

Wenzhu Z Yang

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

83

papers

1,370

citations

20

h-index

34

g-index

90

ext. papers

1,766

ext. citations

2.1

avg, IF

5.12

L-index

#	Paper	IF	Citations
83	Synergy between ruminal fibrolytic enzymes and enzymes from <i>Trichoderma longibrachiatum</i> . <i>Journal of Dairy Science</i> , 2000 , 83, 1310-21	4	83
82	PSX-B-8 Effect of supplementing red osier dogwood extract on in vitro gas production, feed digestibility and fermentation characteristics of high-forage diet. <i>Journal of Animal Science</i> , 2021 , 99, 458-458	0.7	78
81	PSX-B-6 Effect of slow-release urea on gas production, fermentation characteristics, nutrient digestibility and microbial protein synthesis in an artificial rumen system. <i>Journal of Animal Science</i> , 2021 , 99, 454-455	0.7	78
80	PSIX-11 Impact of a phytogetic feed additive on growth performance, feed intake and carcass traits of finishing steers. <i>Journal of Animal Science</i> , 2019 , 97, 398-398	0.7	78
79	412 Supplementation of high-grain diet with brewers spent grain protein hydrolysates reduced protein degradability and methane production in Rusitec. <i>Journal of Animal Science</i> , 2019 , 97, 169-169	0.7	78
78	403 Using ruminally protected and unprotected <i>Saccharomyces cerevisiae</i> fermentation products as alternatives to antibiotics in finishing beef steers: growth performance and antimicrobial resistance. <i>Journal of Animal Science</i> , 2019 , 97, 162-163	0.7	78
77	Characterization of rumen bacterial diversity and fermentation parameters in concentrate fed cattle with and without forage. <i>Journal of Applied Microbiology</i> , 2012 , 112, 1152-62	4.7	69
76	Effect of a fibrolytic enzyme preparation from <i>Trichoderma longibrachiatum</i> on the rumen microbial population of dairy cows. <i>Canadian Journal of Microbiology</i> , 2002 , 48, 14-20	3.2	69
75	Effects of essential oils on proteolytic, deaminative and methanogenic activities of mixed ruminal bacteria. <i>Canadian Journal of Animal Science</i> , 2008 , 88, 117-122	0.9	68
74	Substitution of wheat dried distillers grains with solubles for barley grain or barley silage in feedlot cattle diets: intake, digestibility, and ruminal fermentation. <i>Journal of Animal Science</i> , 2011 , 89, 2491-501	0.7	45
73	Repeated inoculation of cattle rumen with bison rumen contents alters the rumen microbiome and improves nitrogen digestibility in cattle. <i>Scientific Reports</i> , 2017 , 7, 1276	4.9	39
72	Wheat distillers grains in feedlot cattle diets: feeding behavior, growth performance, carcass characteristics, and blood metabolites. <i>Journal of Animal Science</i> , 2012 , 90, 1301-10	0.7	38
71	Comparison of wheat or corn dried distillers grains with solubles on rumen fermentation and nutrient digestibility by feedlot heifers. <i>Journal of Animal Science</i> , 2012 , 90, 1291-300	0.7	37
70	Resistance of feed enzymes to proteolytic inactivation by rumen microorganisms and gastrointestinal proteases. <i>Journal of Animal Science</i> , 2001 , 79, 1621-30	0.7	33
69	Effects of isobutyrate on rumen fermentation, urinary excretion of purine derivatives and digestibility in steers. <i>Archives of Animal Nutrition</i> , 2008 , 62, 377-88	2.7	32
68	Antibiotic treatment in feedlot cattle: a longitudinal study of the effect of oxytetracycline and tulathromycin on the fecal and nasopharyngeal microbiota. <i>Microbiome</i> , 2019 , 7, 86	16.6	26
67	Effect of engineered biocarbon on rumen fermentation, microbial protein synthesis, and methane production in an artificial rumen (RUSITEC) fed a high forage diet. <i>Journal of Animal Science</i> , 2018 , 96, 3121-3130	0.7	22

