Guoyao Wu

List of Publications by Year
in descending order

588 papers	54,885 citations	1099 112 h-index	1980 206 g-index
596 all docs	596 docs citations	596 times ranked	39289 citing authors

#	Article	IF	Citations
1	Hydroxyproline in animal metabolism, nutrition, and cell signaling. Amino Acids, 2022, 54, 513-528.	2.7	35
2	Dietary supplementation with l-arginine between days 14 and 25 of gestation enhances NO and polyamine syntheses and theÂexpression of angiogenic proteins in porcine placentae. Amino Acids, 2022, 54, 193-204.	2.7	10
3	Amino Acids in Microbial Metabolism and Function. Advances in Experimental Medicine and Biology, 2022, 1354, 127-143.	1.6	10
4	Protein-Sourced Feedstuffs for Aquatic Animals in Nutrition Research and Aquaculture. Advances in Experimental Medicine and Biology, 2022, 1354, 237-261.	1.6	27
5	Hepatic Glucose Metabolism and Its Disorders in Fish. Advances in Experimental Medicine and Biology, 2022, 1354, 207-236.	1.6	14
6	Functional Molecules of Intestinal Mucosal Products and PeptonesÂin Animal Nutrition and Health. Advances in Experimental Medicine and Biology, 2022, 1354, 263-277.	1.6	6
7	Nutrition and Metabolism: Foundations for Animal Growth, Development, Reproduction, and Health. Advances in Experimental Medicine and Biology, 2022, 1354, 1-24.	1.6	32
8	Nutritional and Physiological Regulation of Water Transport in the Conceptus. Advances in Experimental Medicine and Biology, 2022, 1354, 109-125.	1.6	5
9	Phosphate, Calcium, and Vitamin D: Key Regulators of Fetal and Placental Development in Mammals. Advances in Experimental Medicine and Biology, 2022, 1354, 77-107.	1.6	12
10	Insights into the Regulation of Implantation and Placentation in Humans, Rodents, Sheep, and Pigs. Advances in Experimental Medicine and Biology, 2022, 1354, 25-48.	1.6	13
11	L-Arginine Nutrition and Metabolism in Ruminants. Advances in Experimental Medicine and Biology, 2022, 1354, 177-206.	1.6	13
12	Important roles of amino acids in immune responses. British Journal of Nutrition, 2022, 127, 398-402.	2.3	16
13	A Role for Fructose Metabolism in Development of Sheep and Pig Conceptuses. Advances in Experimental Medicine and Biology, 2022, 1354, 49-62.	1.6	4
14	Progesterone and interferon tau regulate expression of polyamine enzymes during the ovine peri-implantation period. Biology of Reproduction, 2022, 106, 865-878.	2.7	1
15	Effects of nutrition and gestational alcohol consumption on fetal growth and development. Nutrition Reviews, 2022, 80, 1568-1579.	5.8	13
16	Microarray analysis reveals an important role for dietary L-arginine in regulating global gene expression in porcine placentae during early gestation. Frontiers in Bioscience, 2022, 27, 1.	2.1	4
17	Effects of progesterone and interferon tau on ovine endometrial phosphate, calcium, and vitamin D signaling. Biology of Reproduction, 2022, 106, 888-899.	2.7	7
18	Amino acids: specific functions. , 2022, , .		1

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19	Oxidation of amino acids, glucose, and fatty acids as metabolic fuels in enterocytes of post-hatching developing chickens. Journal of Animal Science, 2022, 100, .	0.5	7
20	Effects of exogenous progesterone on the expression of mineral regulatory molecules by ovine endometrium and placentomes. Biology of Reproduction, 2022, 106, 1126-1142.	2.7	5
21	Equine enterocytes actively oxidize <scp>l</scp>-glutamine, but do not synthesize <scp>l</scp>-citrulline or <scp>l</scp>-arginine from <scp>l</scp>-glutamine or <scp>l</scp>-proline in vitro. Journal of Animal Science, 2022, 100, .	0.5	1
22	Oxidation of amino acids, glucose, and fatty acids as metabolic fuels in enterocytes of developing pigs. Amino Acids, 2022, 54, 1025-1039.	2.7	13
23	Dietary supplementation with monosodium glutamate enhances milk production by lactating sows and the growth of suckling piglets. Amino Acids, 2022, 54, 1055-1068.	2.7	10
24	The â€œideal proteinâ€•concept is not ideal in animal nutrition. Experimental Biology and Medicine, 2022, 247, 1191-1201.	2.4	14
25	Impact of probiotic Limosilactobacillus reuteri DSM 17938 on amino acid metabolism in the healthy newborn mouse. Amino Acids, 2022, 54, 1383-1401.	2.7	10
26	Temporal and spatial expression of aquaporins 1, 5, 8, and 9: Potential transport of water across the endometrium and chorioallantois of pigs. Placenta, 2022, , .	1.5	2
27	Dietary supplementation with branched-chain amino acids enhances milk production by lactating sows and the growth of suckling piglets. Journal of Animal Science and Biotechnology, 2022, 13, .	5.3	7
28	Use of alternative protein sources for fishmeal replacement in the diet of largemouth bass (Micropterus salmoides). Part I: effects of poultry by-product meal and soybean meal on growth, feed utilization, and health. Amino Acids, 2021, 53, 33-47.	2.7	43
29	Amino Acids in Autophagy: Regulation and Function. Advances in Experimental Medicine and Biology, 2021, 1332, 51-66.	1.6	17
30	Amino Acid Nutrition for Optimum Growth, Development, Reproduction, and Health of Zoo Animals. Advances in Experimental Medicine and Biology, 2021, 1285, 233-253.	1.6	11
31	Dietary Intakes of Amino Acids and Other Nutrients by Adult Humans. Advances in Experimental Medicine and Biology, 2021, 1332, 211-227.	1.6	4
32	Amino Acids in the Nutrition, Metabolism, and Health of Domestic Cats. Advances in Experimental Medicine and Biology, 2021, 1285, 217-231.	1.6	11
33	Interorgan Metabolism of Amino Acids in Human Health and Disease. Advances in Experimental Medicine and Biology, 2021, 1332, 129-149.	1.6	9
34	Amino Acids in Endoplasmic Reticulum Stress and Redox Signaling. Advances in Experimental Medicine and Biology, 2021, 1332, 35-49.	1.6	7
35	Amino Acids in Swine Nutrition and Production. Advances in Experimental Medicine and Biology, 2021, 1285, 81-107.	1.6	29
36	One-Carbon Metabolism and Development of the Conceptus During Pregnancy: Lessons from Studies with Sheep and Pigs. Advances in Experimental Medicine and Biology, 2021, 1285, 1-15.	1.6	19

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37	N-Acetylcysteine improves intestinal function and attenuates intestinal autophagy in piglets challenged with Î²-conglycinin. Scientific Reports, 2021, 11, 1261.	3.3	16
38	Arginine, Agmatine, and Polyamines: Key Regulators of Conceptus Development in Mammals. Advances in Experimental Medicine and Biology, 2021, 1332, 85-105.	1.6	14
39	Amino Acids in Cell Signaling: Regulation and Function. Advances in Experimental Medicine and Biology, 2021, 1332, 17-33.	1.6	10
40	Amino Acid Nutrition and Metabolism in Chickens. Advances in Experimental Medicine and Biology, 2021, 1285, 109-131.	1.6	48
41	Amino Acid Nutrition and Reproductive Performance in Ruminants. Advances in Experimental Medicine and Biology, 2021, 1285, 43-61.	1.6	22
42	Composition of Amino Acids in Foodstuffs for Humans and Animals. Advances in Experimental Medicine and Biology, 2021, 1332, 189-210.	1.6	30
43	Nutrition and Functions of Amino Acids in Aquatic Crustaceans. Advances in Experimental Medicine and Biology, 2021, 1285, 169-198.	1.6	38
44	Use of alternative protein sources for fishmeal replacement in the diet of largemouth bass (Micropterus salmoides). Part II: effects of supplementation with methionine or taurine on growth, feed utilization, and health. Amino Acids, 2021, 53, 49-62.	2.7	25
45	Intrauterine growth restriction alters nutrient metabolism in the intestine of porcine offspring. Journal of Animal Science and Biotechnology, 2021, 12, 15.	5.3	18
46	In vivo emergence of beige-like fat in chickens as physiological adaptation to cold environments. Amino Acids, 2021, 53, 381-393.	2.7	6
47	Puerarin enhances intestinal function in piglets infected with porcine epidemic diarrhea virus. Scientific Reports, 2021, 11, 6552.	3.3	21
48	Pre-implantation exogenous progesterone and pregnancy in sheep: I. polyamines, nutrient transport, and progestamedins. Journal of Animal Science and Biotechnology, 2021, 12, 39.	5.3	10
49	Pre-implantation exogenous progesterone and pregnancy in sheep. II. Effects on fetal-placental development and nutrient transporters in late pregnancy. Journal of Animal Science and Biotechnology, 2021, 12, 46.	5.3	20
50	Dietary Supplementation with Glycine Enhances Intestinal Mucosal Integrity and Ameliorates Inflammation in C57BL/6J Mice with High-Fat Dietâ€"Induced Obesity. Journal of Nutrition, 2021, 151, 1769-1778.	2.9	14
51	Dietary L-arginine supplementation during days 14â€"25 of gestation enhances aquaporin expression in the placentae and endometria of gestating gilts. Amino Acids, 2021, 53, 1287-1295.	2.7	8
52	Cortisol enhances citrulline synthesis from proline in enterocytes of suckling piglets. Amino Acids, 2021, 53, 1957-1966.	2.7	17
53	Impact of gestational electronic cigarette vaping on amino acid signature profile in the pregnant mother and the fetus. Metabolism Open, 2021, 11, 100107.	2.9	1
54	Placental adaptation to maternal malnutrition. Reproduction, 2021, 162, R73-R83.	2.6	10

