

Jason E Sawyer

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

1,212
citations

430754

18
h-index

434063

31
g-index

85
all docs

85
docs citations

85
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Tylosin, a Direct-Fed Microbial and Feedlot Pen Environment on Phenotypic Resistance among Enterococci Isolated from Beef Cattle Feces. <i>Antibiotics</i> , 2022, 11, 106.	1.5	4
2	Predicting metabolizable energy from digestible energy for growing and finishing beef cattle and relationships to the prediction of methane. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	4
3	Systems Assessment of Beef Sustainability. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2022, 38, 209-217.	0.5	0
4	Maternal nutrient restriction alters endocrine pancreas development in fetal heifers. <i>Domestic Animal Endocrinology</i> , 2021, 74, 106580.	0.8	14
5	Effect of feeding method on nutrient utilization and cow performance in limit-fed cow-calf systems. <i>Translational Animal Science</i> , 2021, 5, txab027.	0.4	0
6	Post-extraction algal residue as a protein supplement for beef steers consuming forage: Palatability and nutrient utilization. <i>Animal Feed Science and Technology</i> , 2021, 273, 114796.	1.1	4
7	Maternal nutrient restriction in late pregnancy programs postnatal metabolism and pituitary development in beef heifers. <i>PLoS ONE</i> , 2021, 16, e0249924.	1.1	8
8	Rider Energy Expenditure During High Intensity Horse Activity. <i>Journal of Equine Veterinary Science</i> , 2021, 102, 103463.	0.4	3
9	Effects of Multivalent BRD Vaccine Treatment and Temperament on Performance and Feeding Behavior Responses to a BVDV1b Challenge in Beef Steers. <i>Animals</i> , 2021, 11, 2133.	1.0	0
10	Evaluation of Autogenous Vaccine Use in Mitigating Salmonella in Lymph Nodes from Feedlot Cattle in Texas. <i>Journal of Food Protection</i> , 2021, 84, 80-86.	0.8	1
11	Measuring economic sustainability at the ranch level. <i>Rangelands</i> , 2021, 43, 240-245.	0.9	2
12	Macrolide-susceptible probiotic <i>Enterococcus faecium</i> ST296 exhibits faecal-environmental-orol microbial community cycling among beef cattle in feedlots. <i>Letters in Applied Microbiology</i> , 2020, 70, 274-281.	1.0	6
13	Effects of monensin inclusion and level of intake in limit-feeding strategies for beef cows ¹ . <i>Translational Animal Science</i> , 2020, 4, txaa108.	0.4	4
14	Effects of <i>Bacillus subtilis</i> PB6 and/or chromium propionate supplementation on serum chemistry, complete blood count, and fecal <i>Salmonella</i> spp. count in high-risk cattle during the feedlot receiving and finishing periods ^{1,2} . <i>Translational Animal Science</i> , 2020, 4, txaa164.	0.4	4
15	Rumen epithelial transcriptome and microbiome profiles of rumen epithelium and contents of beef cattle with and without liver abscesses. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	10
16	The effects of the forage-to-concentrate ratio on the conversion of digestible energy to metabolizable energy in growing beef steers. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	8
17	Effects of metaphylaxis on production responses and total antimicrobial use in high-risk beef calves. <i>Applied Animal Science</i> , 2020, 36, 265-270.	0.4	8
18	Shedding and characterization of gastrointestinal nematodes of growing beef heifers in Central Texas. <i>Veterinary Parasitology: X</i> , 2020, 3, 100024.	2.7	1