66	Effect of fibrolytic enzymes on lactational performance, feeding behavior, and digestibility in high-producing dairy cows fed a barley silage-based diet. <i>Journal of Dairy Science</i> , 2018 , 101, 7971-7979	4	21
65	Influence of yeast culture and feed antibiotics on ruminal fermentation and site and extent of digestion in beef heifers fed high grain rations ¹ . <i>Journal of Animal Science</i> , 2018 , 96, 3916-3927	0.7	20
64	Quality and precision processing of barley grain affected intake and digestibility of dry matter in feedlot steers. <i>Canadian Journal of Animal Science</i> , 2013 , 93, 251-260	0.9	20
63	Using ruminally protected and nonprotected active dried yeast as alternatives to antibiotics in finishing beef steers: growth performance, carcass traits, blood metabolites, and fecal <i>Escherichia coli</i> . <i>Journal of Animal Science</i> , 2018 , 96, 4385-4397	0.7	18
62	Using a fibrolytic enzyme in barley-based diets containing wheat dried distillers grains with solubles: ruminal fermentation, digestibility, and growth performance of feedlot steers. <i>Journal of Animal Science</i> , 2014 , 92, 3978-87	0.7	16
61	Ruminal in vitro gas production, dry matter digestibility, methane abatement potential, and fatty acid biohydrogenation of six species of microalgae. <i>Canadian Journal of Animal Science</i> , 2016 , 96, 354-363	0.9	15
60	New recombinant fibrolytic enzymes for improved in vitro ruminal fiber degradability of barley straw ¹ . <i>Journal of Animal Science</i> , 2018 , 96, 3928-3942	0.7	15
59	Impact of hard vs. soft wheat and monensin level on rumen acidosis in feedlot heifers. <i>Journal of Animal Science</i> , 2014 , 92, 5088-98	0.7	14
58	Synergism of Cattle and Bison Inoculum on Ruminal Fermentation and Select Bacterial Communities in an Artificial Rumen (Rusitec) Fed a Barley Straw Based Diet. <i>Frontiers in Microbiology</i> , 2016 , 7, 2032	5.7	13
57	Effects of bulk density, precision processing and processing index on in vitro ruminal fermentation of dry-rolled barley grain. <i>Animal Feed Science and Technology</i> , 2014 , 195, 28-37	3	12
56	Effects of brewers' spent grain protein hydrolysates on gas production, ruminal fermentation characteristics, microbial protein synthesis and microbial community in an artificial rumen fed a high grain diet. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 1	6	12
55	In vitro ruminal fermentation of ground and dry-rolled barley grain differing in starch content. <i>Animal Feed Science and Technology</i> , 2015 , 203, 88-94	3	11
54	Ruminally protected and unprotected <i>Saccharomyces cerevisiae</i> fermentation products as alternatives to antibiotics in finishing beef steers ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 4323-4333	0.7	11
53	Effects of wheat dried distillers' grains with solubles and cinnamaldehyde on in vitro fermentation and protein degradation using the Rusitec technique. <i>Archives of Animal Nutrition</i> , 2012 , 66, 131-48	2.7	11
52	Effects of volume weight, processing method and processing index of barley grain on in situ digestibility of dry matter and starch in beef heifers. <i>Animal Feed Science and Technology</i> , 2015 , 199, 93-103	3	10
51	Feeding diets varying in forage proportion and particle length to lactating dairy cows: I. Effects on ruminal pH and fermentation, microbial protein synthesis, digestibility, and milk production. <i>Journal of Dairy Science</i> , 2020 , 103, 4340-4354	4	10
50	Effect of wheat dried distillers grains with solubles and fibrolytic enzymes on ruminal fermentation, digestibility, growth performance, and feeding behavior of beef cattle. <i>Journal of Animal Science</i> , 2015 , 93, 1218-28	0.7	10
49	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 diets. <i>Journal of Animal Science</i> , 2013 , 91, 5390-8	0.7	10

