Jack Odle

List of Publications by Year
in descending order

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186 papers	5,810 citations	61977 43 h-index	91872 69 g-index
190 all docs	190 docs citations	190 times ranked	4889 citing authors

#	Article	IF	Citations
1	Restoration of Barrier Function in Injured Intestinal Mucosa. Physiological Reviews, 2007, 87, 545-564.	28.8	456
2	Growth Factors in Milk as Mediators of Infant Development. Annual Review of Nutrition, 1994, 14, 147-167.	10.1	226
3	Fish Oil Enhances Intestinal Integrity and Inhibits TLR4 and NOD2 Signaling Pathways in Weaned Pigs after LPS Challenge3. Journal of Nutrition, 2012, 142, 2017-2024.	2.9	218
4	Nutritional Factors Influencing Intestinal Health of the Neonate. Advances in Nutrition, 2012, 3, 687-696.	6.4	144
5	Intestinal effects of milkborne growth factors in neonates of agricultural importance.. Journal of Animal Science, 1996, 74, 2509.	0.5	127
6	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.	0.5	122
7	New Insights into the Utilization of Medium-Chain Triglycerides by the Neonate: Observations from a Piglet Model ,. Journal of Nutrition, 1997, 127, 1061-1067.	2.9	121
8	Effects of acute and chronic heat stress on plasma metabolites, hormones and oxidant status in restrictedly fed broiler breeders. Poultry Science, 2015, 94, 1635-1644.	3.4	113
9	The effects of dietary fat sources, levels, and feeding intervals on pork fatty acid composition. Journal of Animal Science, 2002, 80, 1606-1615.	0.5	109
10	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, 200-208.	2.9	109
11	Conjugated linoleic acid evokes de-lipidation through the regulation of genes controlling lipid metabolism in adipose and liver tissue. Obesity Reviews, 2005, 6, 247-258.	6.5	107
12	Dietary supplementation of aspartate enhances intestinal integrity and energy status in weanling piglets after lipopolysaccharide challenge. Journal of Nutritional Biochemistry, 2014, 25, 456-462.	4.2	107
13	The Suckling Piglet as an Agrimedical Model for the Study of Pediatric Nutrition and Metabolism. Annual Review of Animal Biosciences, 2014, 2, 419-444.	7.4	106
14	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.	2.5	105
15	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.	2.3	99
16	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.	0.5	86
17	Insulin-Like Growth Factors and Insulin-Like Growth Factor Binding Proteins in Porcine Serum and Milk throughout Lactation. Pediatric Research, 1994, 36, 159-168.	2.3	84
18	Supplementing Limited Methionine Diets with Rumen-Protected Methionine, Betaine, and Choline in Early Lactation Holstein Cows. Journal of Dairy Science, 2008, 91, 1552-1559.	3.4	84