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55	Role of L-Arginine in Nitric Oxide Synthesis and Health in Humans. Advances in Experimental Medicine and Biology, 2021, 1332, 167-187.	1.6	74
56	Amino Acids and Their Metabolites for Improving Human Exercising Performance. Advances in Experimental Medicine and Biology, 2021, 1332, 151-166.	1.6	9
57	Oxidation of Energy Substrates in Tissues of Fish: Metabolic Significance and Implications for Gene Expression and Carcinogenesis. Advances in Experimental Medicine and Biology, 2021, 1332, 67-83.	1.6	9
58	Regulation of Gene Expression by Amino Acids in Animal Cells. Advances in Experimental Medicine and Biology, 2021, 1332, 1-15.	1.6	6
59	Cell-Specific Expression of Enzymes for Serine Biosynthesis and Glutaminolysis in Farm Animals. Advances in Experimental Medicine and Biology, 2021, 1285, 17-28.	1.6	12
60	Interorgan Metabolism, Nutritional Impacts,Âand Safety of Dietary L-Glutamate and L-Glutamine in Poultry. Advances in Experimental Medicine and Biology, 2021, 1332, 107-128.	1.6	8
61	Nutrition and Functions of Amino Acids in Fish. Advances in Experimental Medicine and Biology, 2021, 1285, 133-168.	1.6	50
62	Polyamine synthesis from arginine and proline in tissues of developing chickens. Amino Acids, 2021, 53, 1739-1748.	2.7	10
63	Amino Acids: Chemistry and Classification. , 2021, , .		0
64	Amino acids: metabolism. , 2021, , .		1
65	Amino acids in nutrition, health, and disease. Frontiers in Bioscience, 2021, 26, 1386-1392.	2.1	9
66	Protective Effects of Ghrelin on Fasting-Induced Muscle Atrophy in Aging Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 621-630.	3.6	56
67	Metabolic studies reveal that ruminal microbes of adult steers do not degrade rumen-protected or unprotected L-citrulline. Journal of Animal Science, 2020, 98, .	0.5	15
68	Mechanotransduction drives morphogenesis to develop folding during placental development in pigs. Placenta, 2020, 90, 62-70.	1.5	27
69	Oxidation of energy substrates in tissues of largemouth bass (Micropterus salmoides). Amino Acids, 2020, 52, 1017-1032.	2.7	30
70	Effects of dietary protein and lipid levels on the growth performance, feed utilization, and liver histology of largemouth bass (Micropterus salmoides). Amino Acids, 2020, 52, 1043-1061.	2.7	35
71	Effects of dietary starch and lipid levels on the protein retention and growth of largemouth bass (Micropterus salmoides). Amino Acids, 2020, 52, 999-1016.	2.7	47
72	Effects of dietary protein intake on the oxidation of glutamate, glutamine, glucose and palmitate in tissues of largemouth bass (Micropterus salmoides). Amino Acids, 2020, 52, 1491-1503.	2.7	11

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73	Regulatory role of l-proline in fetal pig growth and intestinal epithelial cell proliferation. Animal Nutrition, 2020, 6, 438-446.	5.1	9
74	Effects of Bisphenol A on expression of genes related to amino acid transporters, insulin- like growth factor, aquaporin and amino acid release by porcine trophectoderm cells. Reproductive Toxicology, 2020, 96, 241-248.	2.9	6
75	Prenatal alcohol exposure and maternal glutamine supplementation alter the mTOR signaling pathway in ovine fetal cerebellum and skeletal muscle. Alcohol, 2020, 89, 93-102.	1.7	7
76	Obesity increases hepatic glycine dehydrogenase and aminomethyltransferase expression while dietary glycine supplementation reduces white adipose tissue in Zucker diabetic fatty rats. Amino Acids, 2020, 52, 1413-1423.	2.7	16
77	Effect of supplementation of unprotected or protected arginine to prolific ewes on maternal amino acids profile, lamb survival at birth, and pre- and post-weaning lamb growth. Journal of Animal Science, 2020, 98, .	0.5	6
78	Dietary L-arginine supplementation reduces lipid accretion by regulating fatty acid metabolism in Nile tilapia (Oreochromis niloticus). Journal of Animal Science and Biotechnology, 2020, 11, 82.	5.3	19
79	Organogenesis of Ileal Peyer's Patches Is Initiated Prenatally and Accelerated Postnatally With Comprehensive Proliferation of B Cells in Pigs. Frontiers in Immunology, 2020, 11, 604674.	4.8	9
80	Maternal arginine supplementation enhances thermogenesis in the newborn lamb. Journal of Animal Science, 2020, 98, .	0.5	8
81	Nutrition and metabolism of glutamate and glutamine in fish. Amino Acids, 2020, 52, 671-691.	2.7	74
82	Ruminal microbes of adult sheep do not degrade extracellular l-citrulline. Journal of Animal Science, 2020, 98, .	0.5	11
83	Dietary L-Tryptophan Regulates Colonic Serotonin Homeostasis in Mice with Dextran Sodium Sulfate-Induced Colitis. Journal of Nutrition, 2020, 150, 1966-1976.	2.9	34
84	3-Acetyldeoxynivalenol induces lysosomal membrane permeabilization-mediated apoptosis and inhibits autophagic flux in macrophages. Environmental Pollution, 2020, 265, 114697.	7.5	16
85	Placentae for Low Birth Weight Piglets Are Vulnerable to Oxidative Stress, Mitochondrial Dysfunction, and Impaired Angiogenesis. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-12.	4.0	29
86	Composition of amino acids and related nitrogenous nutrients in feedstuffs for animal diets. Amino Acids, 2020, 52, 523-542.	2.7	112
87	Management of metabolic disorders (including metabolic diseases) in ruminant and nonruminant animals. , 2020, , 471-491.		14
88	Effects of maternal l-proline supplementation on inflammatory cytokines at the placenta and fetus interface of mice. Amino Acids, 2020, 52, 587-596.	2.7	6
89	Quantitative Proteomic Analysis Reveals Antiviral and Anti-inflammatory Effects of Puerarin in Piglets Infected With Porcine Epidemic Diarrhea Virus. Frontiers in Immunology, 2020, 11, 169.	4.8	28
90	Glycine Attenuates LPS-Induced Apoptosis and Inflammatory Cell Infiltration in Mouse Liver. Journal of Nutrition, 2020, 150, 1116-1125.	2.9	25

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91	Important roles of dietary taurine, creatine, carnosine, anserine and 4-hydroxyproline in human nutrition and health. Amino Acids, 2020, 52, 329-360.	2.7	254
92	Elucidation of the Effects of a Current X-SCID Therapy on Intestinal Lymphoid Organogenesis Using an InÂVivo Animal Model. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 83-100.	4.5	5
93	Daily watermelon consumption decreases plasma sVCAM-1 levels in overweight and obese postmenopausal women. Nutrition Research, 2020, 76, 9-19.	2.9	18
94	Fermentation techniques in feed production. , 2020, , 407-429.		9
95	Dynamic changes in circulating levels of metabolites in the portalâ€drained viscera of finishing pigs receiving acute administration of l â€arginine. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1424-1431.	2.2	0
96	N-Acetyl Serotonin Alleviates Oxidative Damage by Activating Nuclear Factor Erythroid 2-Related Factor 2 Signaling in Porcine Enterocytes. Antioxidants, 2020, 9, 303.	5.1	9
97	Metabolism of Amino Acids in the Brain and Their Roles in Regulating Food Intake. Advances in Experimental Medicine and Biology, 2020, 1265, 167-185.	1.6	35
98	Metabolism and Functions of Amino Acids in Sense Organs. Advances in Experimental Medicine and Biology, 2020, 1265, 201-217.	1.6	11
99	Amino Acid Metabolism in the Liver: Nutritional and Physiological Significance. Advances in Experimental Medicine and Biology, 2020, 1265, 21-37.	1.6	55
100	Epithelial Dysfunction in Lung Diseases: Effects of Amino Acids and Potential Mechanisms. Advances in Experimental Medicine and Biology, 2020, 1265, 57-70.	1.6	16
101	Amino Acid Metabolism in the Kidneys: Nutritional and Physiological Significance. Advances in Experimental Medicine and Biology, 2020, 1265, 71-95.	1.6	40
102	Impacts of Amino Acids on the Intestinal Defensive System. Advances in Experimental Medicine and Biology, 2020, 1265, 133-151.	1.6	16
103	Maternal Nutrient Restriction and Skeletal Muscle Development: Consequences for Postnatal Health. Advances in Experimental Medicine and Biology, 2020, 1265, 153-165.	1.6	13
104	Interferon tau: Influences on growth and development of the conceptus. Theriogenology, 2020, 150, 75-83.	2.1	17
105	Analysis of Tryptophan and Its Metabolites by High-Performance Liquid Chromatography. Methods in Molecular Biology, 2019, 2030, 131-142.	0.9	8
106	Oral administration of Î±-ketoglutarate enhances nitric oxide synthesis by endothelial cells and whole-body insulin sensitivity in diet-induced obese rats. Experimental Biology and Medicine, 2019, 244, 1081-1088.	2.4	13
107	Cecropin A Alleviates Inflammation Through Modulating the Gut Microbiota of C57BL/6 Mice With DSS-Induced IBD. Frontiers in Microbiology, 2019, 10, 1595.	3.5	79
108	Ruminal microbes of adult steers do not degrade extracellular L-citrulline and have a limited ability to metabolize extracellular L-glutamate1,2. Journal of Animal Science, 2019, 97, 3611-3616.	0.5	12

