

Benjamin Corl

List of Publications by Year in descending order

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65
papers

3,199
citations

172386

29
h-index

149623

56
g-index

65
all docs

65
docs citations

65
times ranked

3012
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of Δ^9 -desaturase in the production of cis-9, trans-11 CLA. <i>Journal of Nutritional Biochemistry</i> , 2001, 12, 622-630.	1.9	344
2	The Effect of Breed, Parity, and Stage of Lactation on Conjugated Linoleic Acid (CLA) in Milk Fat from Dairy Cows. <i>Journal of Dairy Science</i> , 2003, 86, 2588-2597.	1.4	307
3	trans-10, cis-12 Conjugated Linoleic Acid Decreases Lipogenic Rates and Expression of Genes Involved in Milk Lipid Synthesis in Dairy Cows. <i>Journal of Dairy Science</i> , 2002, 85, 2155-2163.	1.4	269
4	Probiotic Bacteria Produce Conjugated Linoleic Acid Locally in the Gut That Targets Macrophage PPAR δ to Suppress Colitis. <i>PLoS ONE</i> , 2012, 7, e31238.	1.1	127
5	Trans-7,cis-9 CLA is synthesized endogenously by Δ^9 -desaturase in dairy cows in dairy cows. <i>Lipids</i> , 2002, 37, 681-688.	0.7	119
6	Effect of <i>Saccharomyces cerevisiae</i> fermentation product on ruminal fermentation and nutrient utilization in dairy cows. <i>Journal of Dairy Science</i> , 2010, 93, 682-692.	1.4	100
7	Effect of extruded full-fat soybeans on conjugated linoleic acid content of intramuscular, intermuscular, and subcutaneous fat in beef steers. <i>Journal of Animal Science</i> , 2002, 80, 1135-1143.	0.2	98
8	Effects of lauric and myristic acids on ruminal fermentation, production, and milk fatty acid composition in lactating dairy cows. <i>Journal of Dairy Science</i> , 2011, 94, 382-395.	1.4	98
9	Transcriptional regulation of lipid synthesis in bovine mammary epithelial cells by sterol regulatory element binding protein-1. <i>Journal of Dairy Science</i> , 2012, 95, 3743-3755.	1.4	98
10	Use of algae or algal oil rich in n-3 fatty acids as a feed supplement for dairy cattle. <i>Journal of Dairy Science</i> , 2012, 95, 5269-5275.	1.4	86
11	Effects of conjugated linoleic acids (CLA) on tissue response to homeostatic signals and plasma variables associated with lipid metabolism in lactating dairy cows. <i>Journal of Animal Science</i> , 2002, 80, 1285-1293.	0.2	84
12	Effect of <i>Origanum vulgare</i> L. leaves on rumen fermentation, production, and milk fatty acid composition in lactating dairy cows. <i>Journal of Dairy Science</i> , 2013, 96, 1189-1202.	1.4	82
13	Relationships between Body Condition Score and Plasma Inflammatory Cytokines, Insulin, and Lipids in a Mixed Population of Light-Breed Horses. <i>Journal of Veterinary Internal Medicine</i> , 2013, 27, 157-163.	0.6	78
14	Identification and Characterization of Conjugated Fatty Acid Methyl Esters of Mixed Double Bond Geometry by Acetonitrile Chemical Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 4925-4930.	3.2	72
15	Identification and Characterization of a Novel Bovine Stearoyl-CoA Desaturase Isoform with Homology to Human SCD5. <i>Lipids</i> , 2007, 42, 499-508.	0.7	72
16	Activation of AMP-activated protein kinase (AMPK) inhibits fatty acid synthesis in bovine mammary epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 388-393.	1.0	70
17	Effects of dietary protein concentration and coconut oil supplementation on nitrogen utilization and production in dairy cows. <i>Journal of Dairy Science</i> , 2011, 94, 5544-5557.	1.4	63
18	Effects of intravenous infusion of trans-10, cis-12 18:2 on mammary lipid metabolism in lactating dairy cows. <i>Journal of Dairy Science</i> , 2009, 92, 5167-5177.	1.4	55

