

Jason E Sawyer

List of Publications by Year in descending order

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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	Cellular regulation of bovine intramuscular adipose tissue development and composition12. Journal of Animal Science, 2009, 87, E72-E82.	0.2	135
2	Novel transcriptome assembly and improved annotation of the whiteleg shrimp (<i>Litopenaeus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.6	89
3	The value of post-extracted algae residue. Algal Research, 2012, 1, 185-193.	2.4	64
4	Whole-Genome sequencing and genetic variant analysis of a quarter Horse mare. BMC Genomics, 2012, 13, 78.	1.2	60
5	Effects of Fertility on Gene Expression and Function of the Bovine Endometrium. PLoS ONE, 2013, 8, e69444.	1.1	58
6	Effect of dietary energy source on in vitro substrate utilization and insulin sensitivity of muscle and adipose tissues of Angus and Wagyu steers. Journal of Animal Science, 2007, 85, 1719-1726.	0.2	49
7	Effects of feeding strategy and age on live animal performance, carcass characteristics, and economics of short-term feeding programs for culled beef cows1. Journal of Animal Science, 2004, 82, 3646-3653.	0.2	39
8	Adipogenic gene expression and fatty acid composition in subcutaneous adipose tissue depots of Angus steers between 9 and 16 months of age1. Journal of Animal Science, 2012, 90, 2505-2514.	0.2	37
9	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
10	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 cows1. Journal of Animal Science, 2006, 84, 433-446.	0.2	32
11	Color stability and biochemical characteristics of bovine muscles when enhanced with L- or D-potassium lactate in high-oxygen modified atmospheres. Meat Science, 2009, 82, 234-240.	2.7	29
12	Effect of increasing amounts of postextraction algal residue on straw utilization in steers. Journal of Animal Science, 2014, 92, 4642-4649.	0.2	29
13	Fatty acid biosynthesis and lipogenic enzyme activities in subcutaneous adipose tissue of feedlot steers fed supplementary palm oil or soybean oil1. Journal of Animal Science, 2013, 91, 2091-2098.	0.2	26
14	Conjugated Linoleic Acid (α -10, α -12) Reduces Fatty Acid Synthesis de Novo, but not Expression of Genes for Lipid Metabolism in Bovine Adipose Tissue ex Vivo. Lipids, 2014, 49, 15-24.	0.7	26
15	Effects of different growing diets on performance, carcass characteristics, insulin sensitivity, and accretion of intramuscular and subcutaneous adipose tissue of feedlot cattle. Journal of Animal Science, 2009, 87, 1540-1547.	0.2	24
16	Relationships between digestible energy and metabolizable energy in current feedlot diets1. Translational Animal Science, 2019, 3, 945-952.	0.4	22
17	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. Vaccine, 2016, 34, 5053-5059.	1.7	21
18	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

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19	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
20	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
21	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
22	Effect of late gestation bodyweight change and condition score on progeny feedlot performance. <i>Animal Production Science</i> , 2016, 56, 1998.	0.6	16
23	Crossbred <i>Bos indicus</i> steer temperament as yearlings and whole genome association of steer temperament as yearlings and calf temperament post-weaning ^{1,2} . <i>Journal of Animal Science</i> , 2016, 94, 1408-1414.	0.2	14
24	Maternal nutrient restriction alters endocrine pancreas development in fetal heifers. <i>Domestic Animal Endocrinology</i> , 2021, 74, 106580.	0.8	14
25	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
26	Genetic evaluation of aspects of temperament in Nellore ^{1,2} Angus calves. <i>Journal of Animal Science</i> , 2014, 92, 3223-3230.	0.2	13
27	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
28	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
29	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
30	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
31	Winter protein management during late gestation alters range cow and steer progeny performance ¹ . <i>Journal of Animal Science</i> , 2012, 90, 5099-5106.	0.2	10
32	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
33	Association of udder traits with single nucleotide polymorphisms in crossbred ¹ cows. <i>Journal of Animal Science</i> , 2017, 95, 2399.	0.2	10
34	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
35	Impact of exercise on productivity, behavior, and immune functioning of weaned <i>Bos indicus</i> ¹ cross calves housed in drylots. <i>Journal of Animal Science</i> , 2017, 95, 5230-5239.	0.2	9
36	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