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109	l-Glutamine Represses the Unfolded Protein Response in the Small Intestine of Weanling Piglets. Journal of Nutrition, 2019, 149, 1904-1910.	2.9	22
110	Lactobacillus reuteriDSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites. American Journal of Physiology - Renal Physiology, 2019, 317, G824-G838.	3.4	50
111	Putrescine mitigates intestinal atrophy through suppressing inflammatory response in weanling piglets. Journal of Animal Science and Biotechnology, 2019, 10, 69.	5.3	27
112	Hepatoprotective effect of chlorogenic acid against chronic liver injury in inflammatory rats. Journal of Functional Foods, 2019, 62, 103540.	3.4	27
113	Adverse organogenesis and predisposed long-term metabolic syndrome from prenatal exposure to fine particulate matter. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11590-11595.	7.1	56
114	Composition of polyamines and amino acids in plant-source foods for human consumption. Amino Acids, 2019, 51, 1153-1165.	2.7	105
115	Protective Effects of Functional Amino Acids on Apoptosis, Inflammatory Response, and Pulmonary Fibrosis in Lipopolysaccharide-Challenged Mice. Journal of Agricultural and Food Chemistry, 2019, 67, 4915-4922.	5.2	30
116	Application of new biotechnologies for improvements in swine nutrition and pork production. Journal of Animal Science and Biotechnology, 2019, 10, 28.	5.3	17
117	Maternal l-proline supplementation during gestation alters amino acid and polyamine metabolism in the first generation female offspring of C57BL/6J mice. Amino Acids, 2019, 51, 805-811.	2.7	14
118	Leucine alone or in combination with glutamic acid, but not with arginine, increases biceps femoris muscle and alters muscle AA transport and concentrations in fattening pigs. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 791-800.	2.2	10
119	Regulation of protein synthesis in porcine mammary epithelial cells by l-valine. Amino Acids, 2019, 51, 717-726.	2.7	22
120	Glutamine Metabolism in Macrophages: A Novel Target for Obesity/Type 2 Diabetes. Advances in Nutrition, 2019, 10, 321-330.	6.4	121
121	253 Glutamate and glutamine are the major metabolic fuels in enterocytes of suckling piglets. Journal of Animal Science, 2019, 97, 68-68.	0.5	5
122	251 Oxidation of energy substrates in tissues of Largemouth bass (Micropterus salmoides). Journal of Animal Science, 2019, 97, 68-69.	0.5	3
123	Microarray analysis reveals the inhibition of intestinal expression of nutrient transporters in piglets infected with porcine epidemic diarrhea virus. Scientific Reports, 2019, 9, 19798.	3.3	15
124	127 Dietary supplementation with glycine improves the post-weaning growth of low-birth-weight pigs. Journal of Animal Science, 2019, 97, 112-112.	0.5	1
125	Dietary l-Tryptophan Supplementation Enhances the Intestinal Mucosal Barrier Function in Weaned Piglets: Implication of Tryptophan-Metabolizing Microbiota. International Journal of Molecular Sciences, 2019, 20, 20.	4.1	95
126	Maternal L-proline supplementation enhances fetal survival, placental development, and nutrient transport in miceâ€. Biology of Reproduction, 2019, 100, 1073-1081.	2.7	34

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127	l-Arginine and l-Citrulline in Sports Nutrition and Health. , 2019, , 645-652.		5
128	Effects of pyrroloquinoline quinone supplementation on growth performance and small intestine characteristics in weaned pigs1,2. Journal of Animal Science, 2019, 97, 246-256.	0.5	23
129	Glycine supplementation to breast-fed piglets attenuates post-weaning jejunal epithelial apoptosis: a functional role of CHOP signaling. Amino Acids, 2019, 51, 463-473.	2.7	26
130	Effects of BPA on expression of apoptotic genes and migration of ovine trophectoderm (oTr1) cells during the peri-implantation period of pregnancy. Reproductive Toxicology, 2019, 83, 73-79.	2.9	6
131	Metabolism, Nutrition, and Redox Signaling of Hydroxyproline. Antioxidants and Redox Signaling, 2019, 30, 674-682.	5.4	61
132	Analysis of repeated measures data in nutrition research. Frontiers in Bioscience - Landmark, 2019, 24, 1377-1389.	3.0	10
133	Mechanisms for the establishment and maintenance of pregnancy: synergies from scientific collaborationsâ€. Biology of Reproduction, 2018, 99, 225-241.	2.7	61
134	Impacts of maternal dietary protein intake on fetal survival, growth, and development. Experimental Biology and Medicine, 2018, 243, 525-533.	2.4	96
135	Effects of Bisphenol-A on proliferation and expression of genes related to synthesis of polyamines, interferon tau and insulin-like growth factor 2 by ovine trophectoderm cells. Reproductive Toxicology, 2018, 78, 90-96.	2.9	6
136	l-Glutamine Attenuates Apoptosis in Porcine Enterocytes by Regulating Glutathione-Related Redox Homeostasis. Journal of Nutrition, 2018, 148, 526-534.	2.9	45
137	Effects of catecholamines on secretion of interferon tau and expression of genes for synthesis of polyamines and apoptosis by ovine trophectodermâ€. Biology of Reproduction, 2018, 99, 611-628.	2.7	18
138	l-Arginine regulates protein turnover in porcine mammary epithelial cells to enhance milk protein synthesis. Amino Acids, 2018, 50, 621-628.	2.7	22
139	Glycine enhances expression of adiponectin and IL-10 in 3T3-L1 adipocytes without affecting adipogenesis and lipolysis. Amino Acids, 2018, 50, 629-640.	2.7	21
140	Innate differences and colostrum-induced alterations of jejunal mucosal proteins in piglets with intra-uterine growth restriction. British Journal of Nutrition, 2018, 119, 734-747.	2.3	33
141	Analysis of Glutathione in Biological Samples by HPLC Involving Pre-Column Derivatization with o-Phthalaldehyde. Methods in Molecular Biology, 2018, 1694, 105-115.	0.9	12
142	Regional dysregulation of taurine and related amino acids in the fetal rat brain following gestational alcohol exposure. Alcohol, 2018, 66, 27-33.	1.7	10
143	Roles of dietary glycine, proline, and hydroxyproline in collagen synthesis and animal growth. Amino Acids, 2018, 50, 29-38.	2.7	304
144	Functional roles of agmatinase during the peri-implantation period of pregnancy in sheep. Amino Acids, 2018, 50, 293-308.	2.7	7

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145	Functional Multiple Indicators, Multiple Causes Measurement Error Models. Biometrics, 2018, 74, 127-134.	1.4	3
146	BOARD-INVITED REVIEW: Arginine nutrition and metabolism in growing, gestating, and lactating swine1,2. Journal of Animal Science, 2018, 96, 5035-5051.	0.5	50
147	Dietary Supplementation with Trihexanoin Enhances Intestinal Function of Weaned Piglets. International Journal of Molecular Sciences, 2018, 19, 3277.	4.1	10
148	Metabolic and Proteomic Responses to Long-Term Protein Restriction in a Pig Model. Journal of Agricultural and Food Chemistry, 2018, 66, 12571-12579.	5.2	13
149	Nutritionally Essential Amino Acids. Advances in Nutrition, 2018, 9, 849-851.	6.4	69
150	Hydroxyproline Attenuates Dextran Sulfate Sodiumâ€Induced Colitis in Mice: Involvment of the NFâ€ÎºB Signaling and Oxidative Stress. Molecular Nutrition and Food Research, 2018, 62, e1800494.	3.3	48
151	The relevance of functional amino acids to support the health of growing pigs. Animal Feed Science and Technology, 2018, 245, 104-116.	2.2	47
152	Dietary supplementation with an amino acid blend enhances intestinal function in piglets. Amino Acids, 2018, 50, 1089-1100.	2.7	44
153	Safety of dietary supplementation with arginine in adult humans. Amino Acids, 2018, 50, 1215-1229.	2.7	50
154	Maternal l-glutamine supplementation during late gestation alleviates intrauterine growth restriction-induced intestinal dysfunction in piglets. Amino Acids, 2018, 50, 1289-1299.	2.7	19
155	Homeostatic regulation of plasma amino acid concentrations. Frontiers in Bioscience - Landmark, 2018, 23, 640-655.	3.0	19
156	Establishment of a porcine model of indomethacin-induced intestinal injury. Frontiers in Bioscience - Landmark, 2018, 23, 2166-2176.	3.0	6
157	Protein. Advances in Nutrition, 2018, 9, 651-653.	6.4	38
158	Amino Acids As Mediators of Metabolic Cross Talk between Host and Pathogen. Frontiers in Immunology, 2018, 9, 319.	4.8	87
159	Dietary Supplementation with Oleum Cinnamomi Improves Intestinal Functions in Piglets. International Journal of Molecular Sciences, 2018, 19, 1284.	4.1	10
160	Functional roles of ornithine decarboxylase and arginine decarboxylase during the peri-implantation period of pregnancy in sheep. Journal of Animal Science and Biotechnology, 2018, 9, 10.	5.3	10
161	Endoplasmic reticulum stress-induced apoptosis in intestinal epithelial cells: a feed-back regulation by mechanistic target of rapamycin complex 1 (mTORC1). Journal of Animal Science and Biotechnology, 2018, 9, 38.	5.3	21
162	l-Glutamate nutrition and metabolism in swine. Amino Acids, 2018, 50, 1497-1510.	2.7	71

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163	Dietary L-Tryptophan Modulates the Structural and Functional Composition of the Intestinal Microbiome in Weaned Piglets. Frontiers in Microbiology, 2018, 9, 1736.	3.5	117
164	Establishment of a recombinant i Escherichia coli i -induced piglet diarrhea model. Frontiers in Bioscience - Landmark, 2018, 23, 1517-1534.	3.0	10
165	Cellular events during ovine implantation and impact for gestation. Animal Reproduction, 2018, 15, 843-855.	1.0	32
166	Nutritionally Nonessential Amino Acids: A Misnomer in Nutritional Sciences. Advances in Nutrition, 2017, 8, 137-139.	6.4	75
167	Melatonin signaling in <scp>T</scp> cells: Functions and applications. Journal of Pineal Research, 2017, 62, e12394.	7.4	154
168	N-Acetylcysteine improves intestinal function in lipopolysaccharides-challenged piglets through multiple signaling pathways. Amino Acids, 2017, 49, 1915-1929.	2.7	34
169	AMPK/Î±-Ketoglutarate Axis Regulates Intestinal Water and Ion Homeostasis in Young Pigs. Journal of Agricultural and Food Chemistry, 2017, 65, 2287-2298.	5.2	35
170	Î²-Conglycinin enhances autophagy in porcine enterocytes. Amino Acids, 2017, 49, 203-207.	2.7	7
171	N-Acetylcysteine supplementation alleviates intestinal injury in piglets infected by porcine epidemic diarrhea virus. Amino Acids, 2017, 49, 1931-1943.	2.7	32
172	Amino-acid transporters in T-cell activation and differentiation. Cell Death and Disease, 2017, 8, e2655-e2655.	6.3	102
173	l-Arginine promotes protein synthesis and cell growth in brown adipocyte precursor cells via the mTOR signal pathway. Amino Acids, 2017, 49, 957-964.	2.7	50
174	Roles of amino acids in preventing and treating intestinal diseases: recent studies with pig models. Amino Acids, 2017, 49, 1277-1291.	2.7	54
175	Fetal and neonatal programming of postnatal growth and feed efficiency in swine. Journal of Animal Science and Biotechnology, 2017, 8, 42.	5.3	65
176	Nutritional support for low birth weight infants: insights from animal studies. British Journal of Nutrition, 2017, 117, 1390-1402.	2.3	29
177	Functional amino acids in the development of the pig placenta. Molecular Reproduction and Development, 2017, 84, 870-882.	2.0	57
178	Identification of appropriate reference genes for qPCR analyses of placental expression of SLC7A3 and induction of SLC5A1 in porcine endometrium. Placenta, 2017, 52, 1-9.	1.5	13
179	Protein hydrolysates in animal nutrition: Industrial production, bioactive peptides, and functional significance. Journal of Animal Science and Biotechnology, 2017, 8, 24.	5.3	233
180	Indole: An evolutionarily conserved influencer of behavior across kingdoms. BioEssays, 2017, 39, 1600203.	2.5	56

