# Jack Odle

## List of Publications by Year in Descending Order



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| 176 papers | 4,881 citations | 42 h-index | 63 g-index |
| 190 ext. papers | 5,617 ext. citations | 3.7 avg, IF | 5.79 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 176 | Reply to Verhoef et al.. *American Journal of Clinical Nutrition*, **2022**, 115, 598-600 | 7 | |
| 175 | The health benefits of selenium in food animals: a review.. *Journal of Animal Science and Biotechnology*, **2022**, 13, 58 | 6 | 2 |
| 174 | Gut microbiome contributions to altered metabolism in a pig model of undernutrition. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, | 11.5 | 3 |
| 173 | Metabolic Regulation of Intestinal Stem Cell Homeostasis. *Trends in Cell Biology*, **2021**, 31, 325-327 | 18.3 | 4 |
| 172 | Modulation of intestinal stem cell homeostasis by nutrients: a novel therapeutic option for intestinal diseases. *Nutrition Research Reviews*, **2021**, 1-9 | 7 | 1 |
| 171 | MicroRNA and mRNA Sequencing Analyses Reveal Key Hepatic Metabolic Pathways Responsive to Maternal Malnutrition in Full-Term Fetal Pigs. *Current Developments in Nutrition*, **2021**, 5, 829-829 | 0.4 | 78 |
| 170 | Probiotics, Prebiotics and Epithelial Tight Junctions: A Promising Approach to Modulate Intestinal Barrier Function. *International Journal of Molecular Sciences*, **2021**, 22, | 6.3 | 11 |
| 169 | A guide for authors and readers of the American Society for Nutrition Journals on the proper use of P values and strategies that promote transparency and improve research reproducibility. *American Journal of Clinical Nutrition*, **2021**, 114, 1280-1285 | 7 | 5 |
| 168 | 4212 An age-dependent, rescuable defect in intestinal barrier repair is associated with an immature enteric glial network in a neonatal pig model of intestinal ischemia. *Journal of Clinical and Translational Science*, **2020**, 4, 92-93 | 0.4 | |
| 167 | Ontogeny of carnitine biosynthesis in , inferred from Ebutyrobetaine hydroxylase (dioxygenase) activity and substrate inhibition. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2020**, 319, R43-R49 | 3.2 | 1 |
| 166 | iDISCO Allows Complete Visualization and Analysis of Postnatal Enteric Nervous System Development in a Comparative Pig Model. *FASEB Journal*, **2020**, 34, 1-1 | 0.9 | |
| 165 | Effects of Oligosaccharide Supplementation on Intestinal Morphology and Enteric Glial Cell Marker Expression in a Neonatal Pig Model. *FASEB Journal*, **2020**, 34, 1-1 | 0.9 | |
| 164 | A Glial Cell Inhibitor Blocks Epithelial Barrier Repair in a Pig Model of Intestinal Ischemia. *FASEB Journal*, **2020**, 34, 1-1 | 0.9 | 1 |
| 163 | Oesophageal eosinophilia accompanies food allergy to hen egg white protein in young pigs. *Clinical and Experimental Allergy*, **2020**, 50, 95-104 | 4.1 | 4 |
| 162 | EPA and DHA attenuate deoxynivalenol-induced intestinal porcine epithelial cell injury and protect barrier function integrity by inhibiting necroptosis signaling pathway. *FASEB Journal*, **2020**, 34, 2483-2496 | 0.9 | 19 |
| 161 | Maternal Supplementation of Clofibrate Stimulates Hepatic Fatty Acid Oxidation in Newborn Suckling Piglets. *Current Developments in Nutrition*, **2020**, 4, 703-703 | 0.4 | 78 |
| 160 | What Constitutes a Gluconeogenic Precursor?. *Journal of Nutrition*, **2020**, 150, 2239-2241 | 4.1 | 3 |

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| 159 | Maternal Feeding of a Synthetic PPAR□Agonist Alters Renal Development of Fatty Acid Metabolism in the Neonatal Piglet. *Current Developments in Nutrition*, **2020**, 4, 702-702 | 0.4 | 78 |
| 158 | PSV-11 Effects of plasma protein on growth performance and intestinal health of weaned pigs. *Journal of Animal Science*, **2019**, 97, 197-197 | 0.7 | 78 |
| 157 | EPA and DHA Inhibit Myogenesis and Downregulate the Expression of Muscle-related Genes in C2C12 Myoblasts. *Genes*, **2019**, 10, | 4.2 | 12 |
| 156 | Dietary arachidonate in milk replacer triggers dual benefits of PGE signaling in LPS-challenged piglet alveolar macrophages. *Journal of Animal Science and Biotechnology*, **2019**, 10, 13 | 6 | 1 |