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19	Impact of lactation length and piglet weaning weight on long-term growth and viability of progeny1,2. Journal of Animal Science, 2010, 88, 2265-2276.	0.5	84
20	Conjugated Linoleic Acid in Combination with Supplemental Dietary Fat Alters Pork Fat Quality. Journal of Nutrition, 2002, 132, 3105-3112.	2.9	82
21	Effects of increasing tryptophan intake on growth and physiological changes in nursery pigs1. Journal of Animal Science, 2012, 90, 2264-2275.	0.5	78
22	Influence of birth order, birth weight, colostrum and serum immunoglobulin G on neonatal piglet survival. Journal of Animal Science and Biotechnology, 2012, 3, 42.	5.3	73
23	Research Note: Bioavailability of Copper in Cupric Oxide, Cuprous Oxide, and in a Copper-Lysine Complex. Poultry Science, 1991, 70, 177-179.	3.4	71
24	Role of mTOR signaling in intestinal cell migration. American Journal of Physiology - Renal Physiology, 2006, 291, G510-G517.	3.4	71
25	Probiotics, Prebiotics and Epithelial Tight Junctions: A Promising Approach to Modulate Intestinal Barrier Function. International Journal of Molecular Sciences, 2021, 22, 6729.	4.1	71
26	Trans-10, Cis-12 Conjugated Linoleic Acid Increases Fatty Acid Oxidation in 3T3-L1 Preadipocytes. Journal of Nutrition, 2002, 132, 450-455.	2.9	70
27	Effects of induced or delayed parturition and supplemental dietary fat on colostrum and milk composition in sows2. Journal of Animal Science, 1995, 73, 1906-1913.	0.5	67
28	Effect of Orally Administered Epidermal Growth Factor on Intestinal Recovery of Neonatal Pigs Infected with Rotavirus. Journal of Pediatric Gastroenterology and Nutrition, 1994, 19, 382-390.	1.8	66
29	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.	5.3	66
30	Dietary L-Carnitine Improves Nitrogen Utilization in Growing Pigs Fed Low Energy, Fat-Containing Diets. Journal of Nutrition, 2000, 130, 1809-1814.	2.9	64
31	Arginine Activates Intestinal p70S6k and Protein Synthesis in Piglet Rotavirus Enteritis. Journal of Nutrition, 2008, 138, 24-29.	2.9	64
32	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, 1985-1992.	2.3	61
33	Fish Oil Increases Muscle Protein Mass and Modulates Akt/FOXO, TLR4, and NOD Signaling in Weanling Piglets After Lipopolysaccharide Challenge1â€“3. Journal of Nutrition, 2013, 143, 1331-1339.	2.9	60
34	Protein-Energy Malnutrition Delays Small-Intestinal Recovery in Neonatal Pigs Infected with Rotavirus. Journal of Nutrition, 1997, 127, 1118-1127.	2.9	59
35	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, 351-361.	2.3	58
36	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, 174-182.	1.8	58

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37	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, 605-614.	2.9	56
38	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, 2139-2145.	2.9	55
39	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, 2123-2129.	2.9	54
40	Liquid diets accelerate the growth of early-weaned pigs and the effects are maintained to market weight.. Journal of Animal Science, 2001, 79, 427.	0.5	51
41	Comparison of Triglycerides and Phospholipids as Supplemental Sources of Dietary Long-Chain Polyunsaturated Fatty Acids in Piglets. Journal of Nutrition, 2002, 132, 3081-3089.	2.9	50
42	Dietary ÊŸ-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, 1540-1546.	2.9	47
43	Malnutrition Modifies Pig Small Intestinal Inflammatory Responses to Rotavirus. Journal of Nutrition, 1999, 129, 838-843.	2.9	44
44	Influence of rumen ammonia concentration on the rumen degradation rates of barley and maize. British Journal of Nutrition, 1987, 57, 127-138.	2.3	43
45	Conjugated Linoleic Acid Reduces Body Fat Accretion and Lipogenic Gene Expression in Neonatal Pigs Fed Low- or High-Fat Formulas3. Journal of Nutrition, 2008, 138, 449-454.	2.9	43
46	EPA and DHA attenuate deoxynivalenolâ€induced intestinal porcine epithelial cell injury and protect barrier function integrity by inhibiting necroptosis signaling pathway. FASEB Journal, 2020, 34, 2483-2496.	0.5	41
47	Rates of Mitochondrial and Peroxisomal Î²-Oxidation of Palmitate Change during Postnatal Development and Food Deprivation in Liver, Kidney and Heart of Pigs , ,. Journal of Nutrition, 1997, 127, 1814-1821.	2.9	39
48	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.	2.4	39
49	Dietary Long-Chain PUFA Enhance Acute Repair of Ischemia-Injured Intestine of Suckling Pigs. Journal of Nutrition, 2012, 142, 1266-1271.	2.9	38
50	Effect of animal plasma proteins on intestinal damage and recovery of neonatal pigs infected with rotavirusâ˜†. Journal of Nutritional Biochemistry, 2007, 18, 778-784.	4.2	35
51	Utilization of medium-chain triglycerides by neonatal pigs: effects of emulsification and dose delivered. Journal of Animal Science, 1993, 71, 1863-1868.	0.5	32
52	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, 2467-2470.	2.9	32
53	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, 116-122.	3.6	32
54	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, 1965-1974.	2.3	32