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37	What is the digestibility and caloric value of different botanical parts in corn residue to cattle?1. Journal of Animal Science, 2019, 97, 3056-3070.	0.2	9
38	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
39	Evaluation of active dried yeast in the diets of feedlot steers: Effects on feeding performance traits, the composition of growth, and carcass characteristics1. Journal of Animal Science, 2019, 97, 1335-1346.	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	Genome-wide association study for stayability measures in Nellore-Angus crossbred cows1. Journal of Animal Science, 2018, 96, 1205-1214.	0.2	7
44	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
45	Effects of wet corn distiller's grains with solubles and nonprotein nitrogen on feeding efficiency, growth performance, carcass characteristics, and nutrient losses of yearling steers12. Journal of Animal Science, 2019, 97, 2609-2630.	0.2	7
46	The influence of taste in willingness-to-pay valuations of sirloin steaks from postextraction algal residue-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	Comparison of Salmonella Prevalence Rates in Bovine Lymph Nodes across Feeding Stages. Journal of Food Protection, 2018, 81, 549-553.	0.8	6
49	Macrolide-susceptible probiotic <i>Enterococcus faecium</i> ST296 exhibits faecal environmental microbial community cycling among beef cattle in feedlots. Letters in Applied Microbiology, 2020, 70, 274-281.	1.0	6
50	The Nutritive Quality of Cholla Cactus as Affected by Burning. Journal of Range Management, 2001, 54, 249.	0.3	5
51	Nutritional Management of Grazing Beef Cows. Veterinary Clinics of North America - Food Animal Practice, 2007, 23, 1-19.	0.5	5
52	Substrate utilization and dose response to insulin by subcutaneous adipose tissue of Angus steers fed corn- or hay-based diets. Journal of Animal Science, 2009, 87, 2338-2345.	0.2	5
53	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
54	Evaluation of Growth-Based Predictions of Carcass Fat and Marbling at Slaughter Using Ultrasound Measurements 1. The Professional Animal Scientist, 2009, 25, 434-442.	0.7	4

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55	Effects of monensin inclusion and level of intake in limit-feeding strategies for beef cows ¹ . <i>Translational Animal Science</i> , 2020, 4, txaal108.	0.4	4
56	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, txaal164.	0.4	4
57	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
58	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
59	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
60	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
61	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
62	Effect of Xylitol on Adhesion of <i>Salmonella</i> Typhimurium and <i>Escherichia coli</i> O157:H7 to Beef Carcass Surfaces. <i>Journal of Food Protection</i> , 2008, 71, 405-410.	0.8	3
63	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
64	087 Effect of Feeding Method on Performance of Mid-Gestation Cows. <i>Journal of Animal Science</i> , 2016, 95, 43-43.	0.2	3
65	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
66	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
67	Net protein contribution of beef feedlots from 2006 to 2017. <i>Translational Animal Science</i> , 2019, 3, 1575-1584.	0.4	3
68	Rider Energy Expenditure During High Intensity Horse Activity. <i>Journal of Equine Veterinary Science</i> , 2021, 102, 103463.	0.4	3
69	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
70	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
71	Evaluation of net protein contribution, methane production, and net returns from beef production as duration of confinement increases in the cow-calf sector ¹ . <i>Journal of Animal Science</i> , 2019, 97, 2675-2686.	0.2	2
72	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

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73	Measuring economic sustainability at the ranch level. <i>Rangelands</i> , 2021, 43, 240-245.	0.9	2
74	Feeding Value of Singed Walkingstick Cholla. <i>Rangeland Ecology and Management</i> , 2005, 58, 430-433.	1.1	1
75	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
76	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
77	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
78	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
79	Shedding and characterization of gastrointestinal nematodes of growing beef heifers in Central Texas. <i>Veterinary Parasitology: X</i> , 2020, 3, 100024.	2.7	1
80	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
81	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
82	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
83	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
84	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
85	Systems Assessment of Beef Sustainability. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2022, 38, 209-217.	0.5	0