48	Effect of starch content and processing method on in situ ruminal and in vitro intestinal digestion of barley grain in beef heifers. <i>Animal Feed Science and Technology</i> , 2016 , 216, 121-128	3	10
47	Exploration of serum sensitive biomarkers of fatty liver in dairy cows. <i>Scientific Reports</i> , 2018 , 8, 13574	4.9	9
46	Feed nutritional value of brewers' spent grain residue resulting from protease aided protein removal. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 78	6	8
45	Use of naturally sourced feed additives (lactobacillus fermentation products and enzymes) in growing and finishing steers: Effects on performance, carcass characteristics and blood metabolites. <i>Animal Feed Science and Technology</i> , 2019 , 254, 114190	3	8
44	Including essential oils in lactating dairy cow diets: effects on methane emissions. <i>Animal Production Science</i> , 2014 , 54, 1215	1.4	8
43	Survival of Escherichia coli O157:H7 in ruminal or fecal contents incubated with corn or wheat dried distillers' grains with solubles. <i>Canadian Journal of Microbiology</i> , 2010 , 56, 890-5	3.2	8
42	Development of NIRS calibrations to estimate fecal composition and nutrient digestibility in beef cattle.. <i>Canadian Journal of Animal Science</i> , 2016 ,	0.9	8
41	Effect of exogenous fibrolytic enzymes and ammonia fiber expansion on the fermentation of wheat straw in an artificial rumen system (RUSITEC)1. <i>Journal of Animal Science</i> , 2019 , 97, 3535-3549	0.7	7
40	Effects of grain source and monensin level on growth performance, carcass traits and fatty acid profile in feedlot beef steers. <i>Animal Feed Science and Technology</i> , 2014 , 198, 141-150	3	7
39	Short Communication: Variation in response to processing, in vitro gas production and fermentation of western Canadian feed barley. <i>Canadian Journal of Animal Science</i> , 2014 , 94, 725-729	0.9	7
38	Effects of particle size of processed barley grain, enzyme addition and microwave treatment on disappearance and gas production for feedlot cattle. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017 , 30, 479-485	2.4	7
37	Adjusting roller settings based on kernel size increased ruminal starch digestibility of dry-rolled barley grain in cattle. <i>Canadian Journal of Animal Science</i> , 2010 , 90, 275-278	0.9	7
36	Screening of live yeast and yeast derivatives for their impact of strain and dose on in vitro ruminal fermentation and microbial profiles with varying media pH levels in high-forage beef cattle diet. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 6751-6760	4.3	6
35	Effects of a recombinant fibrolytic enzyme on fiber digestion, ruminal fermentation, nitrogen balance, and total tract digestibility of heifers fed a high forage diet1. <i>Journal of Animal Science</i> , 2019 , 97, 3578-3587	0.7	6
34	Recombinant fibrolytic feed enzymes and ammonia fibre expansion (AFEX) pretreatment of crop residues to improve fibre degradability in cattle. <i>Animal Feed Science and Technology</i> , 2019 , 256, 114260 ³		6
33	Fecal bacterial community of finishing beef steers fed ruminally protected and non-protected active dried yeast. <i>Journal of Animal Science</i> , 2020 , 98,	0.7	5
32	Effect of low-oil corn dried distillers' grains with solubles on growth performance, carcass traits and beef fatty acid profile of feedlot cattle. <i>Canadian Journal of Animal Science</i> , 2014 , 94, 343-347	0.9	5
31	Using exogenous enzymes to increase the rumen degradability of wheat dried distillers grains with solubles. <i>Archives of Animal Nutrition</i> , 2013 , 67, 381-92	2.7	5