| 155 | 292 Differential gene expression analysis for piglets supplied dietary prebiotics and arachidonic acid for gastrointestinal disturbances. *Journal of Animal Science*, **2019**, 97, 122-123 | 0.7 | 78 |
| 154 | Implementation Science in the Field of Nutrition: Why Is It So Relevant?. *Current Developments in Nutrition*, **2019**, 3, nzy086 | 0.4 | 7 |
| 153 | Supplementation of Maternal Diets with Docosahexaenoic Acid and Methylating Vitamins Impacts Growth and Development of Fetuses from Malnourished Gilts. *Current Developments in Nutrition*, **2018**, 2, nzx006 | 0.4 | 5 |
| 152 | Epithelial restitution defect in neonatal jejunum is rescued by juvenile mucosal homogenate in a pig model of intestinal ischemic injury and repair. *PLoS ONE*, **2018**, 13, e0200674 | 3.7 | 5 |
| 151 | Pharmacologic activation of peroxisome proliferator-activating receptor-□ccelerates hepatic fatty acid oxidation in neonatal pigs. *Oncotarget*, **2018**, 9, 23900-23914 | 3.3 | 2 |
| 150 | Effect of dietary manganese on antioxidant status and expressions of heat shock proteins and factors in tissues of laying broiler breeders under normal and high environmental temperatures □ RETRACTION. *British Journal of Nutrition*, **2018**, 119, 117-117 | 3.6 | |
| 149 | The Potential Impact of Animal Science Research on Global Maternal and Child Nutrition and Health: A Landscape Review. *Advances in Nutrition*, **2017**, 8, 362-381 | 10 | 13 |
| 148 | Maternal dietary zinc supplementation enhances the epigenetic-activated antioxidant ability of chick embryos from maternal normal and high temperatures. *Oncotarget*, **2017**, 8, 19814-19824 | 3.3 | 20 |
| 147 | What global maternal and child nutrition can learn from animal science. *The Lancet Global Health*, **2017**, 5, e749-e751 | 13.6 | 1 |
| 146 | Activation of PPAR□by Oral Clofibrate Increases Renal Fatty Acid Oxidation in Developing Pigs. *International Journal of Molecular Sciences*, **2017**, 18, | 6.3 | 3 |
| 145 | Maternal dietary manganese protects chick embryos against maternal heat stress via epigenetic-activated antioxidant and anti-apoptotic abilities. *Oncotarget*, **2017**, 8, 89665-89680 | 3.3 | 17 |
| 144 | Effects of Dietary Anaplerotic Carbon Sources and Ketogenic Fatty Acids on Hepatic Fatty Acid Oxidation in Neonatal Pigs. *FASEB Journal*, **2017**, 31, 653.10 | 0.9 | |
| 143 | Effect of Medium Chain Triglycerides on TCA and Ketogenic Capacity of Proximal Intestinal Fatty Acid Oxidation in Clofibrate Feed Newborn Pigs. *FASEB Journal*, **2017**, 31, 654.4 | 0.9 | |
| 142 | Dietary Prebiotics and Arachidonic Acid (ARA) Modulate Intestinal Injury and Microbial Taxa Following Acute Dextran Sodium Sulfate Induced Colitis in Formula-Fed Piglets. *FASEB Journal*, **2017**, 31, lb324 | 0.9 | 1 |

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| 141 | Dietary Prebiotics and Arachidonic Acid Alter Intestinal Phospholipid Composition and Time-Dependently Change Fecal Microbiome in Formula-Fed Piglets. *FASEB Journal*, **2017**, 31, 968.11 | 0.9 | |
| 140 | Asparagine improves intestinal integrity, inhibits TLR4 and NOD signaling, and differently regulates p38 and ERK1/2 signaling in weanling piglets after LPS challenge. *Innate Immunity*, **2016**, 22, 577-587 | 2.7 | 30 |
| 139 | Optimizing dietary lipid use to improve essential fatty acid status and reproductive performance of the modern lactating sow: a review. *Journal of Animal Science and Biotechnology*, **2016**, 7, 34 | 6 | 21 |
| 138 | Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets. *Journal of Nutrition*, **2016**, 146, 200-8 | 4.1 | 70 |
| 137 | A Sublethal Swine Model for Defining In Vivo Superantigen-Induced Responses Following Exposure to Staphylococcal Enterotoxin B. *Methods in Molecular Biology*, **2016**, 1396, 115-124 | 1.4 | 1 |
| 136 | Effect of dietary manganese on antioxidant status and expressions of heat shock proteins and factors in tissues of laying broiler breeders under normal and high environmental temperatures. *British Journal of Nutrition*, **2016**, 116, 1851-1860 | 3.6 | 9 |
| 135 | Asparagine reduces the mRNA expression of muscle atrophy markers via regulating protein kinase B (Akt), AMP-activated protein kinase □toll-like receptor 4 and nucleotide-binding oligomerisation domain protein signalling in weaning piglets after lipopolysaccharide challenge. *British Journal of Nutrition*, **2016**, 116, 1188-1198 | 3.6 | 6 |