#	Article	IF	Citations
181	Pig models on intestinal development and therapeutics. Amino Acids, 2017, 49, 2099-2106.	2.7	19
182	Amino acids are major energy substrates for tissues of hybrid striped bass and zebrafish. Amino Acids, 2017, 49, 2053-2063.	2.7	69
183	Escherichia coli aggravates endoplasmic reticulum stress and triggers CHOP-dependent apoptosis in weaned pigs. Amino Acids, 2017, 49, 2073-2082.	2.7	16
184	Physiological alterations associated with intrauterine growth restriction in fetal pigs: Causes and insights for nutritional optimization. Molecular Reproduction and Development, 2017, 84, 897-904.	2.0	66
185	Control of seizures by ketogenic diet-induced modulation of metabolic pathways. Amino Acids, 2017, 49, 1-20.	2.7	50
186	Dietary Supplementation with Lactobacillus casei Alleviates Lipopolysaccharide-Induced Liver Injury in a Porcine Model. International Journal of Molecular Sciences, 2017, 18, 2535.	4.1	23
187	Expression of proteins in intestinal middle villus epithelial cells of weanling piglets. Frontiers in Bioscience - Landmark, 2017, 22, 539-557.	3.0	6
188	Intestinal Epithelial Cell Endoplasmic Reticulum Stress and Inflammatory Bowel Disease Pathogenesis: An Update Review. Frontiers in Immunology, 2017, 8, 1271.	4.8	79
189	Cinnamicaldehyde regulates the expression ofÂtight junction proteins and amino acid transporters in intestinal porcine epithelial cells. Journal of Animal Science and Biotechnology, 2017, 8, 66.	5.3	29
190	Effects of Dietary Lysine Levels on the Plasma Concentrations of Growthâ€Related Hormones in Lateâ€Stage Finishing Pigs. , 2017, , .		2
191	Mitochondrial pathway is involved in the protective effects of alpha-ketoglutarate on hydrogen peroxide induced damage to intestinal cells. Oncotarget, 2017, 8, 74820-74835.	1.8	20
192	Roles of Arginine in Cell-Mediated and Humoral Immunity. , 2017, , 335-348.		2
193	Roles of Biogenic Amines in Intestinal Signaling. Current Protein and Peptide Science, 2017, 18, 532-540.	1.4	34
194	L-Arginine Modulates Glucose and Lipid Metabolism in Obesity and Diabetes. Current Protein and Peptide Science, 2017, 18, 599-608.	1.4	79
195	Gene expression profiles in the intestine of lipopolysaccharide-challenged piglets. Frontiers in Bioscience - Landmark, 2016, 21, 487-501.	3.0	22
196	mTOR. , 2016, , 23-35.		14
197	Interferon Tau Affects Mouse Intestinal Microbiota and Expression of IL-17. Mediators of Inflammation, 2016, 2016, 1-9.	3.0	21
198	Differential proteome analysis along jejunal crypt-villus axis in piglets. Frontiers in Bioscience - Landmark, 2016, 21, 343-363.	3.0	19

#	Article	IF	Citations
199	Glutamine-Induced Secretion of Intestinal Secretory Immunoglobulin A: A Mechanistic Perspective. Frontiers in Immunology, 2016, 7, 503.	4.8	54
200	Chlorogenic acid from honeysuckle improves hepatic lipid dysregulation and modulates hepatic fatty acid composition in rats with chronic endotoxin infusion. Journal of Clinical Biochemistry and Nutrition, 2016, 58, 146-155.	1.4	21
201	Dietary Supplementation with Î±-Ketoglutarate Activates mTOR Signaling and Enhances Energy Status in Skeletal Muscle of Lipopolysaccharide-Challenged Piglets. Journal of Nutrition, 2016, 146, 1514-1520.	2.9	30
202	Uterine glands impact uterine receptivity, luminal fluid homeostasis and blastocyst implantation. Scientific Reports, 2016, 6, 38078.	3.3	65
203	Glycine Regulates Expression and Distribution of Claudin-7 and ZO-3 Proteins in Intestinal Porcine Epithelial Cells. Journal of Nutrition, 2016, 146, 964-969.	2.9	42
204	Leucine in Obesity: Therapeutic Prospects. Trends in Pharmacological Sciences, 2016, 37, 714-727.	8.7	64
205	Amino acid composition in eyes from zebrafish (Danio rerio) and sardine (Sardina pilchardus) at the larval stage. SpringerPlus, 2016, 5, 519.	1.2	8
206	Intracellular sources of ornithine for polyamine synthesis in endothelial cells. Amino Acids, 2016, 48, 2401-2410.	2.7	24
207	Decreased hippocampal homoarginine and increased nitric oxide and nitric oxide synthase levels in rats parallel training in a radial arm maze. Amino Acids, 2016, 48, 2197-2204.	2.7	10
208	Effects of agmatine on secretion of interferon tau and catecholamines and expression of genes related to production of polyamines by ovine trophectoderm cells. Amino Acids, 2016, 48, 2389-2399.	2.7	14
209	Catabolism and safety of supplemental l-arginine in animals. Amino Acids, 2016, 48, 1541-1552.	2.7	67
210	The glutamine-alpha-ketoglutarate (AKG) metabolism and its nutritional implications. Amino Acids, 2016, 48, 2067-2080.	2.7	139
211	Methionine restriction on lipid metabolism and its possible mechanisms. Amino Acids, 2016, 48, 1533-1540.	2.7	58
212	mTORC1 signaling and ILâ€17 expression: Defining pathways and possible therapeutic targets. European Journal of Immunology, 2016, 46, 291-299.	2.9	91
213	Uterine Histotroph and Conceptus Development. II. Arginine and Secreted Phosphoprotein 1 Cooperatively Stimulate Migration and Adhesion of Ovine Trophectoderm Cells via Focal Adhesion-MTORC2 Mediated Cytoskeleton Reorganization. Biology of Reproduction, 2016, 95, 71-71.	2.7	21
214	Effects of dietary lysine levels on plasma free amino acid profile in late-stage finishing pigs. SpringerPlus, 2016, 5, 888.	1.2	17
215	Safety and Effectiveness of Arginine in Adults. Journal of Nutrition, 2016, 146, 2587S-2593S.	2.9	60
216	4-Hydroxy-2-nonenal induces apoptosis by activating ERK1/2 signaling and depleting intracellular glutathione in intestinal epithelial cells. Scientific Reports, 2016, 6, 32929.	3.3	37

#	Article	IF	Citations
217	Glycine Regulates Protein Turnover by Activating Protein Kinase B/Mammalian Target of Rapamycin and by Inhibiting MuRF1 and Atrogin-1 Gene Expression in C2C12 Myoblasts. Journal of Nutrition, 2016, 146, 2461-2467.	2.9	41
218	Glutamine promotes intestinal SIgA secretion through intestinal microbiota and ILâ€13. Molecular Nutrition and Food Research, 2016, 60, 1637-1648.	3.3	72
219	Alpha-ketoglutarate enhances milk protein synthesis by porcine mammary epithelial cells. Amino Acids, 2016, 48, 2179-2188.	2.7	19
220	Amino acids and mammary gland development: nutritional implications for milk production and neonatal growth. Journal of Animal Science and Biotechnology, 2016, 7, 20.	5.3	134
221	Alterations of amino acid metabolism in osteoarthritis: its implications for nutrition and health. Amino Acids, 2016, 48, 907-914.	2.7	66
222	Dietary protein intake and human health. Food and Function, 2016, 7, 1251-1265.	4.6	385
223	Whole-body synthesis of l-homoarginine in pigs and rats supplemented with l-arginine. Amino Acids, 2016, 48, 993-1001.	2.7	32
224	Endogenous Synthesis of Amino Acids Limits Growth, Lactation, and Reproduction in Animals. Advances in Nutrition, 2016, 7, 331-342.	6.4	64
225	L-Glutamine Enhances Tight Junction Integrity by Activating CaMK Kinase 2â€"AMP-Activated Protein Kinase Signaling in Intestinal Porcine Epithelial Cells. Journal of Nutrition, 2016, 146, 501-508.	2.9	109
226	Î²-Hydroxy-Î²-methylbutyrate, mitochondrial biogenesis, and skeletal muscle health. Amino Acids, 2016, 48, 653-664.	2.7	50
227	Co-dependence of genotype and dietary protein intake to affect expression on amino acid/peptide transporters in porcine skeletal muscle. Amino Acids, 2016, 48, 75-90.	2.7	26
228	The role of leucine and its metabolites in protein and energy metabolism. Amino Acids, 2016, 48, 41-51.	2.7	209
229	Dietary supplementation with l-glutamate and l-aspartate alleviates oxidative stress in weaned piglets challenged with hydrogen peroxide. Amino Acids, 2016, 48, 53-64.	2.7	74
230	Nutritional epigenetics with a focus on amino acids: implications for the development and treatment of metabolic syndrome. Journal of Nutritional Biochemistry, 2016, 27, 1-8.	4.2	58
231	N-acetylcysteine stimulates protein synthesis in enterocytes independently of glutathione synthesis. Amino Acids, 2016, 48, 523-533.	2.7	26
232	Excessive l-cysteine induces vacuole-like cell death by activating endoplasmic reticulum stress and mitogen-activated protein kinase signaling in intestinal porcine epithelial cells. Amino Acids, 2016, 48, 149-156.	2.7	23
233	Low-protein diets affect ileal amino acid digestibility and gene expression of digestive enzymes in growing and finishing pigs. Amino Acids, 2016, 48, 21-30.	2.7	70
234	<scp>l</scp>â€Cysteine metabolism and its nutritional implications. Molecular Nutrition and Food Research, 2016, 60, 134-146.	3.3	235