30	Impact of a phytogetic feed additive on growth performance, feed intake, and carcass traits of finishing steers. <i>Translational Animal Science</i> , 2019 , 3, 1162-1172	1.4	4
29	Effect of in vitro techniques and exogenous feed enzymes on feed digestion. <i>Animal Feed Science and Technology</i> , 2016 , 213, 148-152	3	4
28	Effect of silage source, physically effective neutral detergent fiber, and undigested neutral detergent fiber concentrations on performance and carcass characteristics of finishing steers. <i>Translational Animal Science</i> , 2021 , 5, txaa236	1.4	4
27	Precision processing barley grain did not affect productivity of lactating dairy cows. <i>Canadian Journal of Animal Science</i> , 2013 , 93, 261-268	0.9	3
26	Inoculum source and transfer of rumen contents from bison to cattle improved in vitro gas production and feed digestibility, but not the responses to exogenous enzymes supplementation. <i>Animal Feed Science and Technology</i> , 2019 , 248, 37-46	3	3
25	Short communication: Ground corn steeped in citric acid modulates in vitro gas production kinetics, fermentation patterns and dry matter digestibility. <i>Animal Feed Science and Technology</i> , 2019 , 247, 9-14 ³		3
24	Short Communication: The effect of seed hardness and malting characteristics on in situ dry matter digestibility of barley grain in beef heifers. <i>Canadian Journal of Animal Science</i> , 2015 , 95, 299-303	0.9	2
23	In vitro gas production and dry matter digestibility of malting barley grain sown with different seeding and nitrogen fertilization rates in Canada. <i>Animal Feed Science and Technology</i> , 2015 , 199, 146-151		2
22	Feeding diets varying in forage proportion and particle length to lactating dairy cows: II. Effects on duodenal flows and intestinal digestibility of amino acids. <i>Journal of Dairy Science</i> , 2020 , 103, 4355-4366 ⁴		2
21	Effects of barley type and processing method on rumen fermentation, dry matter disappearance and fermentation characteristics in batch cultures. <i>Animal Feed Science and Technology</i> , 2020 , 269, 1146-1155 ²⁵		2
20	PSIX-12 Screening of peptides for their impact of protease, protease dose and peptide dose on in vitro rumen dry matter digestibility. <i>Journal of Animal Science</i> , 2019 , 97, 398-399	0.7	2
19	Comparison of barley silages with varying digestible fiber content to corn silage on rumen fermentation characteristics and microbial protein synthesis using RUSITEC. <i>Canadian Journal of Animal Science</i> , 2017 ,	0.9	1
18	Synthesis and characterization of calcium phosphorylated inulin complex as a new source of enriched calcium supplement with prebiotic effect in food. <i>Food Science and Technology</i> , 2019 , 39, 237-244 ²⁴		1
17	Evaluation of Barley Silage with Varying Ruminant In Vitro Fiber Digestibility on Lactation Performance and Chewing Activity of Lactating Dairy Cows in Comparison with Corn Silage. <i>Canadian Journal of Animal Science</i> , 2017 ,	0.9	1
16	Factors Affecting Rumen Fermentation Using Batch Culture Technique 2017 ,		1
15	Development of antioxidant peptides from brewers spent grain proteins. <i>LWT - Food Science and Technology</i> , 2022 , 158, 113162	5.4	1
14	PSII-16 Effect of red osier dogwood extract on in vitro digestibility and fermentation characteristics of high-grain diet. <i>Journal of Animal Science</i> , 2020 , 98, 403-404	0.7	1
13	Quality Assessment of Feed Wheat in Ruminant Diets 2018 ,		1

12	Diets varying in ratio of sweet sorghum silage to corn silage for lactating dairy cows: Feed intake, milk production, blood biochemistry, ruminal fermentation, and ruminal microbial community. <i>Journal of Dairy Science</i> , 2021 , 104, 12600-12615	4	1
11	Effect of commercial slow-release urea product on in vitro rumen fermentation and ruminal microbial community using RUSITEC technique.. <i>Journal of Animal Science and Biotechnology</i> , 2022 , 13, 56	6	1
10	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. <i>Journal of Animal Science</i> , 2021 , 99, 457-458	0.7	0
9	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. <i>Journal of Animal Science</i> , 2021 , 99, 476-477	0.7	0
8	Effect of Dried Distillers Grains With Solubles and Red Osier Dogwood Extract on Fermentation Pattern and Microbial Profiles of a High-Grain Diet in an Artificial Rumen System. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 644738	3.1	0
7	Cloning, phylogenetic analysis, and postnatal expression of oligopeptide transporter PepT1 in gastrointestinal tract of kid goats receiving supplemental feed or pasture. <i>Canadian Journal of Animal Science</i> , 2020 , 100, 605-614	0.9	
6	PSXII-7 Supplementing beef cattle finishing diets with ruminal protected live yeast affected fatty acid profiles in meat. <i>Journal of Animal Science</i> , 2020 , 98, 443-444	0.7	
5	200 Effects of grain processing and undegradable fiber on rumen pH and fermentation of cattle fed high grain diets. <i>Journal of Animal Science</i> , 2020 , 98, 159-160	0.7	
4	PSV-12 Impact of grain processing and undegradable fiber on chewing behavior and feed sorting of finishing beef cattle. <i>Journal of Animal Science</i> , 2020 , 98, 219-219	0.7	
3	PSXIV-14 Supplementation of high-grain diet with red osier dogwood affects in vitro digestibility and fermentation characteristics. <i>Journal of Animal Science</i> , 2021 , 99, 477-477	0.7	
2	307 Effect of Feeding Distillers Grain from Wheat on Growth Performance of Growing and Finishing Beef Cattle. <i>Journal of Animal Science</i> , 2021 , 99, 170-171	0.7	
1	Effect of non-encapsulated and encapsulated active dried yeast on blood cell count, blood metabolites, and immune response of finishing beef heifers. <i>Canadian Journal of Animal Science</i> , 2021 , 101, 390-394	0.9	