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19	Regulation of lipid synthesis by liver X receptor $\hat{\pm}$ and sterol regulatory element-binding protein 1 in mammary epithelial cells. <i>Journal of Dairy Science</i> , 2013, 96, 112-121.	1.4	55
20	Relative retention order of all isomers of cis/trans conjugated linoleic acid FAME from the 6,8- to 13,15-positions using silver ion HPLC with two elution systems. <i>Lipids</i> , 2005, 40, 509-514.	0.7	50
21	Activation of liver X receptor (LXR) enhances de novo fatty acid synthesis in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2010, 93, 4651-4658.	1.4	50
22	Challenges in enriching milk fat with polyunsaturated fatty acids. <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 26.	2.1	49
23	Short Communication: Regulation of Milk Fat Yield and Fatty Acid Composition by Insulin. <i>Journal of Dairy Science</i> , 2006, 89, 4172-4175.	1.4	42
24	Factors influencing the differentiation of bovine preadipocytes in vitro ¹ . <i>Journal of Animal Science</i> , 2010, 88, 1999-2008.	0.2	41
25	Expression of Ovine Insulin-Like Growth Factor-1 (IGF-1) Stimulates Alveolar Bud Development in Mammary Glands of Transgenic Mice. <i>Endocrine</i> , 1998, 8, 251-260.	2.2	39
26	Dietary Long-Chain PUFA Enhance Acute Repair of Ischemia-Injured Intestine of Suckling Pigs. <i>Journal of Nutrition</i> , 2012, 142, 1266-1271.	1.3	38
27	Effect of animal plasma proteins on intestinal damage and recovery of neonatal pigs infected with rotavirus $\hat{\dagger}$. <i>Journal of Nutritional Biochemistry</i> , 2007, 18, 778-784.	1.9	35
28	Comparison of pig, sheep and chicken SCD5 homologs: Evidence for an early gene duplication event. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 150, 440-446.	0.7	32
29	Intestinal ribosomal p70S6K signaling is increased in piglet rotavirus enteritis. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G913-G922.	1.6	29
30	Effects of abomasal infusion of conjugated linoleic acids, <i>Sterculia foetida</i> oil, and fish oil on production performance and the extent of fatty acid $\hat{\dagger}$ 9-desaturation in dairy cows. <i>Journal of Dairy Science</i> , 2014, 97, 6411-6425.	1.4	29
31	De novo fatty acid synthesis and NADPH generation in equine adipose and liver tissue. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 322-326.	0.7	28
32	Effects of hyperinsulinemia on glucose and lipid transporter expression in insulin-sensitive horses. <i>Domestic Animal Endocrinology</i> , 2011, 40, 173-181.	0.8	27
33	Effects of acute hyperinsulinemia on inflammatory proteins in horses. <i>Veterinary Immunology and Immunopathology</i> , 2011, 142, 141-146.	0.5	26
34	Effects of a dietary antioxidant blend and vitamin E on fatty acid profile, liver function, and inflammatory response in broiler chickens fed a diet high in oxidants. <i>Poultry Science</i> , 2014, 93, 1658-1666.	1.5	26
35	Enrichment of Intestinal Mucosal Phospholipids with Arachidonic and Eicosapentaenoic Acids Fed to Suckling Piglets Is Dose and Time Dependent. <i>Journal of Nutrition</i> , 2008, 138, 2164-2171.	1.3	24
36	Supplementing antioxidants to pigs fed diets high in oxidants: II. Effects on carcass characteristics, meat quality, and fatty acid profile ¹ . <i>Journal of Animal Science</i> , 2014, 92, 5464-5475.	0.2	24