| 134 | Essential fatty acid supplementation during lactation is required to maximize the subsequent reproductive performance of the modern sow. *Animal Reproduction Science*, **2016**, 168, 151-163 | 2.1 | 13 |
| 133 | Transplacental induction of fatty acid oxidation in term fetal pigs by the peroxisome proliferator-activated receptor alpha agonist clofibrate. *Journal of Animal Science and Biotechnology*, **2015**, 6, 11 | 6 | 5 |
| 132 | Nutritional Impact of Dietary Plasma Proteins in Animals Undergoing Experimental Challenge and Implications for Patients with Inflammatory Bowel Disorders: A Meta-analysis. *Advances in Nutrition* , **2015**, 6, 541-51 | 10 | 6 |
| 131 | Peroxidised dietary lipids impair intestinal function and morphology of the small intestine villi of nursery pigs in a dose-dependent manner. *British Journal of Nutrition*, **2015**, 114, 1985-92 | 3.6 | 45 |
| 130 | Effect of dietary manganese on antioxidant status and expression levels of heat-shock proteins and factors in tissues of laying broiler breeders under normal and high environmental temperatures. *British Journal of Nutrition*, **2015**, 114, 1965-74 | 3.6 | 24 |
| 129 | Impact of dietary lipids on sow milk composition and balance of essential fatty acids during lactation in prolific sows. *Journal of Animal Science*, **2015**, 93, 2935-47 | 0.7 | 19 |
| 128 | Effects of maternal dietary manganese and incubation temperature on hatchability, antioxidant status, and expression of heat shock proteins in chick embryos. *Journal of Animal Science*, **2015**, 93, 5725-34 | 0.7 | 14 |
| 127 | Development of prediction equations to estimate the apparent digestible energy content of lipids when fed to lactating sows. *Journal of Animal Science*, **2015**, 93, 1165-76 | 0.7 | 10 |
| 126 | Effects of environmental temperature and dietary manganese on egg production performance, egg quality, and some plasma biochemical traits of broiler breeders. *Journal of Animal Science*, **2015**, 93, 3431-40 | 0.7 | 13 |
| 125 | Effects of acute and chronic heat stress on plasma metabolites, hormones and oxidant status in restrictedly fed broiler breeders. *Poultry Science*, **2015**, 94, 1635-44 | 3.9 | 74 |
| 124 | Maternal Undernutrition Affects Expression of Genes Associated with Ileal Development and Metabolism in Full-term Offspring. *FASEB Journal*, **2015**, 29, 754.13 | 0.9 | |

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| 123 | Milk Oligosaccharides Modulate Colonic Microbiota of Formula-Fed Piglets. *FASEB Journal*, **2015**, 29, 754.11 | 0.9 | |
| 122 | Peptidoglycan Recognition Proteins Are Differentially Regulated by Time and Long-Chain Polyunsaturated Fatty Acids In Neonatal Pig Intestinal Epithelial Cells, IPECJ2. *FASEB Journal*, **2015**, 29, 917.3 | 0.9 | |
| 121 | Acute Dextran Sodium Sulfate Dose-Dependently Induces Colitis in Formula-Fed Piglets. *FASEB Journal*, **2015**, 29, 755.8 | 0.9 | |
| 120 | Supplementation of Maternal Diets with Choline, B-vitamin and Docosahexaenoic Acid (DHA) Alters Gene Expressions Associated with Hepatic Lipid Metabolism in Offspring. *FASEB Journal*, **2015**, 29, 749.9 | 0.9 | |
| 119 | Carnitine. *Advances in Nutrition*, **2014**, 5, 289-90 | 10 | 4 |
| 118 | Lysine requirement of 1.5–5.5 kg pigs fed liquid diets. *Animal Production Science*, **2014**, 54, 608 | 1.4 | 6 |
| 117 | The suckling piglet as an agrimedical model for the study of pediatric nutrition and metabolism. *Annual Review of Animal Biosciences*, **2014**, 2, 419-44 | 13.7 | 81 |
| 116 | Clofibrate increases long-chain fatty acid oxidation by neonatal pigs. *Journal of Nutrition*, **2014**, 144, 1688-93 | 4.1 | 5 |
| 115 | Dietary supplementation of aspartate enhances intestinal integrity and energy status in weanling piglets after lipopolysaccharide challenge. *Journal of Nutritional Biochemistry*, **2014**, 25, 456-62 | 6.3 | 79 |
| 114 | Differential expression of heat shock transcription factors and heat shock proteins after acute and chronic heat stress in laying chickens (Gallus gallus). *PLoS ONE*, **2014**, 9, e102204 | 3.7 | 71 |