#	Article	IF	Citations
235	Intestinal Microbiota-Derived GABA Mediates Interleukin-17 Expression during Enterotoxigenic Escherichia coli Infection. Frontiers in Immunology, 2016, 7, 685.	4.8	70
236	Autophagy and tight junction proteins in the intestine and intestinal diseases. Animal Nutrition, 2015, 1, 123-127.	5.1	55
237	Maternal obesity disrupts the methionine cycle in baboon pregnancy. Physiological Reports, 2015, 3, e12564.	1.7	26
238	Select nutrients and their effects on conceptus development in mammals. Animal Nutrition, 2015, 1, 85-95.	5.1	55
239	Aquaporins in the female reproductive system of mammals. Frontiers in Bioscience - Landmark, 2015, 20, 838-871.	3.0	48
240	L-Arginine improves DNA synthesis in LPS-challenged enterocytes. Frontiers in Bioscience - Landmark, 2015, 20, 989-1003.	3.0	38
241	Metabolomic analysis of plasma and liver from surplus arginine fed Atlantic salmon. Frontiers in Bioscience - Elite, 2015, 7, 77-89.	1.8	5
242	Beneficial roles of dietary oleum cinnamomi in alleviating intestinal injury. Frontiers in Bioscience - Landmark, 2015, 20, 814-828.	3.0	24
243	N-acetylcysteine and intestinal health a focus on its mechanism of action. Frontiers in Bioscience - Landmark, 2015, 20, 872-891.	3.0	39
244	Uterine Histotroph and Conceptus Development. I. Cooperative Effects of Arginine and Secreted Phosphoprotein 1 on Proliferation of Ovine Trophectoderm Cells via Activation of the PDK1-Akt/PKB-TSC2-MTORC1 Signaling Cascade1. Biology of Reproduction, 2015, 92, 51.	2.7	24
245	Dietary essentiality of â€œnutritionally non-essential amino acidsâ€•for animals and humans. Experimental Biology and Medicine, 2015, 240, 997-1007.	2.4	195
246	l-Leucine and NO-mediated cardiovascular function. Amino Acids, 2015, 47, 435-447.	2.7	36
247	The many faces of interferon tau. Amino Acids, 2015, 47, 449-460.	2.7	48
248	Amino acid metabolism in intestinal bacteria and its potential implications for mammalian reproduction. Molecular Human Reproduction, 2015, 21, 389-409.	2.8	150
249	Key mediators of intracellular amino acids signaling to mTORC1 activation. Amino Acids, 2015, 47, 857-867.	2.7	35
250	Rapid publication-ready MS-Word tables for two-way ANOVA. SpringerPlus, 2015, 4, 33.	1.2	60
251	Safety of long-term dietary supplementation with l-arginine in pigs. Amino Acids, 2015, 47, 925-936.	2.7	44
252	Use of homoarginine for measuring true ileal digestibility of amino acids in food protein. Amino Acids, 2015, 47, 1795-1803.	2.7	8

#	Article	IF	Citations
253	Analysis of l-homoarginine in biological samples by HPLC involving precolumn derivatization with o-phthalaldehyde and N-acetyl-l-cysteine. Amino Acids, 2015, 47, 2005-2014.	2.7	24
254	Dietary protein intake affects expression of genes for lipid metabolism in porcine skeletal muscle in a genotype-dependent manner. British Journal of Nutrition, 2015, 113, 1069-1077.	2.3	39
255	Dietary l-leucine supplementation enhances intestinal development in suckling piglets. Amino Acids, 2015, 47, 1517-1525.	2.7	69
256	Maternal l-glutamine supplementation prevents prenatal alcohol exposure-induced fetal growth restriction in an ovine model. Amino Acids, 2015, 47, 1183-1192.	2.7	22
257	Functional Roles of Arginine During the Peri-Implantation Period of Pregnancy. III. Arginine Stimulates Proliferation and Interferon Tau Production by Ovine Trophectoderm Cells via Nitric Oxide and Polyamine-TSC2-MTOR Signaling Pathways1. Biology of Reproduction, 2015, 92, 75.	2.7	46
258	Dietary supplementation with glutamate precursor Î±-ketoglutarate attenuates lipopolysaccharide-induced liver injury in young pigs. Amino Acids, 2015, 47, 1309-1318.	2.7	52
259	Safety of long-term dietary supplementation with l-arginine in rats. Amino Acids, 2015, 47, 1909-1920.	2.7	33
260	L-Tryptophan Activates Mammalian Target of Rapamycin and Enhances Expression of Tight Junction Proteins in Intestinal Porcine Epithelial Cells ,. Journal of Nutrition, 2015, 145, 1156-1162.	2.9	91
261	Lactosucrose attenuates intestinal inflammation by promoting Th2 cytokine production and enhancing CD86 expression in colitic rats. Bioscience, Biotechnology and Biochemistry, 2015, 79, 643-651.	1.3	14
262	Intimacy and a deadly feud: the interplay of autophagy and apoptosis mediated by amino acids. Amino Acids, 2015, 47, 2089-2099.	2.7	10
263	L-Glutamate Enhances Barrier and Antioxidative Functions in Intestinal Porcine Epithelial Cells,. Journal of Nutrition, 2015, 145, 2258-2264.	2.9	87
264	Homoarginine, arginine, and relatives: analysis, metabolism, transport, physiology, and pathology. Amino Acids, 2015, 47, 1697-1702.	2.7	73
265	Glutamine Enhances Tight Junction Protein Expression and Modulates Corticotropin-Releasing Factor Signaling in the Jejunum of Weanling Piglets ,. Journal of Nutrition, 2015, 145, 25-31.	2.9	134
266	l-Glutamine enhances enterocyte growth via activation of the mTOR signaling pathway independently of AMPK. Amino Acids, 2015, 47, 65-78.	2.7	57
267	Glutamine and intestinal barrier function. Amino Acids, 2015, 47, 2143-2154.	2.7	176
268	l-Glutamine deprivation induces autophagy and alters the mTOR and MAPK signaling pathways in porcine intestinal epithelial cells. Amino Acids, 2015, 47, 2185-2197.	2.7	47
269	Proteome Differences in Placenta and Endometrium between Normal and Intrauterine Growth Restricted Pig Fetuses. PLoS ONE, 2015, 10, e0142396.	2.5	41
270	Nutritional and regulatory roles of leucine in muscle growth and fat reduction. Frontiers in Bioscience - Landmark, 2015, 20, 796-813.	3.0	53

#	Article	IF	Citations
271	Endotoxemia and Glutamine. , 2015, , 125-139.		0
272	Chlorogenic Acid Decreases Intestinal Permeability and Increases Expression of Intestinal Tight Junction Proteins in Weaned Rats Challenged with LPS. PLoS ONE, 2014, 9, e97815.	2.5	91
273	Analysis of energy expenditure in diet-induced obese rats. Frontiers in Bioscience - Landmark, 2014, 19, 967.	3.0	28
274	Putrescine Stimulates the mTOR Signaling Pathway and Protein Synthesis in Porcine Trophectoderm Cells1. Biology of Reproduction, 2014, 91, 106.	2.7	66
275	Dietary Arginine Supplementation of Mice Alters the Microbial Population and Activates Intestinal Innate Immunity. Journal of Nutrition, 2014, 144, 988-995.	2.9	179
276	Linking our understanding of mammary gland metabolism to amino acid nutrition. Amino Acids, 2014, 46, 2447-2462.	2.7	54
277	Effects of dietary l-glutamine supplementation on specific and general defense responses in mice immunized with inactivated Pasteurella multocida vaccine. Amino Acids, 2014, 46, 2365-2375.	2.7	27
278	Downâ€regulation of placental mTOR, insulin/IGFâ€I signaling, and nutrient transporters in response to maternal nutrient restriction in the baboon. FASEB Journal, 2014, 28, 1294-1305.	0.5	109
279	Environmental factors affecting pregnancy: Endocrine disrupters, nutrients and metabolic pathways. Molecular and Cellular Endocrinology, 2014, 398, 53-68.	3.2	30
280	DietaryN-acetylcysteine supplementation alleviates liver injury in lipopolysaccharide-challenged piglets. British Journal of Nutrition, 2014, 111, 46-54.	2.3	51
281	Dietary supplementation with tributyrin alleviates intestinal injury in piglets challenged with intrarectal administration of acetic acid. British Journal of Nutrition, 2014, 111, 1748-1758.	2.3	62
282	Effects of L-proline on the Growth Performance, and Blood Parameters in Weaned Lipopolysaccharide (LPS)-challenged Pigs. Asian-Australasian Journal of Animal Sciences, 2014, 27, 1150-1156.	2.4	26
283	Therapeutic Effects of Glutamic Acid in Piglets Challenged with Deoxynivalenol. PLoS ONE, 2014, 9, e100591.	2.5	65
284	Serum Amino Acids Profile and the Beneficial Effects of L-Arginine or L-Glutamine Supplementation in Dextran Sulfate Sodium Colitis. PLoS ONE, 2014, 9, e88335.	2.5	128
285	Landâ€based production of animal protein: impacts, efficiency, and sustainability. Annals of the New York Academy of Sciences, 2014, 1328, 18-28.	3.8	50
286	Oral MSG administration alters hepatic expression of genes for lipid and nitrogen metabolism in suckling piglets. Amino Acids, 2014, 46, 245-250.	2.7	18
287	Dietary supplementation with l-arginine between days 14 and 25 of gestation enhances embryonic development and survival in gilts. Amino Acids, 2014, 46, 375-384.	2.7	77
288	Abomasal infusion of arginine stimulates SCD and C/EBPÃŸ gene expression, and decreases CPT1ÃŸ gene expression in bovine adipose tissue independent of conjugated linoleic acid. Amino Acids, 2014, 46, 353-366.	2.7	11

