Tryon A Wickersham

List of Publications by Year
in descending order

78	1,532	361296 20	330025 37
papers	citations	h-index	g-index

78	78	78	1492
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rumen Bacterial Diversity Dynamics Associated with Changing from Bermudagrass Hay to Grazed Winter Wheat Diets. Microbial Ecology, 2010, 59, 511-522.	1.4	298
2	High-throughput Methods Redefine the Rumen Microbiome and Its Relationship with Nutrition and Metabolism. Bioinformatics and Biology Insights, 2014, 8, BBI.S15389.	1.0	170
3	Effect of rumen-degradable intake protein supplementation on urea kinetics and microbial use of recycled urea in steers consuming low-quality forage1. Journal of Animal Science, 2008, 86, 3079-3088.	0.2	77
4	Effect of ruminal vs postruminal administration of degradable protein on utilization of low-quality forage by beef steers.. Journal of Animal Science, 2001, 79, 225.	0.2	70
5	The value of post-extracted algae residue. Algal Research, 2012, 1, 185-193.	2.4	64
6	Effect of frequency and amount of rumen-degradable intake protein supplementation on urea kinetics and microbial use of recycled urea in steers consuming low-quality forage1. Journal of Animal Science, 2008, 86, 3089-3099.	0.2	44
7	The effects of several supplementation frequencies on forage use and the performance of beef cattle consuming dormant tallgrass prairie forage.. Journal of Animal Science, 2001, 79, 2276.	0.2	43
8	Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture. Anaerobe, 2014, 30, 11-17.	1.0	41
9	Effect of a wide range in the ratio of supplemental rumen degradable protein to starch on utilization of low-quality, grass hay by beef steers. Animal Feed Science and Technology, 2003, 105, 5-20.	1.1	39
10	The values of whole algae and lipid extracted algae meal for aquaculture. Algal Research, 2015, 9, 133-142.	2.4	38
11	Estimation of human-edible protein conversion efficiency, net protein contribution, and enteric methane production from beef production in the United States. Translational Animal Science, 2018, 2, 439-450.	0.4	37
12	Effect of undegradable intake protein supplementation on urea kinetics and microbial use of recycled urea in steers consuming low-quality forage. British Journal of Nutrition, 2009, 101, 225-232.	1.2	36
13	Influence of short-term dietary starch inclusion on the equine cecal microbiome1. Journal of Animal Science, 2017, 95, 5077-5090.	0.2	33
14	Effect of increasing amounts of postextraction algal residue on straw utilization in steers. Journal of Animal Science, 2014, 92, 4642-4649.	0.2	29
15	Ruminal and host adaptations to changes in frequency of protein supplementation1,2. Journal of Animal Science, 2004, 82, 895-903.	0.2	28
16	Effect of supplementation frequency and supplemental urea level on dormant tallgrass-prairie hay intake and digestion by beef steers and prepartum performance of beef cows grazing dormant tallgrass-prairie1,2. Journal of Animal Science, 2004, 82, 884-894.	0.2	22
17	Effect of level of rumen degradable protein and type of supplemental non-fiber carbohydrate on intake and digestion of low-quality grass hay by beef cattle. Animal Feed Science and Technology, 2004, 115, 83-99.	1.1	22
18	Effect of postruminal protein supply on the response to ruminal protein supplementation in beef steers fed a low-quality grass hay. Animal Feed Science and Technology, 2004, 115, 19-36.	1.1	22