| 113 | Effects of methylating vitamins and docosahexaenoic acid supplementation on intra-uterine growth retardation in a feed-restricted swine model (1033.8). *FASEB Journal*, **2014**, 28, 1033.8 | 0.9 | |
| 112 | Methylated Medium- and Long-Chain Fatty Acids Provide Novel Sources of Anaplerotic Carbon for Fasting or Exercising Mice (LB438). *FASEB Journal*, **2014**, 28, LB438 | 0.9 | |
| 111 | Effects of creep feeding and supplemental glutamine or glutamine plus glutamate (Aminogut) on pre- and post-weaning growth performance and intestinal health of piglets. *Journal of Animal Science and Biotechnology*, **2013**, 4, 29 | 6 | 42 |
| 110 | Sublethal staphylococcal enterotoxin B challenge model in pigs to evaluate protection following immunization with a soybean-derived vaccine. *Vaccine Journal*, **2013**, 20, 24-32 | | 14 |
| 109 | Dietary supplementation of Bifidobacterium longum strain AH1206 increases its cecal abundance and elevates intestinal interleukin-10 expression in the neonatal piglet. *Food and Chemical Toxicology*, **2013**, 60, 116-22 | 4.7 | 18 |
| 108 | Comparative metabolic physiology in the SomicsSera: a call to arms, paws, flippers, and claws. *Advances in Nutrition*, **2013**, 4, 568-9 | 10 | 1 |
| 107 | Fish oil alleviates activation of the hypothalamic-pituitary-adrenal axis associated with inhibition of TLR4 and NOD signaling pathways in weaned piglets after a lipopolysaccharide challenge. *Journal of Nutrition*, **2013**, 143, 1799-807 | 4.1 | 17 |
| 106 | Fish oil increases muscle protein mass and modulates Akt/FOXO, TLR4, and NOD signaling in weanling piglets after lipopolysaccharide challenge. *Journal of Nutrition*, **2013**, 143, 1331-9 | 4.1 | 48 |

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| 105 | Diet physical form, fatty acid chain length, and emulsification alter fat utilization and growth of newly weaned pigs. *Journal of Animal Science*, **2013**, 91, 783-92 | 0.7 | 15 |
| 104 | Stabilized rice bran improves weaning pig performance via a prebiotic mechanism. *Journal of Animal Science*, **2013**, 91, 907-13 | 0.7 | 25 |
| 103 | Early postnatal kinetics of colostral immunoglobulin G absorption in fed and fasted piglets and developmental expression of the intestinal immunoglobulin G receptor. *Journal of Animal Science*, **2013**, 91, 211-8 | 0.7 | 7 |
| 102 | Acute effects of rotavirus and malnutrition on intestinal barrier function in neonatal piglets. *World Journal of Gastroenterology*, **2013**, 19, 5094-102 | 5.6 | 20 |
| 101 | Impact of crude glycerol on feed milling characteristics of swine diets. *Animal Feed Science and Technology*, **2012**, 175, 193-197 | 3 | 1 |
| 100 | Lipids and Lipid Utilization in Swine **2012**, 59-79 | | 12 |
| 99 | Influence of birth order, birth weight, colostrum and serum immunoglobulin G on neonatal piglet survival. *Journal of Animal Science and Biotechnology*, **2012**, 3, 42 | 6 | 52 |
| 98 | The effect of 5-aminoimidazole-4-carboxamide ribonucleoside (AICAR) on fatty acid oxidation in hepatocytes isolated from neonatal piglets. *Journal of Animal Science and Biotechnology*, **2012**, 3, 30 | 6 | 2 |
| 97 | Dietary L-tryptophan supplementation with reduced large neutral amino acids enhances feed efficiency and decreases stress hormone secretion in nursery pigs under social-mixing stress. *Journal of Nutrition*, **2012**, 142, 1540-6 | 4.1 | 35 |
| 96 | Sow and litter response to supplemental dietary fat in lactation diets during high ambient temperatures. *Journal of Animal Science*, **2012**, 90, 550-9 | 0.7 | 15 |
| 95 | Dietary long-chain PUFA enhance acute repair of ischemia-injured intestine of suckling pigs. *Journal of Nutrition*, **2012**, 142, 1266-71 | 4.1 | 32 |
| 94 | Nutritional factors influencing intestinal health of the neonate. *Advances in Nutrition*, **2012**, 3, 687-96 | 10 | 118 |
| 93 | Effects of increasing tryptophan intake on growth and physiological changes in nursery pigs. *Journal of Animal Science*, **2012**, 90, 2264-75 | 0.7 | 60 |
| 92 | Fish oil enhances intestinal integrity and inhibits TLR4 and NOD2 signaling pathways in weaned pigs after LPS challenge. *Journal of Nutrition*, **2012**, 142, 2017-24 | 4.1 | 168 |
| 91 | Clofibrate increases in vivo fatty acid oxidation by neonatal pigs. *FASEB Journal*, **2012**, 26, 651.5 | 0.9 | |
