IF	Citations
649	Impact of feed processing and mixed ruminal culture on the fate of recombinant EPSP synthase and endogenous canola plant DNA. FEMS Microbiology Letters, 2002, 214, 263-269.	1.8	28
650	Rumen Microbes, Enzymes and Feed Digestion-A Review. Asian-Australasian Journal of Animal Sciences, 2002, 15, 1659-1676.	2.4	121
651	Effects of Alcohol Ethoxylate and Pluronic Detergents on the Development of Pasture Bloat in Cattle and Sheep. Journal of Dairy Science, 2001, 84, 167-176.	3.4	26
652	Comparison of the Ruminal Metabolism of Nitrogen from 15N-Labeled Alfalfa Preserved as Hay or as Silage. Journal of Dairy Science, 2001, 84, 2738-2750.	3.4	34
653	Effects of immunization against GnRH, Melengestrol Acetate, and a trenbolene acetate/estradiol implant on growth and carcass characteristics of beef heifers. Theriogenology, 2001, 55, 973-981.	2.1	12
654	Practical Measures for Reducing Risk of Alfalfa Bloat in Cattle. Journal of Range Management, 2001, 54, 490.	0.3	14
655	Giardiasis in dairy calves: effects of fenbendazole treatment on intestinal structure and function. International Journal for Parasitology, 2001, 31, 73-79.	3.1	36
656	Enhancing pasture productivity with alfalfa: A review. Canadian Journal of Plant Science, 2000, 80, 513-519.	0.9	67
657	Electronic identification: Applications in beef production and research. Canadian Journal of Animal Science, 2000, 80, 381-392.	1.5	16
658	Effects of feeding canola screenings on apparent digestibility, growth performance and carcass characteristics of feedlot lambs. Canadian Journal of Animal Science, 2000, 80, 355-362.	1.5	6
659	Effect of Tween 80 and salinomycin on ruminal fermentation and nutrient digestion in steers fed a diet containing 70% barley. Canadian Journal of Animal Science, 2000, 80, 363-372.	1.5	17
660	Canola screenings as a fiber source in barley-based feedlot diets: effects on rumen fermentation and performance of steers. Canadian Journal of Animal Science, 2000, 80, 161-168.	1.5	5
661	Effect of a surfactant and exogenous enzymes on digestibility of feed and on growth performance and carcass traits of lambs. Canadian Journal of Animal Science, 2000, 80, 35-44.	1.5	42
662	Individual intake of mineral and molasses supplements by cows, heifers and calves. Canadian Journal of Animal Science, 2000, 80, 681-690.	1.5	38
663	A review of the development of a bloat-reduced alfalfa cultivar. Canadian Journal of Plant Science, 2000, 80, 487-491.	0.9	38
664	Effects of fungal enzyme preparations on hydrolysis and subsequent degradation of alfalfa hay fiber by mixed rumen microorganisms in vitro. Animal Feed Science and Technology, 2000, 88, 153-170.	2.2	86
665	Effects of Tween 60 and Tween 80 on Protease Activity, Thiol Group Reactivity, Protein Adsorption, and Cellulose Degradation by Rumen Microbial Enzymes. Journal of Dairy Science, 2000, 83, 536-542.	3.4	57
666	Synergy Between Ruminal Fibrolytic Enzymes and Enzymes from Trichoderma Longibrachiatum. Journal of Dairy Science, 2000, 83, 1310-1321.	3.4	125

#	Article	IF	Citations
667	A review of the effects of forage condensed tannins on ruminal fermentation and bloat in grazing cattle. Canadian Journal of Plant Science, 2000, 80, 469-485.	0.9	228
668	Bloat in cattle grazing alfalfa cultivars selected for a low initial rate of digestion: A review. Canadian Journal of Plant Science, 2000, 80, 493-502.	0.9	34
669	Effect of Yucca schidigera on ruminal fermentation and nutrient digestion in heifers.. Journal of Animal Science, 1999, 77, 2554.	0.5	196
670	Effect of diet, digesta processing, freezing and extraction procedure on some polysaccharide-degrading activities of ruminal contents. Canadian Journal of Animal Science, 1999, 79, 73-81.	1.5	43
671	Validation of a radio frequency identification system for monitoring the feeding patterns of feedlot cattle. Livestock Science, 1999, 60, 27-31.	1.2	59
672	Effects of proanthocyanidins, dehulling and removal of pericarp on digestion of barley grain by ruminal micro-organisms. Journal of the Science of Food and Agriculture, 1999, 79, 929-938.	3.5	19
673	Effect of Micronizing Full Fat Canola Seed on Amino Acid Disappearance in the Gastrointestinal Tract of Dairy Cows. Journal of Dairy Science, 1999, 82, 537-544.	3.4	19
674	Examination of microbial degradation of Ficus exasperata leaves and cassava peels by in situ incubation and scanning electron microscopy. Animal Feed Science and Technology, 1999, 77, 213-228.	2.2	1