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55	Stabilized rice bran improves weaning pig performance via a prebiotic mechanism1. Journal of Animal Science, 2013, 91, 907-913.	0.5	31
56	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.	5.3	31
57	Acetate represents a major product of heptanoate and octanoate Î²-oxidation in hepatocytes isolated from neonatal piglets. Biochemical Journal, 1996, 318, 235-240.	3.7	30
58	Maternal dietary zinc supplementation enhances the epigenetic-activated antioxidant ability of chick embryos from maternal normal and high temperatures. Oncotarget, 2017, 8, 19814-19824.	1.8	30
59	Hepatic Î²-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-R1524.	1.8	29
60	Intestinal ribosomal p70S6Ksignaling is increased in piglet rotavirus enteritis. American Journal of Physiology - Renal Physiology, 2007, 292, G913-G922.	3.4	29
61	Impact of dietary lipids on sow milk composition and balance of essential fatty acids during lactation in prolific sows1. Journal of Animal Science, 2015, 93, 2935-2947.	0.5	28
62	Oral Vaccine Formulations Stimulate Mucosal and Systemic Antibody Responses against Staphylococcal Enterotoxin B in a Piglet Model. Vaccine Journal, 2010, 17, 1163-1169.	3.1	27
63	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, 1989-1994.	2.9	26
64	Maternal dietary manganese protects chick embryos against maternal heat stress via epigenetic-activated antioxidant and anti-apoptotic abilities. Oncotarget, 2017, 8, 89665-89680.	1.8	26
65	The health benefits of selenium in food animals: a review. Journal of Animal Science and Biotechnology, 2022, 13, 58.	5.3	26
66	Enrichment of Intestinal Mucosal Phospholipids with Arachidonic and Eicosapentaenoic Acids Fed to Suckling Piglets Is Dose and Time Dependent. Journal of Nutrition, 2008, 138, 2164-2171.	2.9	24
67	Acute effects of rotavirus and malnutrition on intestinal barrier function in neonatal piglets. World Journal of Gastroenterology, 2013, 19, 5094.	3.3	24
68	Safety evaluation of polydextrose in infant formula using a suckling piglet model. Food and Chemical Toxicology, 2009, 47, 1530-1537.	3.6	23
69	Carnitine palmitoyltransferase I control of acetogenesis, the major pathway of fatty acid Î²-oxidation in liver of neonatal swine. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1435-R1443.	1.8	23
70	Dietary Arachidonate Differentially Alters Desaturase-Elongase Pathway Flux and Gene Expression in Liver and Intestine of Suckling Pigs,. Journal of Nutrition, 2011, 141, 548-553.	2.9	23
71	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, 848-855.	4.2	22
72	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.	1.5	22