| 90 | Dietary conjugated linoleic acid alters long chain polyunsaturated fatty acid metabolism in brain and liver of neonatal pigs. *Journal of Nutritional Biochemistry*, **2011**, 22, 1047-54 | 6.3 | 14 |
| 89 | Dietary calcium restriction affects mesenchymal stem cell activity and bone development in neonatal pigs. *Journal of Nutrition*, **2011**, 141, 373-9 | 4.1 | 8 |
| 88 | Dietary arachidonate differentially alters desaturase-elongase pathway flux and gene expression in liver and intestine of suckling pigs. *Journal of Nutrition*, **2011**, 141, 548-53 | 4.1 | 21 |

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| 87 | Polydextrose enrichment of infant formula demonstrates prebiotic characteristics by altering intestinal microbiota, organic acid concentrations, and cytokine expression in suckling piglets. *Journal of Nutrition*, **2011**, 141, 2139-45 | 4.1 | 47 |
| 86 | Evaluation of the nutritional value of glycerol for nursery pigs. *Journal of Animal Science*, **2011**, 89, 2145-53 | 1.7 | 17 |
| 85 | Effects of 9-cis-retinoic acid on fatty acid oxidation induced by clofibrate in primary cultured heptocytes from newborn pigs. *FASEB Journal*, **2011**, 25, 585.6 | 0.9 | |
| 84 | Dietary phosphate restriction decreases stem cell proliferation and subsequent growth potential in neonatal pigs. *Journal of Nutrition*, **2010**, 140, 477-82 | 4.1 | 14 |
| 83 | Oral vaccine formulations stimulate mucosal and systemic antibody responses against staphylococcal enterotoxin B in a piglet model. *Vaccine Journal*, **2010**, 17, 1163-9 | | 26 |
| 82 | Carnitine palmitoyltransferase I control of acetogenesis, the major pathway of fatty acid {beta}-oxidation in liver of neonatal swine. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 298, R1435-43 | 3.2 | 17 |
| 81 | Impact of lactation length and piglet weaning weight on long-term growth and viability of progeny. *Journal of Animal Science*, **2010**, 88, 2265-76 | 0.7 | 61 |
| 80 | Trans-10, cis-12-conjugated linoleic acid alters hepatic gene expression in a polygenic obese line of mice displaying hepatic lipidosis. *Journal of Nutritional Biochemistry*, **2010**, 21, 848-55 | 6.3 | 16 |
| 79 | Dietary calcium affects the differentiation potential of mesenchymal stem cells. *FASEB Journal*, **2010**, 24, 545.1 | 0.9 | |
| 78 | Dietary calcium affects neonatal bone development. *FASEB Journal*, **2010**, 24, 325.3 | 0.9 | |
| 77 | Polydextrose enrichment of infant formula acts as a prebiotic by increasing ileal lactobacilli and lactic acid concentration and decreasing pH. *FASEB Journal*, **2010**, 24, 327.7 | 0.9 | |
| 76 | Safety evaluation of polydextrose in infant formula using a suckling piglet model. *Food and Chemical Toxicology*, **2009**, 47, 1530-7 | 4.7 | 19 |
| 75 | Ontogeny of the desaturase-elongase pathway in neonatal pigs fed arachidonic acid. *FASEB Journal* , **2009**, 23, LB430 | 0.9 | |
| 74 | Clofibrate induces expression of hepatic genes encoding fatty acid oxidation and ketogenesis enzymes in pigs during early postnatal development. *FASEB Journal*, **2009**, 23, 903.3 | 0.9 | |
| 73 | Effects of feeding L-carnitine to gilts through day 70 of gestation on litter traits and the expression of insulin-like growth factor system components and L-carnitine concentration in foetal tissues. *Journal of Animal Physiology and Animal Nutrition*, **2008**, 92, 660-7 | 2.6 | 15 |
| 72 | Supplementing limited methionine diets with rumen-protected methionine, betaine, and choline in early lactation Holstein cows. *Journal of Dairy Science*, **2008**, 91, 1552-9 | 4 | 62 |
| 71 | Enrichment of intestinal mucosal phospholipids with arachidonic and eicosapentaenoic acids fed to suckling piglets is dose and time dependent. *Journal of Nutrition*, **2008**, 138, 2164-71 | 4.1 | 19 |
| 70 | Maternal dietary L-carnitine supplementation influences fetal carnitine status and stimulates carnitine palmitoyltransferase and pyruvate dehydrogenase complex activities in swine. *Journal of Nutrition*, **2008**, 138, 2356-62 | 4.1 | 16 |

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| 69 | Arginine activates intestinal p70(S6k) and protein synthesis in piglet rotavirus enteritis. *Journal of Nutrition*, **2008**, 138, 24-9 | 4.1 | 54 |
