Bradley J Johnson

List of Publications by Year
in descending order

57 papers	1,564 citations	236925 25 h-index	315739 38 g-index
57 all docs	57 docs citations	57 times ranked	899 citing authors

#	Article	IF	Citations
1	Effect of a combined trenbolone acetate and estradiol implant on feedlot performance, carcass characteristics, and carcass composition of feedlot steers.. Journal of Animal Science, 1996, 74, 363.	0.5	131
2	Activation state of muscle satellite cells isolated from steers implanted with a combined trenbolone acetate and estradiol implant.. Journal of Animal Science, 1998, 76, 2779.	0.5	84
3	Stimulation of circulating insulin-like growth factor I (IGF-I) and insulin-like growth factor binding proteins (IGFBP) due to administration of a combined trenbolone acetate and estradiol implant in feedlot cattle.. Journal of Animal Science, 1996, 74, 372.	0.5	67
4	Response to ractopamine-hydrogen chloride is similar in yearling steers across days on feed1. Journal of Animal Science, 2007, 85, 413-419.	0.5	64
5	Effects of zilpaterol hydrochloride with or without an estrogen-trenbolone acetate terminal implant on carcass traits, retail cutout, tenderness, and muscle fiber diameter in finishing steers1. Journal of Animal Science, 2009, 87, 3702-3711.	0.5	60
6	Additive effects of a steroidal implant and zilpaterol hydrochloride on feedlot performance, carcass characteristics, and skeletal muscle messenger ribonucleic acid abundance in finishing steers1. Journal of Animal Science, 2010, 88, 330-337.	0.5	57
7	Effects of zilpaterol hydrochloride and days on the finishing diet on feedlot performance, carcass characteristics, and tenderness in beef heifers1. Journal of Animal Science, 2012, 90, 3301-3311.	0.5	56
8	Roles of IGF-I and the estrogen, androgen and IGF-I receptors in estradiol-17Î²- and trenbolone acetate-stimulated proliferation of cultured bovine satellite cells. Domestic Animal Endocrinology, 2008, 35, 88-97.	1.6	54
9	Time course of changes in growth factor mRNA levels in muscle of steroid-implanted and nonimplanted steers1,2,3. Journal of Animal Science, 2003, 81, 2733-2740.	0.5	51
10	Perspectives on the application of zilpaterol hydrochloride in the United States beef industry. Journal of Animal Science, 2010, 88, 2825-2828.	0.5	47
11	Effects of duration of zilpaterol hydrochloride and days on the finishing diet on carcass cutability, composition, tenderness, and skeletal muscle gene expression in feedlot steers1. Journal of Animal Science, 2009, 87, 3686-3701.	0.5	42
12	Effects of implants of trenbolone acetate, estradiol, or both, on muscle insulin-like growth factor-I, insulin-like growth factor-I receptor, estrogen receptor-Î±, and androgen receptor messenger ribonucleic acid levels in feedlot steers1. Journal of Animal Science, 2008, 86, 3418-3423.	0.5	39
13	Co-culture of bovine muscle satellite cells with preadipocytes increases PPARÎ³ and C/EBPÎ² gene expression in differentiated myoblasts and increases GPR43 gene expression in adipocytes. Journal of Nutritional Biochemistry, 2013, 24, 539-543.	4.2	39
14	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.	0.5	37
15	Application of growth technologies in enhancing food security and sustainability. Animal Frontiers, 2013, 3, 8-13.	1.7	37
16	Effects of flax supplementation and a combined trenbolone acetate and estradiol implant on circulating insulin-like growth factor-I and muscle insulin-like growth factor-I messenger RNA levels in beef cattle1,2. Journal of Animal Science, 2003, 81, 3028-3034.	0.5	35
17	Effect of feedlot management system on response to ractopamine-HCl in yearling steers1. Journal of Animal Science, 2008, 86, 2401-2414.	0.5	35
18	Performance of finishing beef steers in response to anabolic implant and zilpaterol hydrochloride supplementation1. Journal of Animal Science, 2011, 89, 560-570.	0.5	35