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19	Methodology for concurrent determination of urea kinetics and the capture of recycled urea nitrogen by ruminal microbes in cattle. Animal, 2009, 3, 372-379.	1.3	22
20	Effects of a slow-release urea product on performance, carcass characteristics, and nitrogen balance of steers fed steam-flaked corn. Journal of Animal Science, 2012, 90, 3914-3923.	0.2	21
21	Effect of postextraction algal residue supplementation on the ruminal microbiome of steers consuming low-quality forage1. Journal of Animal Science, 2014, 92, 5063-5075.	0.2	20
22	Influence of diet fortification on body composition and apparent digestion in mature horses consuming a low-quality forage. Translational Animal Science, 2020, 4, 1-9.	0.4	20
23	Effect of monensin inclusion on intake, digestion, and ruminal fermentation parameters by Bos taurus indicus and Bos taurus taurus steers consuming bermudagrass hay. Journal of Animal Science, 2017, 95, 2736-2746.	0.2	18
24	Responses in the rumen microbiome of Bos taurus and indicus steers fed a low-quality rice straw diet and supplemented protein. Journal of Animal Science, 2018, 96, 1032-1044.	0.2	18
25	Effects of type of supplemental carbohydrate and source of supplemental rumen degradable protein on low quality forage utilization by beef steers. Animal Feed Science and Technology, 2004, 115, 247-263.	1.1	16
26	The effects of signalment, diet, geographic location, season, and colitis associated with antimicrobial use or <scp>Salmonella</scp> infection on the fecal microbiome of horses. Journal of Veterinary Internal Medicine, 2021, 35, 2437-2448.	0.6	16
27	Metabolic studies reveal that ruminal microbes of adult steers do not degrade rumen-protected or unprotected L-citrulline. Journal of Animal Science, 2020, 98, .	0.2	15
28	Maternal nutrient restriction alters endocrine pancreas development in fetal heifers. Domestic Animal Endocrinology, 2021, 74, 106580.	0.8	14
29	Estimation of Rhizome Composition and Overwintering Ability in Perennial Sorghum spp. Using Near-Infrared Spectroscopy (NIRS). Bioenergy Research, 2013, 6, 822-829.	2.2	12
30	Post-extraction algal residue in beef steer finishing diets: II. Beef flavor, fatty acid composition, and tenderness. Algal Research, 2017, 25, 578-583.	2.4	12
31	Glucose and acetate metabolism in bovine intramuscular and subcutaneous adipose tissues from steers infused with glucose, propionate, or acetate. Journal of Animal Science, 2018, 96, 921-929.	0.2	12
32	Ruminal microbes of adult steers do not degrade extracellular L-citrulline and have a limited ability to metabolize extracellular L-glutamate1,2. Journal of Animal Science, 2019, 97, 3611-3616.	0.2	12
33	Abomasal infusion of arginine stimulates SCD and C/EBPÃŸ gene expression, and decreases CPT1ÃŸ gene expression in bovine adipose tissue independent of conjugated linoleic acid. Amino Acids, 2014, 46, 353-366.	1.2	11
34	Effects of feeding monensin to bred heifers fed in a drylot on nutrient and energy balance. Journal of Animal Science, 2018, 96, 1171-1180.	0.2	11
35	Feeding Dairy Cows With â€œLeftoversâ€•and the Variation in Recovery of Human-Edible Nutrients in Milk. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	11
36	Impact of exercise on productivity, behavior, and immune functioning of weaned Bos indicusâ€“cross calves housed in drylots. Journal of Animal Science, 2017, 95, 5230-5239.	0.2	9

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37	Limit feeding as a strategy to increase energy efficiency in intensified cowâ€“calf production systems1. Translational Animal Science, 2019, 3, 796-810.	0.4	9
38	Influence of dietary methionine concentration on growth and nitrogen balance in weanling Quarter Horses. Journal of Animal Science, 2011, 89, 2132-2138.	0.2	8
39	Effect of monensin withdrawal on intake, digestion, and ruminal fermentation parameters by Bos taurus indicus and Bos taurus taurus steers consuming bermudagrass hay. Journal of Animal Science, 2017, 95, 2747-2757.	0.2	8
40	The effects of the forage-to-concentrate ratio on the conversion of digestible energy to metabolizable energy in growing beef steers. Journal of Animal Science, 2020, 98, .	0.2	8
41	Effects of metaphylaxis on production responses and total antimicrobial use in high-risk beef calves. Applied Animal Science, 2020, 36, 265-270.	0.4	8
42	Maternal nutrient restriction in late pregnancy programs postnatal metabolism and pituitary development in beef heifers. PLoS ONE, 2021, 16, e0249924.	1.1	8
43	Evaluation of Black Soldier Fly larvae (Hermetia illucens) as a protein supplement for beef steers consuming low-quality forage. Translational Animal Science, 2022, 6, txac018.	0.4	8
44	Influence of limited fall protein supplementation on performance and forage utilization by beef cattle grazing low-quality native grass pastures. Animal Feed Science and Technology, 2006, 127, 234-250.	1.1	7
45	Case Study: Effect of exercise programs during receiving in a commercial feedlot on behavior and productivity of Brahman crossbred calves: Results from a commercial environment and a comparison to the research environment. The Professional Animal Scientist, 2018, 34, 653-663.	0.7	7
46	The influence of taste in willingness-to-pay valuations of sirloin steaks from postextraction algal residueâ€“fed cattle. Journal of Animal Science, 2016, 94, 3072-3083.	0.2	6
47	Post-extraction algal residue in beef steer finishing diets: I. Nutrient utilization and carcass characteristics. Algal Research, 2017, 25, 584-588.	2.4	6
48	070 Ruminal microbes of adult steers extensively degrade l-glutamine but not l-glutamate or l-citrulline. Journal of Animal Science, 2017, 95, 35-35.	0.2	6
49	Dry-matter yields and crude protein and rumen-degradable protein concentrations of three Arachis pintoi ecotypes at different stages of regrowth in the humid tropics. Grass and Forage Science, 2005, 60, 237-243.	1.2	5
50	Effect of maternal overnutrition on predisposition to insulin resistance in the foal: Maternal parameters and foal pancreas histoarchitecture. Animal Reproduction Science, 2021, 227, 106720.	0.5	5
51	Effect of monensin inclusion on intake, digestion, and ruminal fermentation parameters by and steers consuming bermudagrass hay. Journal of Animal Science, 2017, 95, 2736.	0.2	5
52	Influence of maternal plane of nutrition on mares and their foals: Determination of mare performance and voluntary dry matter intake during late pregnancy using a dual-marker system. Journal of Animal Science, 2013, 91, 4208-4215.	0.2	4
53	Effects of monensin inclusion and level of intake in limit-feeding strategies for beef cows1. Translational Animal Science, 2020, 4, txaa108.	0.4	4
54	Post-extraction algal residue as a protein supplement for beef steers consuming forage: Palatability and nutrient utilization. Animal Feed Science and Technology, 2021, 273, 114796.	1.1	4