#	Article	IF	Citations
289	Analysis of polyamines in biological samples by HPLC involving pre-column derivatization with o-phthalaldehyde and N-acetyl-l-cysteine. Amino Acids, 2014, 46, 1557-1564.	2.7	53
290	Amino acid profiles in first trimester amniotic fluids of healthy bovine cloned pregnancies are similar to those of IVF pregnancies, but not nonviable cloned pregnancies. Theriogenology, 2014, 81, 225-229.	2.1	3
291	Functional Role of Arginine During the Peri-implantation Period of Pregnancy. II. Consequences of Loss of Function of Nitric Oxide Synthase NOS3 mRNA in Ovine Conceptus Trophectoderm1. Biology of Reproduction, 2014, 91, 59.	2.7	33
292	Production and supply of highâ€quality food protein for human consumption: sustainability, challenges, and innovations. Annals of the New York Academy of Sciences, 2014, 1321, 1-19.	3.8	184
293	Glycine Stimulates Protein Synthesis and Inhibits Oxidative Stress in Pig Small Intestinal Epithelial Cells. Journal of Nutrition, 2014, 144, 1540-1548.	2.9	125
294	Functional role of arginine during the periâ€implantation period of pregnancy. I. Consequences of loss of function of arginine transporter SLC7A1 mRNA in ovine conceptus trophectoderm. FASEB Journal, 2014, 28, 2852-2863.	0.5	63
295	Dietary requirements of synthesizable amino acids by animals: a paradigm shift in protein nutrition. Journal of Animal Science and Biotechnology, 2014, 5, 34.	5.3	226
296	Rapid publication-ready MS-Word tables for one-way ANOVA. SpringerPlus, 2014, 3, 474.	1.2	133
297	Dietary arginine supplementation enhances intestinal expression of SLC7A7 and SLC7A1 and ameliorates growth depression in mycotoxin-challenged pigs. Amino Acids, 2014, 46, 883-892.	2.7	113
298	Improving amino acid nutrition to prevent intrauterine growth restriction in mammals. Amino Acids, 2014, 46, 1605-1623.	2.7	80
299	Effects of l-glutamine supplementation on maternal and fetal hemodynamics in gestating ewes exposed to alcohol. Amino Acids, 2014, 46, 1981-1996.	2.7	18
300	Glycine is a nutritionally essential amino acid for maximal growth of milk-fed young pigs. Amino Acids, 2014, 46, 2037-2045.	2.7	113
301	Expression of threonine-biosynthetic genes in mammalian cells and transgenic mice. Amino Acids, 2014, 46, 2177-2188.	2.7	4
302	Amino Acid Nutrition in Animals: Protein Synthesis and Beyond. Annual Review of Animal Biosciences, 2014, 2, 387-417.	7.4	391
303	Arginine Decarboxylase and Agmatinase: An Alternative Pathway for De Novo Biosynthesis of Polyamines for Development of Mammalian Conceptuses1. Biology of Reproduction, 2014, 90, 84.	2.7	89
304	Dietary l-glutamine supplementation modulates microbial community and activates innate immunity in the mouse intestine. Amino Acids, 2014, 46, 2403-2413.	2.7	98
305	Metabolomic analysis of amino acid and fat metabolism in rats with l-tryptophan supplementation. Amino Acids, 2014, 46, 2681-2691.	2.7	43
306	Interactive effects of in vitro binge-like alcohol and ATP on umbilical endothelial nitric oxide synthase post-translational modifications and redox modulation. Reproductive Toxicology, 2014, 43, 94-101.	2.9	5

#	Article	IF	Citations
307	Metabolomic analysis of amino acid and energy metabolism in rats supplemented with chlorogenic acid. Amino Acids, 2014, 46, 2219-2229.	2.7	30
308	Temporal proteomic analysis reveals defects in small-intestinal development of porcine fetuses with intrauterine growth restriction. Journal of Nutritional Biochemistry, 2014, 25, 785-795.	4.2	47
309	Analysis of amino acid composition in proteins of animal tissues and foods as pre-column o-phthaldialdehyde derivatives by HPLC with fluorescence detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 964, 116-127.	2.3	181
310	Effects of systemic progesterone during the early luteal phase on the availabilities of amino acids and glucose in the bovine uterine lumen. Reproduction, Fertility and Development, 2014, 26, 282.	0.4	17
311	Quantitative analysis of transcriptional responses of the porcine small and large intestines to lipopolysaccharide challenge (LB745). FASEB Journal, 2014, 28, LB745.	0.5	0
312	N-acetylcysteine reduces inflammation in the small intestine by regulating redox, EGF and TLR4 signaling. Amino Acids, 2013, 45, 513-522.	2.7	96
313	Biochemical and physiological bases for utilization of dietary amino acids by young Pigs. Journal of Animal Science and Biotechnology, 2013, 4, 7.	5.3	114
314	Dietary l-glutamine supplementation increases Pasteurella multocida burden and the expression of its major virulence factors in mice. Amino Acids, 2013, 45, 947-955.	2.7	44
315	Dietary l-proline supplementation confers immunostimulatory effects on inactivated Pasteurella multocida vaccine immunized mice. Amino Acids, 2013, 45, 555-561.	2.7	43
316	Acute alcohol exposure, acidemia or glutamine administration impacts amino acid homeostasis in ovine maternal and fetal plasma. Amino Acids, 2013, 45, 543-554.	2.7	29
317	l-Glutamine regulates amino acid utilization by intestinal bacteria. Amino Acids, 2013, 45, 501-512.	2.7	103
318	Arginine nutrition and fetal brown adipose tissue development in nutrient-restricted sheep. Amino Acids, 2013, 45, 489-499.	2.7	91
319	Dietary l-glutamine supplementation improves pregnancy outcome in mice infected with type-2 porcine circovirus. Amino Acids, 2013, 45, 479-488.	2.7	71
320	Protective effects of N-acetylcysteine on acetic acid-induced colitis in a porcine model. BMC Gastroenterology, 2013, 13, 133.	2.0	48
321	Changes of hippocampal beta-alanine and citrulline levels are paralleling early and late phase of retrieval in the Morris Water Maze. Behavioural Brain Research, 2013, 249, 104-108.	2.2	21
322	Arginine, Leucine, and Glutamine Stimulate Proliferation of Porcine Trophectoderm Cells Through the MTOR-RPS6K-RPS6-EIF4EBP1 Signal Transduction Pathway1. Biology of Reproduction, 2013, 88, 113.	2.7	79
323	Intrauterine growth restriction alters the hepatic proteome in fetal pigs. Journal of Nutritional Biochemistry, 2013, 24, 954-959.	4.2	49
324	Arginine enhances embryo implantation in rats through PI3K/PKB/mTOR/NO signaling pathway during early pregnancy. Reproduction, 2013, 145, 1-7.	2.6	108

#	Article	IF	Citations
325	Dietary supplementation with monosodium glutamate is safe and improves growth performance in postweaning pigs. Amino Acids, 2013, 44, 911-923.	2.7	132
326	Nitric oxide and energy metabolism in mammals. BioFactors, 2013, 39, 383-391.	5.4	106
327	Glycine metabolism in animals and humans: implications for nutrition and health. Amino Acids, 2013, 45, 463-477.	2.7	513
328	Effects of dietary l-lysine intake on the intestinal mucosa and expression of CAT genes in weaned piglets. Amino Acids, 2013, 45, 383-391.	2.7	71
329	Hormonal regulation of leucine catabolism in mammary epithelial cells. Amino Acids, 2013, 45, 531-541.	2.7	20
330	Functional amino acids in nutrition and health. Amino Acids, 2013, 45, 407-411.	2.7	519
331	Dietary requirements of â€œnutritionally non-essential amino acidsâ€• by animals and humans. Amino Acids, 2013, 44, 1107-1113.	2.7	307
332	Impacts of arginine nutrition on embryonic and fetal development in mammals. Amino Acids, 2013, 45, 241-256.	2.7	233
333	Production of free glutamate in milk requires the leucine transporter LAT1. American Journal of Physiology - Cell Physiology, 2013, 305, C623-C631.	4.6	18
334	Metabolomic analysis of amino acid metabolism in colitic rats supplemented with lactosucrose. Amino Acids, 2013, 45, 877-887.	2.7	25
335	Oral administration of MSG increases expression of glutamate receptors and transporters in the gastrointestinal tract of young piglets. Amino Acids, 2013, 45, 1169-1177.	2.7	61
336	Supplementation with branched-chain amino acids to a low-protein diet regulates intestinal expression of amino acid and peptide transporters in weanling pigs. Amino Acids, 2013, 45, 1191-1205.	2.7	114
337	Nutrition and reproduction. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 385-391.	2.5	38
338	L-Arginine and L-Citrulline in Sports Nutrition and Health. , 2013, , 439-446.		2
339	Oral administration of interferon tau enhances oxidation of energy substrates and reduces adiposity in Zucker diabetic fatty rats. BioFactors, 2013, 39, 552-563.	5.4	29
340	Dietary arginine supplementation enhances immune responses to inactivatedPasteurella multocidavaccination in mice. British Journal of Nutrition, 2013, 109, 867-872.	2.3	38
341	Effect of 30Â% nutrient restriction in the first half of gestation on maternal and fetal baboon serum amino acid concentrations. British Journal of Nutrition, 2013, 109, 1382-1388.	2.3	28
342	Roles of heat-shock protein 70 in protecting against intestinal mucosal damage. Frontiers in Bioscience - Landmark, 2013, 18, 356.	3.0	21

#	Article	IF	Citations
343	Use of the Ussing chamber technique to study nutrient transport by epithelial tissues. Frontiers in Bioscience - Landmark, 2013, 18, 1266.	3.0	19
344	Developmental Amino Acid Metabolism in the Pig Small and Large Intestine Epithelial Cells. , 2013, , 59-74.		2
345	The Effect of Improved Juice Wastes Mixture (IJWM) for Corn Substitution on Broilersâ€™ Performance. International Journal of Poultry Science, 2013, 12, 102-106.	0.1	3
346	Terminal Digestion of Polypeptides and Amino Acid Absorption by the Pig Intestine Epithelial Cells During Development. , 2013, , 51-57.		1
347	Functional roles of fructose. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1619-28.	7.1	86
348	Regulation of brown adipose tissue development and white fat reduction by L-arginine. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 529-538.	2.5	63
349	LOC66273 Isoform 2, a Novel Protein Highly Expressed in White Adipose Tissue, Induces Adipogenesis in 3T3-L1 Cells. Journal of Nutrition, 2012, 142, 448-455.	2.9	22
350	Dietary Supplementation with the Probiotic Lactobacillus fermentum I5007 and the Antibiotic Aureomycin Differentially Affects the Small Intestinal Proteomes of Weanling Piglets3. Journal of Nutrition, 2012, 142, 7-13.	2.9	48
351	Metabolomic Analysis Reveals Differences in Umbilical Vein Plasma Metabolites between Normal and Growth-Restricted Fetal Pigs during Late Gestation. Journal of Nutrition, 2012, 142, 990-998.	2.9	90
352	Nutrition, Epigenetics, and Metabolic Syndrome. Antioxidants and Redox Signaling, 2012, 17, 282-301.	5.4	227
353	Select nutrients, progesterone, and interferon tau affect conceptus metabolism and development. Annals of the New York Academy of Sciences, 2012, 1271, 88-96.	3.8	36
354	Chemerin regulates proliferation and differentiation of myoblast cells via ERK1/2 and mTOR signaling pathways. Cytokine, 2012, 60, 646-652.	3.2	51
355	l-Arginine stimulates the mTOR signaling pathway and protein synthesis in porcine trophectoderm cells. Journal of Nutritional Biochemistry, 2012, 23, 1178-1183.	4.2	135
356	Dynamic changes in blood flow and oxygen consumption in the portal-drained viscera of growing pigs receiving acute administration of l-arginine. Amino Acids, 2012, 43, 2481-2489.	2.7	30
357	Regulation of leucine catabolism by metabolic fuels in mammary epithelial cells. Amino Acids, 2012, 43, 2179-2189.	2.7	41
358	Arginine nutrition and fetal brown adipose tissue development in diet-induced obese sheep. Amino Acids, 2012, 43, 1593-1603.	2.7	68
359	Lipid metabolism in pigs fed supplemental conjugated linoleic acid and/or dietary arginine. Amino Acids, 2012, 43, 1713-1726.	2.7	35
360	Uterine biology in pigs and sheep. Journal of Animal Science and Biotechnology, 2012, 3, 23.	5.3	101