| 68 | Conjugated linoleic acid reduces body fat accretion and lipogenic gene expression in neonatal pigs fed low- or high-fat formulas. *Journal of Nutrition*, **2008**, 138, 449-54 | 4.1 | 39 |
| 67 | Transplacental induction of fatty acid oxidation in newborn pigs by clofibrate. *FASEB Journal*, **2008**, 22, 1091.8 | 0.9 | |
| 66 | The effects of clofibrate on malonyl-CoA inhibition of carnitine pamitoyltransferase I (CPT I) and fatty acid oxidation in liver of neonatal pigs. *FASEB Journal*, **2008**, 22, 1091.9 | 0.9 | |
| 65 | Restoration of barrier function in injured intestinal mucosa. *Physiological Reviews*, **2007**, 87, 545-64 | 47.9 | 381 |
| 64 | Ontogeny of carnitine palmitoyltransferase I activity, carnitine-Km, and mRNA abundance in pigs throughout growth and development. *Journal of Nutrition*, **2007**, 137, 898-903 | 4.1 | 17 |
| 63 | Effect of animal plasma proteins on intestinal damage and recovery of neonatal pigs infected with rotavirus. *Journal of Nutritional Biochemistry*, **2007**, 18, 778-84 | 6.3 | 34 |
| 62 | Intestinal ribosomal p70(S6K) signaling is increased in piglet rotavirus enteritis. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G913-22 | 5.1 | 28 |
| 61 | Role of mTOR signaling in intestinal cell migration. *American Journal of Physiology - Renal Physiology*, **2006**, 291, G510-7 | 5.1 | 68 |
| 60 | Ontogeny and chain-length specificity of gastrointestinal lipases affect medium-chain triacylglycerol utilization by newborn pigs. *Journal of Animal Science*, **2006**, 84, 818-25 | 0.7 | 10 |
| 59 | Descriptive flavor analysis of bacon and pork loin from lean-genotype gilts fed conjugated linoleic acid and supplemental fat. *Journal of Animal Science*, **2006**, 84, 3381-6 | 0.7 | 7 |
| 58 | Effects of maternal dietary L-carnitine on fetal carnitine status as measured by tissue carnitine accumulation and kinetics of carnitine palmitoyltransferase in fetal pigs. *FASEB Journal*, **2006**, 20, A170 | 0.9 | |
| 57 | Prophylactic enrichment of enterocyte phospholipids with polyunsaturated fatty acids fed to suckling piglets. *FASEB Journal*, **2006**, 20, A170 | 0.9 | |
| 56 | Chapter 9 Hepatic fatty acid oxidation and ketogenesis in young pigs. *Biology of Growing Animals*, **2005**, 3, 219-234 | | 4 |
| 55 | Conjugated linoleic acid evokes de-lipidation through the regulation of genes controlling lipid metabolism in adipose and liver tissue. *Obesity Reviews*, **2005**, 6, 247-58 | 10.6 | 93 |
| 54 | Ontogeny and kinetics of carnitine palmitoyltransferase in liver and skeletal muscle of the domestic felid (Felis domestica). *Journal of Nutritional Biochemistry*, **2005**, 16, 331-8 | 6.3 | 15 |
| 53 | Vegetable proteins enhance the growth of milk-fed piglets, despite lower apparent ileal digestibility. *Journal of Nutrition*, **2005**, 135, 2137-43 | 4.1 | 7 |
| 52 | Functional genomic characterization of delipidation elicited by trans-10, cis-12-conjugated linoleic acid (t10c12-CLA) in a polygenic obese line of mice. *Physiological Genomics*, **2005**, 21, 351-61 | 3.6 | 55 |

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| 51 | Hepatic beta-oxidation and carnitine palmitoyltransferase I in neonatal pigs after dietary treatments of clofibric acid, isoproterenol, and medium-chain triglycerides. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R1518-24 | 3.2 | 25 |
| 50 | FOCAL ADHESION KINASE (FAK) AND p70 s6 KINASE ARE CRITICAL FOR ARGININE-STIMULATED INTESTINAL CELL MIGRATION.. *Journal of Investigative Medicine*, **2004**, 52, S291-S292 | 2.9 | 3 |
| 49 | Changes in kinetics of carnitine palmitoyltransferase in liver and skeletal muscle of dogs (Canis familiaris) throughout growth and development. *Journal of Nutrition*, **2003**, 133, 1113-9 | 4.1 | 17 |
| 48 | Medium-chain fatty acids but not L-carnitine accelerate the kinetics of [14C]triacylglycerol utilization by colostrum-deprived newborn pigs. *Journal of Nutrition*, **2002**, 132, 1989-94 | 4.1 | 21 |
| 47 | Trans-10, cis-12 conjugated linoleic acid increases fatty acid oxidation in 3T3-L1 preadipocytes. *Journal of Nutrition*, **2002**, 132, 450-5 | 4.1 | 63 |