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55	Effect of monensin withdrawal on intake, digestion, and ruminal fermentation parameters by and steers consuming bermudagrass hay. Journal of Animal Science, 2017, 95, 2747.	0.2	4
56	Effect of Distillers Feedstuffs and Lasalocid on Campylobacter Carriage in Feedlot Cattle. Journal of Food Protection, 2014, 77, 1968-1975.	0.8	3
57	087 Effect of Feeding Method on Performance of Mid-Gestation Cows. Journal of Animal Science, 2016, 95, 43-43.	0.2	3
58	Net protein contribution of beef feedlots from 2006 to 2017. Translational Animal Science, 2019, 3, 1575-1584.	0.4	3
59	Effects of adding liquid lactose or molasses to pelleted swine diets on pellet quality and pig performance. Translational Animal Science, 2020, 4, 616-629.	0.4	3
60	Effect of supplementation frequency and supplemental urea level on dormant tallgrass-prairie hay intake and digestion by beef steers and prepartum performance of beef cows grazing dormant tallgrass-prairie1,2. Journal of Animal Science, 2004, 82, 884-894.	0.2	3
61	Ruminal and host adaptations to changes in frequency of protein supplementation1,2. Journal of Animal Science, 2004, 82, 895-903.	0.2	3
62	Evaluation of net protein contribution, methane production, and net returns from beef production as duration of confinement increases in the cowâ€“calf sector1. Journal of Animal Science, 2019, 97, 2675-2686.	0.2	2
63	Effects of diet type on nutrient utilization and energy balance in drylot heifers1. Journal of Animal Science, 2020, 98, .	0.2	2
64	Effect of source and level of protein supplementation on rice straw utilization by Brahman steers. Journal of Animal Science, 2017, 95, 387-394.	0.2	1
65	107 Effects of Dietary Energy Density and Intake on Energy Requirements in Beef Cows.. Journal of Animal Science, 2018, 96, 53-53.	0.2	1
66	93 Production and Economic Effects of Developing Heifers on Three Different Levels of Single Stair-Step Nutrition Programs.. Journal of Animal Science, 2018, 96, 49-50.	0.2	1
67	Evaluation of dietary trace mineral supplementation in young horses challenged with intra-articular lipopolysaccharide1. Translational Animal Science, 2020, 4, 1148-1163.	0.4	1
68	Expeller-pressed and solvent-extracted Pongamia seedcake as a protein supplement for cattle consuming a basal diet of forage. Animal Feed Science and Technology, 2020, 266, 114521.	1.1	1
69	Effect of bioactive proteins on gait kinematics and systemic inflammatory markers in mature horses. Translational Animal Science, 2021, 5, txab017.	0.4	1
70	Texas panhandle beef production tour, a high-impact compressed course in animal science. Translational Animal Science, 0, , .	0.4	1
71	Influence of housing type on the cecal environment of horses. Translational Animal Science, 2019, 3, 877-884.	0.4	0
72	Nutritional Programming of Beef Heifers. Proceedings (mdpi), 2020, 36, .	0.2	0

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73	Technical note: Relationship between placentome location and gene expression in bovine pregnancy. Journal of Animal Science, 2020, 98, .	0.2	0
74	Effect of feeding method on nutrient utilization and cow performance in limit-fed cow-calf systems. Translational Animal Science, 2021, 5, txab027.	0.4	0
75	Effects of crude protein content on intake and digestion of coastal bermudagrass hay by horses. Translational Animal Science, 2021, 5, txab073.	0.4	0
76	PSX-B-3 Effect of infrequent nitrogen supplementation on forage utilization. Journal of Animal Science, 2021, 99, 459-460.	0.2	0
77	Effect of source and level of protein supplementation on rice straw utilization by Brahman steers. Journal of Animal Science, 2017, 95, 387.	0.2	0
78	In which department should forages be taught?. Translational Animal Science, 0, , .	0.4	0