675	Assessment of inhibitory effects of ruminal fluid on biological activity of steroidal saponins using hemolytic assay. Canadian Journal of Animal Science, 1999, 79, 561-564.	1.5	7
676	Effect of exogenous enzymes on digestibility of barley silage and growth performance of feedlot cattle. Canadian Journal of Animal Science, 1999, 79, 353-360.	1.5	88
677	Carcass evaluation of cattle finished on alfalfa/grass pastures alone or supplemented with barley. Canadian Journal of Animal Science, 1999, 79, 545-548.	1.5	4
678	Effects of exogenous fibrolytic enzymes, Î±-bromoethanesulfonate and monensin on fermentation in a rumen simulation (RUSITEC) system. Canadian Journal of Animal Science, 1999, 79, 491-498.	1.5	36
679	Giardia Cyst and Cryptosporidium Oocyst Survival in Water, Soil, and Cattle Feces. Journal of Environmental Quality, 1999, 28, 1991-1996.	2.0	166
680	Effect of sainfoin on in vitro digestion of fresh alfalfa and bloat in steers. Canadian Journal of Animal Science, 1999, 79, 203-212.	1.5	79
681	Effects of Yucca schidigera extract on fermentation and degradation of steroidal saponins in the rumen simulation technique (RUSITEC). Animal Feed Science and Technology, 1998, 74, 143-153.	2.2	124
682	Stability of exogenous polysaccharide-degrading enzymes in the rumen. Animal Feed Science and Technology, 1998, 76, 161-168.	2.2	47
683	Inoculants for alfalfa silage: Effects on aerobic stability, digestibility and the growth performance of feedlot steers. Livestock Science, 1998, 53, 171-181.	1.2	87
684	Reducing Methane Emissions from Ruminant Animals. Journal of Applied Animal Research, 1998, 14, 1-28.	1.2	83

#	Article	IF	Citations
685	Comparison of alfalfa and fenugreek (Trigonella foenum-graecum) silages supplemented with barley grain on performance of growing steers. Canadian Journal of Animal Science, 1998, 78, 343-349.	1.5	22
686	Intake, digestibility, methane and heat production in bison, wapiti and white-tailed deer. Canadian Journal of Animal Science, 1998, 78, 681-691.	1.5	32
687	A review of bloat in feedlot cattle.. Journal of Animal Science, 1998, 76, 299.	0.5	86
688	Bunk attendance of feedlot cattle monitored with radio frequency technology. Canadian Journal of Animal Science, 1998, 78, 707-710.	1.5	45
689	Effect of dietary or abomasal supplementation of exogenous polysaccharide-degrading enzymes on rumen fermentation and nutrient digestibility.. Journal of Animal Science, 1998, 76, 3146.	0.5	66
690	Effect of trenbolene acetate/estradiol implants and estrus suppression on growth performance and carcass characteristics of beef heifers. Canadian Journal of Animal Science, 1997, 77, 325-328.	1.5	9
691	Activity of intestinal mucosal membrane carbohydrases in cattle of different breeds. Canadian Journal of Animal Science, 1997, 77, 441-446.	1.5	12
692	Lipid-induced depression of methane production and digestibility in the artificial rumen system (RUSITEC). Canadian Journal of Animal Science, 1997, 77, 269-278.	1.5	110
693	The effect of micronization of full-fat canola seed on digestion in the rumen and total tract of dairy cows. Canadian Journal of Animal Science, 1997, 77, 431-440.	1.5	27
694	Use of Bacillus stearothermophilus spores as a marker for estimating digesta passage rate from the rumen in cattle. Livestock Science, 1997, 47, 231-234.	1.2	2
695	Effect of silica on the colonization of rice straw by ruminal bacteria. Animal Feed Science and Technology, 1997, 65, 165-181.	2.2	53
696	Dietary, environmental and microbiological aspects of methane production in ruminants. Canadian Journal of Animal Science, 1996, 76, 231-243.	1.5	243
697	Microbial strategies in the ruminal digestion of cereal grains. Animal Feed Science and Technology, 1996, 62, 29-36.	2.2	67
698	Effect of salinomycin on giardiasis and coccidiosis in growing lambs.. Journal of Animal Science, 1996, 74, 2896.	0.5	6
699	Comparison of sweet white lupin seed, canola meal and soybean meal as protein supplements for lambs. Canadian Journal of Animal Science, 1996, 76, 215-219.	1.5	13
700	Intake, digestibility and aerobic stability of barley silage inoculated with mixtures of Lactobacillus plantarum and Enterococcus faecium. Canadian Journal of Animal Science, 1995, 75, 425-432.	1.5	65
701	Lignosulfonate-treated canola meal for nursing beef calves. Canadian Journal of Animal Science, 1995, 75, 559-565.	1.5	4