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73	Quantification of carnitine esters by high-performance liquid chromatography. Biomedical Applications, 1992, 584, 157-165.	1.7	21
74	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, 1799-1807.	2.9	21
75	Diet physical form, fatty acid chain length, and emulsification alter fat utilization and growth of newly weaned pigs1. Journal of Animal Science, 2013, 91, 783-792.	0.5	21
76	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, 615-621.	2.9	20
77	Medium-Chain Fatty Acid Oxidation in Colostrum-Deprived Newborn Piglets: Stimulative Effect of L-Carnitine Supplementation. Journal of Nutrition, 1993, 123, 1531-1537.	2.9	20
78	Evaluation of the nutritional value of glycerol for nursery pigs1. Journal of Animal Science, 2011, 89, 2145-2153.	0.5	20
79	EPA and DHA Inhibit Myogenesis and Downregulate the Expression of Muscle-related Genes in C2C12 Myoblasts. Genes, 2019, 10, 64.	2.4	20
80	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, 2356-2362.	2.9	19
81	Sow and litter response to supplemental dietary fat in lactation diets during high ambient temperatures1. Journal of Animal Science, 2012, 90, 550-559.	0.5	19
82	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, 2174-2182.	2.9	18
83	Changes in Kinetics of Carnitine Palmitoyltransferase in Liver and Skeletal Muscle of Dogs (Canis) Tj ETQq1 1 0.784314 rgBT /Overloc	2.9	18
84	Ontogeny of Carnitine Palmitoyltransferase I Activity, Carnitine-Km, and mRNA Abundance in Pigs throughout Growth and Development2. Journal of Nutrition, 2007, 137, 898-903.	2.9	18
85	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, .	7.1	18
86	Regulation of intestinal glucose absorption: A new issue in animal science. Canadian Journal of Animal Science, 1998, 78, 1-13.	1.5	17
87	Differential induction of peroxisomal Î²-oxidation enzymes by clofibric acid and aspirin in piglet tissues. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R1553-R1561.	1.8	17
88	Effects of feeding <scp>l</scp>â€carnitine to gilts through day 70 of gestation on litter traits and the expression of insulinâ€like growth factor system components and <scp>l</scp>â€carnitine concentration in foetal tissues. Journal of Animal Physiology and Animal Nutrition, 2008, 92, 660-667.	2.2	17
89	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.	6.4	17
90	Urinary Taurine Excretion as a Function of Taurine Intake in Adult Cats ,. Journal of Nutrition, 1992, 122, 1135-1142.	2.9	16

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91	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.	2.9	16
92	Food Deprivation Changes Peroxisomal Î²-Oxidation Activity but Not Catalase Activity during Postnatal Development in Pig Tissues. Journal of Nutrition, 1998, 128, 1114-1121.	2.9	16
93	Dietary conjugated linoleic acid alters long chain polyunsaturated fatty acid metabolism in brain and liver of neonatal pigs. Journal of Nutritional Biochemistry, 2011, 22, 1047-1054.	4.2	16
94	Effects of environmental temperature and dietary manganese on egg production performance, egg quality, and some plasma biochemical traits of broiler breeders1. Journal of Animal Science, 2015, 93, 3431-3440.	0.5	16
95	Evaluation of [1-14C]-Medium-Chain Fatty Acid Oxidation by Neonatal Piglets Using Continuous-Infusion Radiotracer Kinetic Methodology ,. Journal of Nutrition, 1992, 122, 2183-2189.	2.9	16
96	Ontogeny and kinetics of carnitine palmitoyltransferase in liver and skeletal muscle of the domestic felid (). Journal of Nutritional Biochemistry, 2005, 16, 331-338.	4.2	15
97	Dietary Phosphate Restriction Decreases Stem Cell Proliferation and Subsequent Growth Potential in Neonatal Pigs. Journal of Nutrition, 2010, 140, 477-482.	2.9	15
98	Sublethal Staphylococcal Enterotoxin B Challenge Model in Pigs To Evaluate Protection following Immunization with a Soybean-Derived Vaccine. Vaccine Journal, 2013, 20, 24-32.	3.1	15
99	Effects of maternal dietary manganese and incubation temperature on hatchability, antioxidant status, and expression of heat shock proteins in chick embryos1. Journal of Animal Science, 2015, 93, 5725-5734.	0.5	15
100	Current Developments in Nutrition: A New Journal Designed for the Open-Access Era. Current Developments in Nutrition, 2017, 1, 1-4.	0.3	15
101	Emulsification and fatty-acid chain length affect the utilization of medium-chain triglycerides by neonatal pigs. Journal of Animal Science, 1993, 71, 1869-1874.	0.5	14
102	Response of Hepatic Mitochondrial and Peroxisomal Î²-Oxidation to Increasing Palmitate Concentrations in Piglets. Neonatology, 1997, 72, 284-292.	2.0	13
103	Early postnatal kinetics of colostral immunoglobulin G absorption in fed and fasted piglets and developmental expression of the intestinal immunoglobulin G receptor1. Journal of Animal Science, 2013, 91, 211-218.	0.5	13
104	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.	2.5	13
105	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.	4.7	13
106	Short-Term Metabolic Responses Do Not Differ between Neonatal Piglets Fed Formulas Containing Hydrolyzed or Intact Soy Proteins. Journal of Nutrition, 1996, 126, 913-923.	2.9	12
107	Ontogeny and chain-length specificity of gastrointestinal lipases affect medium-chain triacylglycerol utilization by newborn pigs1. Journal of Animal Science, 2006, 84, 818-825.	0.5	12
108	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.	0.5	12