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19	Chromium supplementation alters both glucose and lipid metabolism in feedlot cattle during the receiving period1, 2, 3. Journal of Animal Science, 2012, 90, 4857-4865.	0.5	33
20	Chromium supplementation alters the performance and health of feedlot cattle during the receiving period and enhances their metabolic response to a lipopolysaccharide challenge1â€“3. Journal of Animal Science, 2012, 90, 3879-3888.	0.5	33
21	Response to ractopamine-HCl in heifers is altered by implant strategy across days on feed1. Journal of Animal Science, 2007, 85, 2125-2132.	0.5	31
22	Yeast cell wall supplementation alters the metabolic responses of crossbred heifers to an endotoxin challenge. Innate Immunity, 2014, 20, 104-112.	2.4	31
23	Mechanisms of steroidal implants to improve beef cattle growth: a review. Journal of Applied Animal Research, 2020, 48, 133-141.	1.2	31
24	Dose and release pattern of anabolic implants affects growth of finishing beef steers across days on feed1. Journal of Animal Science, 2011, 89, 863-873.	0.5	30
25	AMPKÎ±, C/EBPÎ², CPT1Î², GPR43, PPARÎ³, and SCD Gene Expression in Single- and Co-cultured Bovine Satellite Cells and Intramuscular Preadipocytes Treated with Palmitic, Stearic, Oleic, and Linoleic Acid. Asian-Australasian Journal of Animal Sciences, 2015, 28, 411-419.	2.4	28
26	Biological responses of beef steers to steroidal implants and zilpaterol hydrochloride1. Journal of Animal Science, 2014, 92, 3348-3363.	0.5	27
27	Conjugated Linoleic Acid (tâ€10, câ€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.	1.7	26
28	Evaluation of coated steroidal implants containing trenbolone acetate and estradiol-17Î² on live performance, carcass traits, and sera metabolites in finishing steers. Journal of Animal Science, 2018, 96, 1704-1723.	0.5	26
29	Effects of steroidal implantation and ractopamine-HCl on nitrogen retention, blood metabolites and skeletal muscle gene expression in Holstein steers. Journal of Animal Physiology and Animal Nutrition, 2007, 91, 439-447.	2.2	23
30	Zilpaterol hydrochloride alters abundance of Î²-adrenergic receptors in bovine muscle cells but has little effect on de novo fatty acid biosynthesis in bovine subcutaneous adipose tissue explants. Journal of Animal Science, 2012, 90, 1317-1327.	0.5	23
31	Characterization of trenbolone acetate and estradiol metabolite excretion profiles in implanted steers. Environmental Toxicology and Chemistry, 2014, 33, 2850-2858.	4.3	21
32	Administration of estradiol, trenbolone acetate, and trenbolone acetate/estradiol implants alters adipogenic and myogenic gene expression in bovine skeletal muscle1. Journal of Animal Science, 2012, 90, 1421-1427.	0.5	18
33	Warner-Bratzler and slice shear force measurements of 3 beef muscles in response to various aging periods after trenbolone acetate and estradiol implants and zilpaterol hydrochloride supplementation of finishing beef steers. Journal of Animal Science, 2011, 89, 3783-3791.	0.5	16
34	Effects of supplemental lysine and methionine with zilpaterol hydrochloride on feedlot performance, carcass merit, and skeletal muscle fiber characteristics in finishing feedlot cattle1. Journal of Animal Science, 2015, 93, 4532-4544.	0.5	16
35	Oleic acid enhances G protein coupled receptor 43 expression in bovine intramuscular adipocytes but not in subcutaneous adipocytes1. Journal of Animal Science, 2016, 94, 1875-1883.	0.5	16
36	The Expression of Adipogenic Genes in Adipose Tissues of Feedlot Steers Fed Supplementary Palm Oil or Soybean Oil. Asian-Australasian Journal of Animal Sciences, 2016, 29, 404-412.	2.4	14