#	Article	IF	Citations
361	N-Carbamylglutamate Enhances Pregnancy Outcome in Rats through Activation of the PI3K/PKB/mTOR Signaling Pathway. PLoS ONE, 2012, 7, e41192.	2.5	58
362	Select Nutrients in the Uterine Lumen of Sheep and Pigs Affect Conceptus Development. Journal of Reproduction and Development, 2012, 58, 180-188.	1.4	52
363	Regulatory roles for L-arginine in reducing white adipose tissue. Frontiers in Bioscience - Landmark, 2012, 17, 2237.	3.0	77
364	Protective effects of N-acetylcysteine on intestinal functions of piglets challenged with lipopolysaccharide. Amino Acids, 2012, 43, 1233-1242.	2.7	134
365	Metabolism of select amino acids in bacteria from the pig small intestine. Amino Acids, 2012, 42, 1597-1608.	2.7	111
366	Comparisons of treatment means when factors do not interact in two-factorial studies. Amino Acids, 2012, 42, 2031-2035.	2.7	164
367	Effect of dietary arginine supplementation on reproductive performance of mice with porcine circovirus type 2 infection. Amino Acids, 2012, 42, 2089-2094.	2.7	112
368	Dietary l-arginine supplementation enhances placental growth and reproductive performance in sows. Amino Acids, 2012, 42, 2207-2214.	2.7	116
369	Alpha-ketoglutarate inhibits glutamine degradation and enhances protein synthesis in intestinal porcine epithelial cells. Amino Acids, 2012, 42, 2491-2500.	2.7	145
370	Regulatory role for l-arginine in the utilization of amino acids by pig small-intestinal bacteria. Amino Acids, 2012, 43, 233-244.	2.7	72
371	Comparison of serum metabolite compositions between obese and lean growing pigs using an NMR-based metabonomic approach. Journal of Nutritional Biochemistry, 2012, 23, 133-139.	4.2	114
372	Regulation of protein turnover by l-glutamine in porcine intestinal epithelial cells. Journal of Nutritional Biochemistry, 2012, 23, 1012-1017.	4.2	66
373	Mechanistic mammalian target of rapamycin (MTOR) cell signaling: Effects of select nutrients and secreted phosphoprotein 1 on development of mammalian conceptuses. Molecular and Cellular Endocrinology, 2012, 354, 22-33.	3.2	53
374	Biological Mechanisms for Nutritional Regulation of Maternal Health and Fetal Development. Paediatric and Perinatal Epidemiology, 2012, 26, 4-26.	1.7	197
375	Nutritional and regulatory role of branched-chain amino acids in lactation. Frontiers in Bioscience - Landmark, 2012, 17, 2725.	3.0	62
376	Maternal protein restriction regulates IGF2 system in placental labyrinth. Frontiers in Bioscience - Elite, 2012, E4, 1434.	1.8	24
377	Effect of Movement Training on the Amino Acids Distribution and Intestines Morphosis in Rats. Journal of Animal and Veterinary Advances, 2012, 11, 3000-3007.	0.1	1
378	Improving the Nutrient Quality of Juice Wastes Mixture Through Fermentation by Using Trichodherma viride for Poultry Diet. Pakistan Journal of Nutrition, 2012, 11, 203-207.	0.2	0

#	Article	IF	Citations
379	Dietary Supplementation with <scp>l</scp>-Arginine Partially Counteracts Serum Metabonome Induced by Weaning Stress in Piglets. Journal of Proteome Research, 2011, 10, 5214-5221.	3.7	76
380	Select Nutrients in the Ovine Uterine Lumen. IX. Differential Effects of Arginine, Leucine, Glutamine, and Glucose on Interferon Tau, Ornithine Decarboxylase, and Nitric Oxide Synthase in the Ovine Conceptus1. Biology of Reproduction, 2011, 84, 1139-1147.	2.7	59
381	Regulation of protein expression by L-arginine in endothelial cells. Frontiers in Bioscience - Scholar, 2011, S3, 655-661.	2.1	6
382	Tryptophan metabolism in animals important roles in nutrition and health. Frontiers in Bioscience - Scholar, 2011, S3, 286-297.	2.1	79
383	Roles of phytochemicals in amino acid nutrition. Frontiers in Bioscience - Scholar, 2011, S3, 372-384.	2.1	22
384	Alpha-Ketoglutarate and intestinal function. Frontiers in Bioscience - Landmark, 2011, 16, 1186.	3.0	82
385	Brown adipose tissue growth and development: significance and nutritional regulation. Frontiers in Bioscience - Landmark, 2011, 16, 1589.	3.0	45
386	Amino acid metabolism in intestinal bacteria: links between gut ecology and host health. Frontiers in Bioscience - Landmark, 2011, 16, 1768.	3.0	434
387	Obesity in pregnancy problems and potential solutions. Frontiers in Bioscience - Elite, 2011, E3, 442-452.	1.8	26
388	Metabonomics and its role in amino acid nutrition research. Frontiers in Bioscience - Landmark, 2011, 16, 2451.	3.0	27
389	Proline and hydroxyproline metabolism: implications for animal and human nutrition. Amino Acids, 2011, 40, 1053-1063.	2.7	512
390	Composition of amino acids in feed ingredients for animal diets. Amino Acids, 2011, 40, 1159-1168.	2.7	224
391	Reduced expression of intestinal N-acetylglutamate synthase in suckling piglets: a novel molecular mechanism for arginine as a nutritionally essential amino acid for neonates. Amino Acids, 2011, 40, 1513-1522.	2.7	48
392	Leucine nutrition in animals and humans: mTOR signaling and beyond. Amino Acids, 2011, 41, 1185-1193.	2.7	209
393	Dietary l-arginine supplementation differentially regulates expression of lipid-metabolic genes in porcine adipose tissue and skeletal muscle. Journal of Nutritional Biochemistry, 2011, 22, 441-445.	4.2	160
394	Amino Acids: Utilization, Gene Expression, and Cell Signaling. , 2011, , 17-19.		0
395	Select Nutrients in the Ovine Uterine Lumen. VII. Effects of Arginine, Leucine, Glutamine, and Glucose on Trophectoderm Cell Signaling, Proliferation, and Migration1. Biology of Reproduction, 2011, 84, 62-69.	2.7	91
396	Uterine Histotroph and Conceptus Development: Select Nutrients and Secreted Phosphoprotein 1 Affect Mechanistic Target of Rapamycin Cell Signaling in Ewes1. Biology of Reproduction, 2011, 85, 1094-1107.	2.7	81

#	Article	IF	Citations
397	Dietary<scp>l</scp>-arginine supplementation enhances intestinal development and expression of vascular endothelial growth factor in weanling piglets. British Journal of Nutrition, 2011, 105, 703-709.	2.3	86
398	Select Nutrients in the Ovine Uterine Lumen. VIII. Arginine Stimulates Proliferation of Ovine Trophectoderm Cells Through MTOR-RPS6K-RPS6 Signaling Cascade and Synthesis of Nitric Oxide and Polyamines1. Biology of Reproduction, 2011, 84, 70-78.	2.7	72
399	Tetrahydrobiopterin. Hypertension, 2011, 58, 145-147.	2.7	5
400	Protein. Advances in Nutrition, 2011, 2, 62-63.	6.4	4
401	Parenteral Administration of L-Arginine Enhances Fetal Survival and Growth in Sheep Carrying Multiple Fetuses1â€“3. Journal of Nutrition, 2011, 141, 849-855.	2.9	95
402	The Role of Arginine for Treating Obese Youth. , 2011, , 433-441.		0
403	Effects of Î±-ketoglutarate on energy status in the intestinal mucosa of weaned piglets chronically challenged with lipopolysaccharide. British Journal of Nutrition, 2011, 106, 357-363.	2.3	79
404	TRIENNIAL GROWTH SYMPOSIUM: Important roles for L-glutamine in swine nutrition and production1,2. Journal of Animal Science, 2011, 89, 2017-2030.	0.5	191
405	Regulation of protein metabolism by glutamine: implications for nutrition and health. Frontiers in Bioscience - Landmark, 2011, 16, 578.	3.0	75
406	Functional Amino Acids. , 2011, , 463-465.		0
407	Statistics and bioinformatics in nutritional sciences: analysis of complex data in the era of systems biologyâ˜†. Journal of Nutritional Biochemistry, 2010, 21, 561-572.	4.2	87
408	l-Arginine stimulates proliferation and prevents endotoxin-induced death of intestinal cells. Amino Acids, 2010, 38, 1227-1235.	2.7	184
409	Dietary Î±-ketoglutarate supplementation ameliorates intestinal injury in lipopolysaccharide-challenged piglets. Amino Acids, 2010, 39, 555-564.	2.7	120
410	Glycine oxidation and conversion into amino acids in Saccharomyces cerevisiae and Candida albicans. Amino Acids, 2010, 39, 605-608.	2.7	14
411	Dietary supplementation with l-arginine or N-carbamylglutamate enhances intestinal growth and heat shock protein-70 expression in weanling pigs fed a corn- and soybean meal-based diet. Amino Acids, 2010, 39, 831-839.	2.7	152
412	Utilization of amino acids by bacteria from the pig small intestine. Amino Acids, 2010, 39, 1201-1215.	2.7	198
413	Amino acid metabolism in the portal-drained viscera of young pigs: effects of dietary supplementation with chitosan and pea hull. Amino Acids, 2010, 39, 1581-1587.	2.7	56
414	Beneficial effects of l-arginine on reducing obesity: potential mechanisms and important implications for human health. Amino Acids, 2010, 39, 349-357.	2.7	225