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109	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.	2.3	11
110	Metabolic Regulation of Intestinal Stem Cell Homeostasis. Trends in Cell Biology, 2021, 31, 325-327.	7.9	11
111	Descriptive flavor analysis of bacon and pork loin from lean-genotype gilts fed conjugated linoleic acid and supplemental fat1. Journal of Animal Science, 2006, 84, 3381-3386.	0.5	10
112	Dietary Calcium Restriction Affects Mesenchymal Stem Cell Activity and Bone Development in Neonatal Pigs. Journal of Nutrition, 2011, 141, 373-379.	2.9	10
113	Asparagine reduces the mRNA expression of muscle atrophy markers via regulating protein kinase B (Akt), AMP-activated protein kinase Î±, 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.	2.3	10
114	Implementation Science in the Field of Nutrition: Why Is It So Relevant?. Current Developments in Nutrition, 2019, 3, nzy086.	0.3	10
115	Oesophageal eosinophilia accompanies food allergy to hen egg white protein in young pigs. Clinical and Experimental Allergy, 2020, 50, 95-104.	2.9	10
116	Vegetable Proteins Enhance the Growth of Milk-Fed Piglets, Despite Lower Apparent Ileal Digestibility. Journal of Nutrition, 2005, 135, 2137-2143.	2.9	9
117	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.	0.3	9
118	What Constitutes a Gluconeogenic Precursor?. Journal of Nutrition, 2020, 150, 2239-2241.	2.9	9
119	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.	1.6	9
120	Pigs as Models for Nutrient Functional Interaction. , 1996, , 709-711.		9
121	Clofibrate Increases Long-Chain Fatty Acid Oxidation by Neonatal Pigs. Journal of Nutrition, 2014, 144, 1688-1693.	2.9	8
122	Carnitine. Advances in Nutrition, 2014, 5, 289-290.	6.4	8
123	Activation of PPARÎ± by Oral Clofibrate Increases Renal Fatty Acid Oxidation in Developing Pigs. International Journal of Molecular Sciences, 2017, 18, 2663.	4.1	8
124	Lysine requirement of 1.5â€“5.5 kg pigs fed liquid diets. Animal Production Science, 2014, 54, 608.	1.3	7
125	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, 541-551.	6.4	7
126	Dietary arachidonate in milk replacer triggers dual benefits of PGE2 signaling in LPS-challenged piglet alveolar macrophages. Journal of Animal Science and Biotechnology, 2019, 10, 13.	5.3	7