702	High-performance liquid chromatographic analysis of Î²-phenylethylamine for the estimation of in vivo protein synthesis. Biomedical Applications, 1995, 666, 336-341.	1.7	7

#	Article	IF	Citations
703	Use of ultrasound for the prediction of carcass characteristics in Alpine goats. Small Ruminant Research, 1995, 15, 195-201.	1.2	23
704	Comparison of lignosulfonate-treated canola meal and soybean meal as rumen undegradable protein supplements for lambs. Canadian Journal of Animal Science, 1995, 75, 371-377.	1.5	20
705	Microbial attachment and feed digestion in the rumen. Journal of Animal Science, 1994, 72, 3004-3018.	0.5	461
706	Effects of mastication on digestion of whole cereal grains by cattle2. Journal of Animal Science, 1994, 72, 236-246.	0.5	103
707	Production of 2-aminobutyrate by Megasphaera elsdenii. Canadian Journal of Microbiology, 1994, 40, 393-396.	1.7	3
708	Effect of condensed tannins from birdsfoot trefoil on endoglucanase activity and the digestion of cellulose filter paper by ruminal fungi. Canadian Journal of Microbiology, 1994, 40, 298-305.	1.7	67
709	Effect of salinomycin on fermentation and nitrogen metabolism in the artificial rumen. Canadian Journal of Animal Science, 1994, 74, 575-578.	1.5	17
710	Comparison of amylolytic and proteolytic activities of ruminal fungi grown on cereal grains. Canadian Journal of Microbiology, 1993, 39, 817-820.	1.7	20
711	Cereal grain digestion by selected strains of ruminal fungi. Canadian Journal of Microbiology, 1993, 39, 367-376.	1.7	26
712	Selection of a method of condensed tannin analysis for studies with rumen bacteria. Journal of Agricultural and Food Chemistry, 1993, 41, 1256-1260.	5.2	26
713	Seasonal changes in the adherent microflora of the rumen in high-arctic Svalbard reindeer. Canadian Journal of Microbiology, 1993, 39, 101-108.	1.7	9
714	Use of lignosulfonate to decrease the rumen degradability of canola meal protein. Canadian Journal of Animal Science, 1993, 73, 211-215.	1.5	45
715	Effect of the protein matrix on the digestion of cereal grains by ruminal microorganisms. Journal of Animal Science, 1993, 71, 205-212.	0.5	200
716	Effects of Condensed Tannins on Endoglucanase Activity and Filter Paper Digestion by Fibrobacter succinogenes S85. Applied and Environmental Microbiology, 1993, 59, 2132-2138.	3.1	135
717	Effect of formaldehyde-treated barley or escape protein on nutrient digestibility, growth and carcass traits of feedlot lambs. Canadian Journal of Animal Science, 1992, 72, 309-316.	1.5	15
718	Effect of formaldehyde-treated barley or escape protein on the ruminal environment and digestion in steers. Canadian Journal of Animal Science, 1992, 72, 317-328.	1.5	14
719	Selection of a sterilization method for the study of cereal grain digestion. Journal of Animal Science, 1991, 69, 3039-3043.	0.5	13
720	MICROBIAL DEGRADATION OF VITAMIN A IN RUMEN FLUID FROM STEERS FED CONCENTRATE, HAY OR STRAW DIETS. Canadian Journal of Animal Science, 1990, 70, 227-233.	1.5	24

#	Article	IF	Citations
721	USE OF FORMALDEHYDE TO REGULATE DIGESTION OF BARLEY STARCH. Canadian Journal of Animal Science, 1990, 70, 581-589.	1.5	42
722	EFFECT OF RUMINAL MICROBIAL COLONIZATION ON CEREAL GRAIN DIGESTION. Canadian Journal of Animal Science, 1990, 70, 571-579.	1.5	104
723	Morphological study of the digestion of barley and maize grain by rumen microorganisms. Animal Feed Science and Technology, 1990, 30, 91-105.	2.2	17
724	Digestion of Barley, Maize, and Wheat by Selected Species of Ruminal Bacteria. Applied and Environmental Microbiology, 1990, 56, 3146-3153.	3.1	62
725	HATCHABILITY OF STORED CHICKEN EGGS AS AFFECTED BY DAILY TURNING DURING STORAGE AND PREWARMING AND VACUUMING EGGS ENCLOSED IN PLASTIC WITH NITROGEN. Canadian Journal of Animal Science, 1966, 46, 47-50.	1.5	35
726	Effects of biochar source, level of inclusion, and particle size on in vitro dry matter disappearance, total gas, and methane production and ruminal fermentation parameters in a barley silage-based diet. Canadian Journal of Animal Science, 0, , 1-12.	1.5	0
727	Effect of sod-seeding bloat-free legumes on pasture productivity, steer performance, and production economics. Canadian Journal of Animal Science, 0, , .	1.5	0
728	Genomic Characterization of Enterococcus hirae From Beef Cattle Feedlots and Associated Environmental Continuum. Frontiers in Microbiology, 0, 13, .	3.5	5