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19	Effects of diet type on nutrient utilization and energy balance in drylot heifers ¹ . <i>Journal of Animal Science</i> , 2020, 98, .	0.2	2
20	Effects of steam flaking on the carbon footprint of finishing beef cattle ^{1,2} . <i>Translational Animal Science</i> , 2020, 4, S84-S89.	0.4	3
21	Growing Degree Day: Noninvasive Remotely Sensed Method to Monitor Diet Crude Protein in Free-Ranging Cattle. <i>Rangeland Ecology and Management</i> , 2020, 73, 234-242.	1.1	4
22	Relationships between digestible energy and metabolizable energy in current feedlot diets ¹ . <i>Translational Animal Science</i> , 2019, 3, 945-952.	0.4	22
23	Net protein contribution of beef feedlots from 2006 to 2017. <i>Translational Animal Science</i> , 2019, 3, 1575-1584.	0.4	3
24	Evaluation of active dried yeast in the diets of feedlot steers ¹ : Effects on feeding performance traits, the composition of growth, and carcass characteristics ¹ . <i>Journal of Animal Science</i> , 2019, 97, 1335-1346.	0.2	8
25	Limit feeding as a strategy to increase energy efficiency in intensified cow ¹ calf production systems ¹ . <i>Translational Animal Science</i> , 2019, 3, 796-810.	0.4	9
26	Effects of wet corn distiller ¹ ™s grains with solubles and nonprotein nitrogen on feeding efficiency, growth performance, carcass characteristics, and nutrient losses of yearling steers ^{1,2} . <i>Journal of Animal Science</i> , 2019, 97, 2609-2630.	0.2	7
27	Evaluation of net protein contribution, methane production, and net returns from beef production as duration of confinement increases in the cow ¹ calf sector ¹ . <i>Journal of Animal Science</i> , 2019, 97, 2675-2686.	0.2	2
28	What is the digestibility and caloric value of different botanical parts in corn residue to cattle? ¹ . <i>Journal of Animal Science</i> , 2019, 97, 3056-3070.	0.2	9
29	Evaluation of active dried yeast in the diets of feedlot steers. II. Effects on rumen pH and liver health of feedlot steers ¹ . <i>Journal of Animal Science</i> , 2019, 97, 1347-1363.	0.2	13
30	Genome-wide association study for stayability measures in Nellore ¹ Angus crossbred cows ¹ . <i>Journal of Animal Science</i> , 2018, 96, 1205-1214.	0.2	7
31	107 Effects of Dietary Energy Density and Intake on Energy Requirements in Beef Cows.. <i>Journal of Animal Science</i> , 2018, 96, 53-53.	0.2	1
32	Glucose and acetate metabolism in bovine intramuscular and subcutaneous adipose tissues from steers infused with glucose, propionate, or acetate. <i>Journal of Animal Science</i> , 2018, 96, 921-929.	0.2	12
33	93 Production and Economic Effects of Developing Heifers on Three Different Levels of Single Stair-Step Nutrition Programs.. <i>Journal of Animal Science</i> , 2018, 96, 49-50.	0.2	1
34	Comparison of Salmonella Prevalence Rates in Bovine Lymph Nodes across Feeding Stages. <i>Journal of Food Protection</i> , 2018, 81, 549-553.	0.8	6
35	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. <i>The Professional Animal Scientist</i> , 2018, 34, 653-663.	0.7	7
36	Estimation of human-edible protein conversion efficiency, net protein contribution, and enteric methane production from beef production in the United States. <i>Translational Animal Science</i> , 2018, 2, 439-450.	0.4	37