| 46 | The effects of dietary fat sources, levels, and feeding intervals on pork fatty acid composition. *Journal of Animal Science*, **2002**, 80, 1606-15 | 0.7 | 91 |
| 45 | Comparison of triglycerides and phospholipids as supplemental sources of dietary long-chain polyunsaturated fatty acids in piglets. *Journal of Nutrition*, **2002**, 132, 3081-9 | 4.1 | 45 |
| 44 | Conjugated linoleic acid in combination with supplemental dietary fat alters pork fat quality. *Journal of Nutrition*, **2002**, 132, 3105-12 | 4.1 | 65 |
| 43 | Differential induction of peroxisomal beta-oxidation enzymes by clofibric acid and aspirin in piglet tissues. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2001**, 281, R1553-61 | 3.2 | 16 |
| 42 | Liquid diets accelerate the growth of early-weaned pigs and the effects are maintained to market weight. *Journal of Animal Science*, **2001**, 79, 427-34 | 0.7 | 40 |
| 41 | Effects of dietary copper source and concentration on carcass characteristics and lipid and cholesterol metabolism in growing and finishing steers. *Journal of Animal Science*, **2000**, 78, 1053-9 | 0.7 | 60 |
| 40 | Dietary L-carnitine improves nitrogen utilization in growing pigs fed low energy, fat-containing diets. *Journal of Nutrition*, **2000**, 130, 1809-14 | 4.1 | 55 |
| 39 | Kinetics of carnitine palmitoyltransferase-I are altered by dietary variables and suggest a metabolic need for supplemental carnitine in young pigs. *Journal of Nutrition*, **2000**, 130, 2467-70 | 4.1 | 26 |
| 38 | Malnutrition modifies pig small intestinal inflammatory responses to rotavirus. *Journal of Nutrition*, **1999**, 129, 838-43 | 4.1 | 37 |
| 37 | Dietary fat during pregnancy and lactation increases milk fat and insulin-like growth factor I concentrations and improves neonatal growth rates in swine. *Journal of Nutrition*, **1999**, 129, 2123-9 | 4.1 | 39 |
| 36 | Regulation of intestinal glucose absorption: A new issue in animal science. *Canadian Journal of Animal Science*, **1998**, 78, 1-13 | 0.9 | 15 |
| 35 | Neither intact nor hydrolyzed soy proteins elicit intestinal inflammation in neonatal piglets. *Journal of Parenteral and Enteral Nutrition*, **1998**, 22, 91-7 | 4.2 | 5 |
| 34 | Acetogenesis does not replace ketogenesis in fasting piglets infused with hexanoate. *American Journal of Physiology - Endocrinology and Metabolism*, **1998**, 274, E963-70 | 6 | 2 |

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| 33 | Food deprivation changes peroxisomal beta-oxidation activity but not catalase activity during postnatal development in pig tissues. *Journal of Nutrition*, **1998**, 128, 1114-21 | 4.1 | 15 |
| 32 | Protein-energy malnutrition delays small-intestinal recovery in neonatal pigs infected with rotavirus. *Journal of Nutrition*, **1997**, 127, 1118-27 | 4.1 | 49 |
| 31 | New insights into the utilization of medium-chain triglycerides by the neonate: observations from a piglet model. *Journal of Nutrition*, **1997**, 127, 1061-7 | 4.1 | 98 |
| 30 | Response of hepatic mitochondrial and peroxisomal beta-oxidation to increasing palmitate concentrations in piglets. *Neonatology*, **1997**, 72, 284-92 | 4 | 11 |
| 29 | Rates of mitochondrial and peroxisomal beta-oxidation of palmitate change during postnatal development and food deprivation in liver, kidney and heart of pigs. *Journal of Nutrition*, **1997**, 127, 1814-21 | 4.1 | 33 |
| 28 | Small intestinal disaccharidase activity and ileal villus height are increased in piglets consuming formula containing recombinant human insulin-like growth factor-I. *Pediatric Research*, **1997**, 42, 78-86 | 3.2 | 73 |
| 27 | Orally administered iodinated recombinant human insulin-like growth factor-I (125I-rhIGF-I) is poorly absorbed by the newborn piglet. *Journal of Pediatric Gastroenterology and Nutrition*, **1997**, 24, 174-82 | 2.8 | 45 |
| 26 | Intestinal effects of milkborne growth factors in neonates of agricultural importance. *Journal of Animal Science*, **1996**, 74, 2509-22 | 0.7 | 102 |
| 25 | Short-term metabolic responses do not differ between neonatal piglets fed formulas containing hydrolyzed or intact soy proteins. *Journal of Nutrition*, **1996**, 126, 913-23 | 4.1 | 9 |