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127	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.	5.3	6
128	Neither Intact nor Hydrolyzed Soy Proteins Elicit Intestinal Inflammation in Neonatal Piglets. Journal of Parenteral and Enteral Nutrition, 1998, 22, 91-97.	2.6	5
129	Chapter 9 Hepatic fatty acid oxidation and ketogenesis in young pigs. Biology of Growing Animals, 2005, 3, 219-234.	0.3	5
130	Modulation of intestinal stem cell homeostasis by nutrients: a novel therapeutic option for intestinal diseases. Nutrition Research Reviews, 2022, 35, 150-158.	4.1	5
131	Pharmacologic activation of peroxisome proliferator-activating receptor-Î± accelerates hepatic fatty acid oxidation in neonatal pigs. Oncotarget, 2018, 9, 23900-23914.	1.8	5
132	Taurine Utilization by Cats. Journal of Nutrition, 1993, 123, 1932-1933.	2.9	4
133	The Riboflavin Requirement of Adult Dogs at Maintenance Is Greater than Previous Estimates. Journal of Nutrition, 1996, 126, 984-988.	2.9	4
134	Acetogenesis does not replace ketogenesis in fasting piglets infused with hexanoate. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E963-E970.	3.5	3
135	FOCAL ADHESION KINASE (FAK) AND p70 s6 KINASE ARE CRITICAL FOR ARGININE-STIMULATED INTESTINAL CELL MIGRATION.. Journal of Investigative Medicine, 2004, 52, S291-S292.	1.6	3
136	Comments on quantitation of carnitine esters by high-performance liquid chromatography. Biomedical Applications, 1994, 652, 117-118.	1.7	2
137	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.	5.3	2
138	Impact of crude glycerol on feed milling characteristics of swine diets. Animal Feed Science and Technology, 2012, 175, 193-197.	2.2	1
139	Comparative Metabolic Physiology in the â€˜omics' Era: A Call to Arms, Paws, Flippers, and Claws. Advances in Nutrition, 2013, 4, 568-569.	6.4	1
140	What global maternal and child nutrition can learn from animal science. The Lancet Global Health, 2017, 5, e749-e751.	6.3	1
141	Ontogeny of carnitine biosynthesis inSus scrofa domesticus, inferred from Î³-butyrobetaine hydroxylase (dioxygenase) activity and substrate inhibition. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R43-R49.	1.8	1
142	Effects of Dietary Anaplerotic and Ketogenic Energy Sources on Renal Fatty Acid Oxidation Induced by Clofibrate in Suckling Neonatal Pigs. International Journal of Molecular Sciences, 2020, 21, 726.	4.1	1
143	The Neonatal Piglet as a Model to Study Insulin Like Growth Factor Mediated Intestinal Growth and Function. , 1996, , 733-743.		1
144	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.	0.9	1

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145	A Glial Cell Inhibitor Blocks Epithelial Barrier Repair in a Pig Model of Intestinal Ischemia. FASEB Journal, 2020, 34, 1-1.	0.5	1
146	Dietary Prebiotics and Arachidonic Acid (ARA) Modulate Intestinal Injury and Microbial Taxa Following Acute Dextran Sodium Sulfate Induced Colitis in Formulaâ€Fed Piglets. FASEB Journal, 2017, 31, lb324.	0.5	1
147	Focal adhesion kinase (FAK) and p70 S6 kinase are critical for arginine-stimulated intestinal cell migration. Gastroenterology, 2003, 124, A119-A120.	1.3	0
148	ROLE OF mTOR SIGNALING IN INTESTINAL CELL MIGRATION. Journal of Pediatric Gastroenterology and Nutrition, 2005, 41, 514-515.	1.8	0
149	mTOR SIGNALING IS A COMPONENT OF INTESTINAL REPAIR IN PIGLET ROTAVIRUS ENTERITIS. Journal of Pediatric Gastroenterology and Nutrition, 2005, 41, 514.	1.8	0
150	mTOR SIGNALING IS A COMPONENT OF INTESTINAL REPAIR IN PIGLET ROTAVIRUS ENTERITIS. Journal of Pediatric Gastroenterology and Nutrition, 2006, 43, E30.	1.8	0
151	784 Neonates Have a Reduced Ability to Repair Jejunal Mucosal Injury As Compared to Juveniles in a Pig Model of Ischemia/ Reperfusion Injury. Gastroenterology, 2016, 150, S163.	1.3	0
152	PubMed Central Archiving: A Major Milestone for Current Developments in Nutrition. Current Developments in Nutrition, 2018, 2, nzy072.	0.3	0
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