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37	Evaluation of F1 cows sired by Brahman, Boran, and Tuli bulls for reproductive, maternal, and cow longevity traits. <i>Journal of Animal Science</i> , 2018, 96, 2545-2552.	0.2	2
38	Effects of feeding monensin to bred heifers fed in a drylot on nutrient and energy balance. <i>Journal of Animal Science</i> , 2018, 96, 1171-1180.	0.2	11
39	Post-extraction algal residue in beef steer finishing diets: I. Nutrient utilization and carcass characteristics. <i>Algal Research</i> , 2017, 25, 584-588.	2.4	6
40	Evaluation of Commercial β -Agonists, Dietary Protein, and Shade on Fecal Shedding of <i>Escherichia coli</i> O157:H7 from Feedlot Cattle. <i>Foodborne Pathogens and Disease</i> , 2017, 14, 649-655.	0.8	3
41	Post-extraction algal residue in beef steer finishing diets: II. Beef flavor, fatty acid composition, and tenderness. <i>Algal Research</i> , 2017, 25, 578-583.	2.4	12
42	Effect of source and level of protein supplementation on rice straw utilization by Brahman steers. <i>Journal of Animal Science</i> , 2017, 95, 387-394.	0.2	1
43	Feed Intake and Weight Changes in <i>Bos indicus</i> - <i>Bos taurus</i> Crossbred Steers Following Bovine Viral Diarrhea Virus Type 1b Challenge Under Production Conditions. <i>Pathogens</i> , 2017, 6, 66.	1.2	1
44	Effect of monensin inclusion on intake, digestion, and ruminal fermentation parameters by <i>Bos taurus indicus</i> and <i>Bos taurus taurus</i> steers consuming bermudagrass hay. <i>Journal of Animal Science</i> , 2017, 95, 2736-2746.	0.2	18
45	Effect of monensin withdrawal on intake, digestion, and ruminal fermentation parameters by <i>Bos taurus indicus</i> and <i>Bos taurus taurus</i> steers consuming bermudagrass hay. <i>Journal of Animal Science</i> , 2017, 95, 2747-2757.	0.2	8
46	Impact of exercise on productivity, behavior, and immune functioning of weaned <i>Bos indicus</i> cross calves housed in drylots. <i>Journal of Animal Science</i> , 2017, 95, 5230-5239.	0.2	9
47	Persistence of <i>Escherichia coli</i> O157:H7 and Total <i>Escherichia coli</i> in Feces and Feedlot Surface Manure from Cattle Fed Diets with and without Corn or Sorghum Wet Distillers Grains with Solubles. <i>Journal of Food Protection</i> , 2017, 80, 1317-1327.	0.8	3
48	Association of udder traits with single nucleotide polymorphisms in crossbred cows. <i>Journal of Animal Science</i> , 2017, 95, 2399.	0.2	10
49	Effect of monensin inclusion on intake, digestion, and ruminal fermentation parameters by and steers consuming bermudagrass hay. <i>Journal of Animal Science</i> , 2017, 95, 2736.	0.2	5
50	Effect of monensin withdrawal on intake, digestion, and ruminal fermentation parameters by and steers consuming bermudagrass hay. <i>Journal of Animal Science</i> , 2017, 95, 2747.	0.2	4
51	Effect of source and level of protein supplementation on rice straw utilization by Brahman steers. <i>Journal of Animal Science</i> , 2017, 95, 387.	0.2	0
52	Crossbred <i>Bos indicus</i> steer temperament as yearlings and whole genome association of steer temperament as yearlings and calf temperament post-weaning. <i>Journal of Animal Science</i> , 2016, 94, 1408-1414.	0.2	14
53	Effect of Feeding Method on Performance of Mid-Gestation Cows. <i>Journal of Animal Science</i> , 2016, 95, 43-43.	0.2	3
54	The influence of taste in willingness-to-pay valuations of sirloin steaks from postextraction algal residue-fed cattle. <i>Journal of Animal Science</i> , 2016, 94, 3072-3083.	0.2	6

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55	Antibody titers to vaccination are not predictive of level of protection against a BVDV type 1b challenge in <i>Bos indicus</i> - <i>Bos taurus</i> steers. <i>Vaccine</i> , 2016, 34, 5053-5059.	1.7	21
56	Effect of late gestation bodyweight change and condition score on progeny feedlot performance. <i>Animal Production Science</i> , 2016, 56, 1998.	0.6	16
57	Effect of increasing amounts of postextraction algal residue on straw utilization in steers. <i>Journal of Animal Science</i> , 2014, 92, 4642-4649.	0.2	29
58	Alternative parameterizations of relatedness in whole genome association analysis of pre-weaning traits of Nelore-Angus calves. <i>Genetics and Molecular Biology</i> , 2014, 37, 518-525.	0.6	3
59	Conjugated Linoleic Acid (c18:1n7, c18:2) Reduces Fatty Acid Synthesis de Novo, but not Expression of Genes for Lipid Metabolism in Bovine Adipose Tissue ex Vivo. <i>Lipids</i> , 2014, 49, 15-24.	0.7	26
60	Effect of postextraction algal residue supplementation on the ruminal microbiome of steers consuming low-quality forage1. <i>Journal of Animal Science</i> , 2014, 92, 5063-5075.	0.2	20
61	Genetic evaluation of aspects of temperament in Nelore-Angus calves1,2. <i>Journal of Animal Science</i> , 2014, 92, 3223-3230.	0.2	13
62	Novel transcriptome assembly and improved annotation of the whiteleg shrimp (<i>Litopenaeus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.6	89
63	Fatty acid biosynthesis and lipogenic enzyme activities in subcutaneous adipose tissue of feedlot steers fed supplementary palm oil or soybean oil1. <i>Journal of Animal Science</i> , 2013, 91, 2091-2098.	0.2	26
64	Effects of Fertility on Gene Expression and Function of the Bovine Endometrium. <i>PLoS ONE</i> , 2013, 8, e69444.	1.1	58
65	Influence of protein type and level on nitrogen and forage use in cows consuming low-quality forage. <i>Journal of Animal Science</i> , 2012, 90, 2324-2330.	0.2	17
66	Whole-Genome sequencing and genetic variant analysis of a quarter Horse mare. <i>BMC Genomics</i> , 2012, 13, 78.	1.2	60
67	Adipogenic gene expression and fatty acid composition in subcutaneous adipose tissue depots of Angus steers between 9 and 16 months of age1. <i>Journal of Animal Science</i> , 2012, 90, 2505-2514.	0.2	37
68	The value of post-extracted algae residue. <i>Algal Research</i> , 2012, 1, 185-193.	2.4	64
69	Technical note: Evaluation of bimodal distribution models to determine meal criterion in heifers fed a high-grain diet. <i>Journal of Animal Science</i> , 2012, 90, 2750-2753.	0.2	13
70	Winter protein management during late gestation alters range cow and steer progeny performance1. <i>Journal of Animal Science</i> , 2012, 90, 5099-5106.	0.2	10
71	Substrate utilization and dose response to insulin by subcutaneous adipose tissue of Angus steers fed corn- or hay-based diets. <i>Journal of Animal Science</i> , 2009, 87, 2338-2345.	0.2	5
72	Effects of different growing diets on performance, carcass characteristics, insulin sensitivity, and accretion of intramuscular and subcutaneous adipose tissue of feedlot cattle. <i>Journal of Animal Science</i> , 2009, 87, 1540-1547.	0.2	24