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37	Zinc Methionine Supplementation Impacts Gene and Protein Expression in Calf-Fed Holstein Steers with Minimal Impact on Feedlot Performance. Biological Trace Element Research, 2016, 171, 315-327.	3.5	13
38	Feedlot performance and biological responses to coated and non-coated steroidal implants containing trenbolone acetate and estradiol benzoate in finishing beef steers123. Journal of Animal Science, 2019, 97, 4371-4385.	0.5	13
39	All-trans retinoic acid increases the expression of oxidative myosin heavy chain through the PPARÎ´ pathway in bovine muscle cells derived from satellite cells1. Journal of Animal Science, 2018, 96, 2763-2776.	0.5	12
40	U. S. consumer perceptions of U. S. and Canadian beef quality grades1. Journal of Animal Science, 2014, 92, 3685-3692.	0.5	10
41	Effects of a single initial and delayed release implant on arrival compared with a non-coated initial implant and a non-coated terminal implant in heifers fed across various days on feed. Translational Animal Science, 2019, 3, 1182-1193.	1.1	10
42	Chromium acetate stimulates adipogenesis through regulation of gene expression and phosphorylation of adenosine monophosphate-activated protein kinase in bovine intramuscular or subcutaneous adipocytes. Asian-Australasian Journal of Animal Sciences, 2020, 33, 651-661.	2.4	10
43	Dehydrated citrus pulp alters feedlot performance of crossbred heifers during the receiving period and modulates serum metabolite concentrations before and after an endotoxin challenge1. Journal of Animal Science, 2015, 93, 5791-5800.	0.5	9
44	Ionophore strategy affects growth performance and carcass characteristics in feedlot steers1. Journal of Animal Science, 2016, 94, 5341-5349.	0.5	9
45	Administration of estradiol, trenbolone acetate, and trenbolone acetate/estradiol implants alters adipogenic and myogenic gene expression in bovine skeletal muscle. Journal of Animal Science, 2012, 90, 1421-1427.	0.5	9
46	Anabolic payout of terminal implant alters adipogenic gene expression of the longissimus muscle in beef steers1. Journal of Animal Science, 2017, 95, 1197-1204.	0.5	8
47	Immune System Stimulation Reduces the Efficiency of Whole-Body Protein Deposition and Alters Muscle Fiber Characteristics in Growing Pigs. Animals, 2019, 9, 323.	2.3	8
48	Chromium propionate supplementation alters animal growth performance, carcass characteristics, and skeletal muscle properties in feedlot steers. Translational Animal Science, 2020, 4, txaa146.	1.1	7
49	Chromium Propionate Enhances Adipogenic Differentiation of Bovine Intramuscular Adipocytes. Frontiers in Veterinary Science, 2015, 2, 26.	2.2	6
50	Evaluation of vitamin A status on myogenic gene expression and muscle fiber characteristics. Journal of Animal Science, 2021, 99, .	0.5	6
51	A pooled analysis of six large-pen feedlot studies: effects of a noncoated initial and terminal implant compared with a single initial and delayed-release implant on arrival in feedlot heifers. Translational Animal Science, 2020, 4, txaa109.	1.1	5
52	Effects of zinc propionate supplementation on growth performance, skeletal muscle fiber, and receptor characteristics in beef steers. Journal of Animal Science, 2020, 98, .	0.5	5
53	Review: the effects of dust on feedlot health and production of beef cattle. Journal of Applied Animal Research, 2021, 49, 133-138.	1.2	3
54	Effects of Encapsulated Methionine on Skeletal Muscle Growth and Development and Subsequent Feedlot Performance and Carcass Characteristics in Beef Steers. Animals, 2021, 11, 1627.	2.3	3

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55	Evaluation of the dietary vitamin A requirement of finishing steers via systematic depletion and repletion, and its effects on performance and carcass characteristics. Journal of Animal Science, 2020, 98, .	0.5	2
56	Evidence for functional G-coupled protein receptors 43 and 120 in subcutaneous and intramuscular adipose tissue of Angus crossbred steers. Journal of Animal Science, 2021, 99, .	0.5	2
57	Antimicrobial supplementation alters digestibility and ruminal fermentation in a continuous culture model. Journal of Applied Animal Research, 2021, 49, 23-29.	1.2	1