| 24 | The riboflavin requirement of adult dogs at maintenance is greater than previous estimates. *Journal of Nutrition*, **1996**, 126, 984-8 | 4.1 | 2 |
| 23 | Effect of feeding a milk replacer to early-weaned pigs on growth, body composition, and small intestinal morphology, compared with suckled littermates. *Journal of Animal Science*, **1996**, 74, 2948-59 | 0.7 | 92 |
| 22 | Acetate represents a major product of heptanoate and octanoate beta-oxidation in hepatocytes isolated from neonatal piglets. *Biochemical Journal*, **1996**, 318 ( Pt 1), 235-40 | 3.8 | 28 |
| 21 | Pigs as Models for Nutrient Functional Interaction **1996**, 709-711 | | 9 |
| 20 | The Neonatal Piglet as a Model to Study Insulin Like Growth Factor Mediated Intestinal Growth and Function **1996**, 733-743 | | 1 |
| 19 | Effects of induced or delayed parturition and supplemental dietary fat on colostrum and milk composition in sows. *Journal of Animal Science*, **1995**, 73, 1906-13 | 0.7 | 55 |
| 18 | Emulsification and fatty acid chain length affect the kinetics of [14C]-medium-chain triacylglycerol utilization by neonatal piglets. *Journal of Nutrition*, **1994**, 124, 84-93 | 4.1 | 15 |
| 17 | Insulin-like growth factors and insulin-like growth factor binding proteins in porcine serum and milk throughout lactation. *Pediatric Research*, **1994**, 36, 159-68 | 3.2 | 65 |
| 16 | Comments on quantitation of carnitine esters by high-performance liquid chromatography. *Biomedical Applications*, **1994**, 652, 117-118 | | 2 |

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|---|---|---|---|
| 15 | Growth factors in milk as mediators of infant development. *Annual Review of Nutrition*, **1994**, 14, 147-67 | 9.9 | 197 |
| 14 | Effect of orally administered epidermal growth factor on intestinal recovery of neonatal pigs infected with rotavirus. *Journal of Pediatric Gastroenterology and Nutrition*, **1994**, 19, 382-90 | 2.8 | 51 |
| 13 | Utilization of medium-chain triglycerides by neonatal pigs: effects of emulsification and dose delivered. *Journal of Animal Science*, **1993**, 71, 1863-8 | 0.7 | 29 |
| 12 | Medium-chain fatty acid oxidation in colostrum-deprived newborn piglets: stimulative effect of L-carnitine supplementation. *Journal of Nutrition*, **1993**, 123, 1531-7 | 4.1 | 16 |
| 11 | Emulsification and fatty-acid chain length affect the utilization of medium-chain triglycerides by neonatal pigs. *Journal of Animal Science*, **1993**, 71, 1869-74 | 0.7 | 13 |
| 10 | Taurine utilization by cats. *Journal of Nutrition*, **1993**, 123, 1932-3 | 4.1 | 3 |
| 9 | Urinary taurine excretion as a function of taurine intake in adult cats. *Journal of Nutrition*, **1992**, 122, 1135-42 | 4.1 | 12 |
| 8 | Comparison of measured carbon dioxide production with that obtained by the isotope dilution technique in neonatal pigs: observations on site of infusion. *Journal of Nutrition*, **1992**, 122, 2174-82 | 4.1 | 15 |
| 7 | Quantification of carnitine esters by high-performance liquid chromatography. *Biomedical Applications*, **1992**, 584, 157-165 | | 20 |
| 6 | Evaluation of [1-14C]-medium-chain fatty acid oxidation by neonatal piglets using continuous-infusion radiotracer kinetic methodology. *Journal of Nutrition*, **1992**, 122, 2183-9 | 4.1 | 11 |
| 5 | Urinary excretion of taurine as a function of taurine intake: potential for estimating taurine bioavailability in the adult cat. *Advances in Experimental Medicine and Biology*, **1992**, 315, 55-62 | 3.6 | 8 |
| 4 | Research note: bioavailability of copper in cupric oxide, cuprous oxide, and in a copper-lysine complex. *Poultry Science*, **1991**, 70, 177-9 | 3.9 | 53 |
| 3 | Utilization of medium-chain triglycerides by neonatal piglets: chain length of even- and odd-carbon fatty acids and apparent digestion/absorption and hepatic metabolism. *Journal of Nutrition*, **1991**, 121, 605-14 | 4.1 | 46 |
| 2 | Postnatal age and the metabolism of medium- and long-chain fatty acids by isolated hepatocytes from small-for-gestational-age and appropriate-for-gestational-age piglets. *Journal of Nutrition*, **1991**, 121, 615-21 | 4.1 | 20 |
| 1 | Influence of rumen ammonia concentration on the rumen degradation rates of barley and maize. *British Journal of Nutrition*, **1987**, 57, 127-38 | 3.6 | 33 |