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37	Acute effects of rotavirus and malnutrition on intestinal barrier function in neonatal piglets. <i>World Journal of Gastroenterology</i> , 2013, 19, 5094.	1.4	24
38	Dietary Arachidonate Differentially Alters Desaturase-Elongase Pathway Flux and Gene Expression in Liver and Intestine of Suckling Pigs. <i>Journal of Nutrition</i> , 2011, 141, 548-553.	1.3	23
39	Short communication: Identification of the bovine sterol regulatory element binding protein-1c promoter and its activation by liver X receptor. <i>Journal of Dairy Science</i> , 2010, 93, 5831-5836.	1.4	21
40	Effects of the insulin sensitizing drug, pioglitazone, and lipopolysaccharide administration on markers of systemic inflammation and clinical parameters in horses. <i>Veterinary Immunology and Immunopathology</i> , 2012, 145, 42-49.	0.5	21
41	Production performance, nutrient digestibility, and milk fatty acid profile of lactating dairy cows fed corn silage- or sorghum silage-based diets with and without xylanase supplementation. <i>Journal of Dairy Science</i> , 2019, 102, 2266-2274.	1.4	20
42	Effects of the Insulin-Sensitizing Drug Pioglitazone and Lipopolysaccharide Administration on Insulin Sensitivity in Horses. <i>Journal of Veterinary Internal Medicine</i> , 2011, 25, 356-364.	0.6	18
43	Developmental Histology, Segmental Expression, and Nutritional Regulation of Somatotrophic Axis Genes in Small Intestine of Prewaned Dairy Heifers. <i>Journal of Dairy Science</i> , 2008, 91, 3343-3352.	1.4	17
44	Performance, carcass, and meat characteristics of beef steers finished on 2 different forages or on a high-concentrate diet. <i>The Professional Animal Scientist</i> , 2012, 28, 194-203.	0.7	17
45	Dietary conjugated linoleic acid alters long chain polyunsaturated fatty acid metabolism in brain and liver of neonatal pigs. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 1047-1054.	1.9	16
46	Low Docosahexaenoic Acid in the Diet and Milk of American Indian Women in New Mexico. <i>Journal of the American Dietetic Association</i> , 2011, 111, 744-748.	1.3	15
47	A Potential Role for Pro-Inflammatory Cytokines in the Development of Insulin Resistance in Horses. <i>Animals</i> , 2012, 2, 243-260.	1.0	15
48	Mammary Uptake of Fatty Acids Supplied by Intravenous Triacylglycerol Infusion to Lactating Dairy Cows. <i>Lipids</i> , 2013, 48, 469-479.	0.7	15
49	Letter to the editor: Estimation of milk fatty acid yield: A comment on. <i>Journal of Dairy Science</i> , 2010, 93, 3405.	1.4	12
50	Effects of High-Sugar and High-Starch Diets on Postprandial Inflammatory Protein Concentrations in Horses. <i>Journal of Equine Veterinary Science</i> , 2015, 35, 191-197.	0.4	12
51	Relationship between stearoyl-CoA desaturase 1 gene expression, relative protein abundance, and its fatty acid products in bovine tissues. <i>Journal of Dairy Research</i> , 2014, 81, 333-339.	0.7	11
52	Short communication: Effect of trans-10,cis-12 conjugated linoleic acid on activation of lipogenic transcription factors in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2014, 97, 5001-5006.	1.4	11
53	Regulation of the bovine SCD5 promoter by EGR2 and SREBP1. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 375-379.	1.0	10
54	Effect of growth hormone on the differentiation of bovine preadipocytes into adipocytes and the role of the signal transducer and activator of transcription 5b1. <i>Journal of Animal Science</i> , 2014, 92, 1958-1967.	0.2	10

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55	Effects of feeding hull-less barley on production performance, milk fatty acid composition, and nutrient digestibility of lactating dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 3576-3583.	1.4	10
56	Effects of feeding hulled and hull-less barley with low- and high-forage diets on lactation performance, nutrient digestibility, and milk fatty acid composition of lactating dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 3036-3043.	1.4	9
57	Bovine Brain Regionâ€Specific Stearoylâ€CoA Desaturase Expression and Fatty Acid Composition. <i>Lipids</i> , 2015, 50, 555-563.	0.7	8
58	A 90â€day adaptation to a high glycaemic diet alters postprandial lipid metabolism in nonâ€obese horses without affecting peripheral insulin sensitivity. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013, 97, 245-254.	1.0	7
59	Esterification of essential and non-essential fatty acids into distinct lipid classes in ruminant and non-ruminant tissues. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2016, 200, 1-5.	0.7	6
60	Uneven milking intervals are adequate to achieve the benefits of increased milking frequency in early lactation. <i>Journal of Dairy Science</i> , 2021, 104, 9355-9361.	1.4	2
61	The inhibitory effect of trans-10,cis-12 conjugated linoleic acid on sterol regulatory element binding protein-1 activation in bovine mammary epithelial cells involved reduced proteasomal degradation of insulin-induced gene-1. <i>Journal of Dairy Science</i> , 2021, 104, 11306-11316.	1.4	2
62	Effect of forage type in the stocker phase and its effect on subsequent feedlot performance and carcass characteristics of beef steers. <i>The Professional Animal Scientist</i> , 2013, 29, 133-140.	0.7	1
63	An explant basedâ€method for differentiating adipocytes from equine adipose tissue. <i>Equine Veterinary Journal</i> , 2013, 45, 114-116.	0.9	0
64	Short communication: Characteristics of student success in an undergraduate physiology and anatomy course. <i>Journal of Dairy Science</i> , 2014, 97, 6378-6381.	1.4	0
65	Characterization of raft microdomains in bovine mammary tissue during lactation: How they are modulated by fatty acid treatments. <i>Journal of Dairy Science</i> , 2021, 104, 2384-2395.	1.4	0