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73	Cellular regulation of bovine intramuscular adipose tissue development and composition ¹² . <i>Journal of Animal Science</i> , 2009, 87, E72-E82.	0.2	135
74	Color stability and biochemical characteristics of bovine muscles when enhanced with L- or D-potassium lactate in high-oxygen modified atmospheres. <i>Meat Science</i> , 2009, 82, 234-240.	2.7	29
75	Evaluation of Growth-Based Predictions of Carcass Fat and Marbling at Slaughter Using Ultrasound Measurements 1. <i>The Professional Animal Scientist</i> , 2009, 25, 434-442.	0.7	4
76	Dietary Supplementation of Two Varying Sources of n-3 Fatty Acids and Subsequent Effects on Fresh, Cooled, and Frozen Seminal Characteristics of Stallions. <i>The Professional Animal Scientist</i> , 2009, 25, 768-773.	0.7	9
77	Effect of Xylitol on Adhesion of Salmonella Typhimurium and Escherichia coli O157:H7 to Beef Carcass Surfaces. <i>Journal of Food Protection</i> , 2008, 71, 405-410.	0.8	3
78	Impact of the Ethanol Boom on Livestock and Dairy Industries: What Are They Going to Eat?. <i>Journal of Agricultural & Applied Economics</i> , 2008, 40, 573-579.	0.8	20
79	Nutritional Management of Grazing Beef Cows. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2007, 23, 1-19.	0.5	5
80	Effect of dietary energy source on in vitro substrate utilization and insulin sensitivity of muscle and adipose tissues of Angus and Wagyu steers. <i>Journal of Animal Science</i> , 2007, 85, 1719-1726.	0.2	49
81	Effects of supplements that contain increasing amounts of metabolizable protein with or without Ca-propionate salt on postpartum interval and nutrient partitioning in young beef cows ¹ . <i>Journal of Animal Science</i> , 2006, 84, 433-446.	0.2	32
82	Feeding Value of Singed Walkingstick Cholla. <i>Rangeland Ecology and Management</i> , 2005, 58, 430-433.	1.1	1
83	Effects of feeding strategy and age on live animal performance, carcass characteristics, and economics of short-term feeding programs for culled beef cows ¹ . <i>Journal of Animal Science</i> , 2004, 82, 3646-3653.	0.2	39
84	The Nutritive Quality of Cholla Cactus as Affected by Burning. <i>Journal of Range Management</i> , 2001, 54, 249.	0.3	5
85	Effects of a Moderate or Aggressive Implant Strategy on the Rumen Microbiome and Metabolome in Steers. <i>Frontiers in Animal Science</i> , 0, 3, .	0.8	0