#	Article	IF	Citations
415	Supplementing l-leucine to a low-protein diet increases tissue protein synthesis in weanling pigs. Amino Acids, 2010, 39, 1477-1486.	2.7	166
416	Decreased Arteriolar Tetrahydrobiopterin is Linked to Superoxide Generation from Nitric Oxide Synthase in Mice Fed High Salt. Microcirculation, 2010, 17, 147-157.	1.8	29
417	Optimal Dietary True Ileal Digestible Threonine for Supporting the Mucosal Barrier in Small Intestine of Weanling Pigs. Journal of Nutrition, 2010, 140, 981-986.	2.9	66
418	Parenteral Administration of L-Arginine Prevents Fetal Growth Restriction in Undernourished Ewes ,. Journal of Nutrition, 2010, 140, 1242-1248.	2.9	113
419	Sildenafil Citrate Treatment Enhances Amino Acid Availability in the Conceptus and Fetal Growth in an Ovine Model of Intrauterine Growth Restriction. Journal of Nutrition, 2010, 140, 251-258.	2.9	74
420	Dietary Supplementation with 0.8% L-Arginine between Days 0 and 25 of Gestation Reduces Litter Size in Gilts. Journal of Nutrition, 2010, 140, 1111-1116.	2.9	73
421	Select Nutrients and Their Associated Transporters Are Increased in the Ovine Uterus Following Early Progesterone Administration1. Biology of Reproduction, 2010, 82, 224-231.	2.7	46
422	Arginine-induced stimulation of protein synthesis and survival in IPEC-J2 cells is mediated by mTOR but not nitric oxide. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E899-E909.	3.5	67
423	Functional Amino Acids in Growth, Reproduction, and Health. Advances in Nutrition, 2010, 1, 31-37.	6.4	549
424	Novel pathways for implantation and establishment and maintenance of pregnancy in mammals. Molecular Human Reproduction, 2010, 16, 135-152.	2.8	295
425	Temporal Proteomic Analysis Reveals Continuous Impairment of Intestinal Development in Neonatal Piglets with Intrauterine Growth Restriction. Journal of Proteome Research, 2010, 9, 924-935.	3.7	108
426	Dietary Lâ€arginine supplementation can increase expression of vascular endothelial growth factor (VEGF) in earlyâ€weaned pigs. FASEB Journal, 2010, 24, 102.4.	0.5	0
427	Lactating Porcine Mammary Tissue Catabolizes Branched-Chain Amino Acids for Glutamine and Aspartate Synthesis. Journal of Nutrition, 2009, 139, 1502-1509.	2.9	77
428	Select Nutrients in the Ovine Uterine Lumen. V. Nitric Oxide Synthase, GTP Cyclohydrolase, and Ornithine Decarboxylase in Ovine Uteri and Peri-Implantation Conceptuses1. Biology of Reproduction, 2009, 81, 67-76.	2.7	47
429	Intravenous Administration of L-Citrulline to Pregnant Ewes Is More Effective Than L-Arginine for Increasing Arginine Availability in the Fetus. Journal of Nutrition, 2009, 139, 660-665.	2.9	65
430	Select Nutrients in the Ovine Uterine Lumen. IV. Expression of Neutral and Acidic Amino Acid Transporters in Ovine Uteri and Peri-Implantation Conceptuses1. Biology of Reproduction, 2009, 80, 1196-1208.	2.7	62
431	Intestinal Nitrogen Recycling and Utilization in Health and Disease. Journal of Nutrition, 2009, 139, 821-825.	2.9	140
432	Dietary Supplementation of L-Arginine and Conjugated Linoleic Acid Reduces Retroperitoneal Fat Mass and Increases Lean Body Mass in Rats ,. Journal of Nutrition, 2009, 139, 1279-1285.	2.9	31

#	Article	IF	Citations
433	Select Nutrients in the Ovine Uterine Lumen. VI. Expression of FK506-Binding Protein 12-Rapamycin Complex-Associated Protein 1 (FRAP1) and Regulators and Effectors of mTORC1 and mTORC2 Complexes in Ovine Uteri and Conceptuses1. Biology of Reproduction, 2009, 81, 87-100.	2.7	35
434	Select Nutrients in the Ovine Uterine Lumen. II. Glucose Transporters in the Uterus and Peri-Implantation Conceptuses1. Biology of Reproduction, 2009, 80, 94-104.	2.7	101
435	Select Nutrients in the Ovine Uterine Lumen. III. Cationic Amino Acid Transporters in the Ovine Uterus and Peri-Implantation Conceptuses1. Biology of Reproduction, 2009, 80, 602-609.	2.7	92
436	Select Nutrients in the Ovine Uterine Lumen. I. Amino Acids, Glucose, and Ions in Uterine Lumenal Flushings of Cyclic and Pregnant Ewes1. Biology of Reproduction, 2009, 80, 86-93.	2.7	184
437	Dietary l-arginine supplementation increases muscle gain and reduces body fat mass in growing-finishing pigs. Amino Acids, 2009, 37, 169-175.	2.7	275
438	Regulatory role for amino acids in mammary gland growth and milk synthesis. Amino Acids, 2009, 37, 89-95.	2.7	137
439	Dietary l-arginine supplementation enhances the immune status in early-weaned piglets. Amino Acids, 2009, 37, 323-331.	2.7	151
440	New developments in fish amino acid nutrition: towards functional and environmentally oriented aquafeeds. Amino Acids, 2009, 37, 43-53.	2.7	665
441	Dietary supplementation with Chinese herbal powder enhances ileal digestibilities and serum concentrations of amino acids in young pigs. Amino Acids, 2009, 37, 573-582.	2.7	57
442	Metabolomic analysis of the response of growing pigs to dietary l-arginine supplementation. Amino Acids, 2009, 37, 199-208.	2.7	158
443	Emerging technologies for amino acid nutrition research in the post-genome era. Amino Acids, 2009, 37, 177-186.	2.7	43
444	Dietary supplementation with cholesterol and docosahexaenoic acid affects concentrations of amino acids in tissues of young pigs. Amino Acids, 2009, 37, 709-716.	2.7	57
445	Arginine metabolism and nutrition in growth, health and disease. Amino Acids, 2009, 37, 153-168.	2.7	1,009
446	Glutamine, arginine, and leucine signaling in the intestine. Amino Acids, 2009, 37, 111-122.	2.7	288
447	Proteomic analysis reveals altered expression of proteins related to glutathione metabolism and apoptosis in the small intestine of zinc oxide-supplemented piglets. Amino Acids, 2009, 37, 209-218.	2.7	94
448	l-Glutamine or l-alanyl-l-glutamine prevents oxidant- or endotoxin-induced death of neonatal enterocytes. Amino Acids, 2009, 37, 131-142.	2.7	158
449	High fat feeding and dietary l-arginine supplementation differentially regulate gene expression in rat white adipose tissue. Amino Acids, 2009, 37, 187-198.	2.7	129
450	Amino acids and gaseous signaling. Amino Acids, 2009, 37, 65-78.	2.7	125

#	Article	IF	Citations
451	Catabolism of nutritionally essential amino acids in developing porcine enterocytes. Amino Acids, 2009, 37, 143-152.	2.7	117
452	Amino acids: metabolism, functions, and nutrition. Amino Acids, 2009, 37, 1-17.	2.7	2,007
453	Dietary supplementation with zinc oxide stimulates ghrelin secretion from the stomach of young pigs. Journal of Nutritional Biochemistry, 2009, 20, 783-790.	4.2	59
454	Equine placenta expresses glutamine synthetase. Veterinary Research Communications, 2009, 33, 175-182.	1.6	12
455	Effects of ageing and exercise training on eNOS uncoupling in skeletal muscle resistance arterioles. Journal of Physiology, 2009, 587, 3885-3897.	2.9	131
456	Impaired translation initiation activation and reduced protein synthesis in weaned piglets fed a low-protein diet. Journal of Nutritional Biochemistry, 2009, 20, 544-552.	4.2	104
457	Nitric oxide and vascular insulin resistance. BioFactors, 2009, 35, 21-27.	5.4	149
458	Dietary L-Arginine Supplementation Reduces White Fat Gain and Enhances Skeletal Muscle and Brown Fat Masses in Diet-Induced Obese Rats. Journal of Nutrition, 2009, 139, 230-237.	2.9	241
459	Protein digestibility of porcine colostrum by neonatal pigs. Livestock Science, 2009, 121, 182-186.	1.6	21
460	Comparative aspects of implantation. Reproduction, 2009, 138, 195-209.	2.6	309
461	Regulation of ornithine aminotransferase gene expression and activity by all-transretinoic acid in Caco-2 intestinal epithelial cells. Journal of Nutritional Biochemistry, 2008, 19, 674-681.	4.2	27
462	Proline metabolism in the conceptus: implications for fetal growth and development. Amino Acids, 2008, 35, 691-702.	2.7	171
463	Chronic binge ethanol-mediated acidemia reduces availability of glutamine and related amino acids in maternal plasma of pregnant sheep. Alcohol, 2008, 42, 657-666.	1.7	19
464	Ageing diminishes endotheliumâ€dependent vasodilatation and tetrahydrobiopterin content in rat skeletal muscle arterioles. Journal of Physiology, 2008, 586, 1161-1168.	2.9	133
465	Interferons and progesterone for establishment and maintenance of pregnancy: interactions among novel cell signaling pathways. Reproductive Biology, 2008, 8, 179-211.	1.9	181
466	Analysis of Citrulline, Arginine, and Methylarginines Using Highâ€Performance Liquid Chromatography. Methods in Enzymology, 2008, 440, 177-189.	1.0	121
467	Arginase blockade protects against hepatic damage in warm ischemia-reperfusion. Nitric Oxide - Biology and Chemistry, 2008, 19, 29-35.	2.7	47
468	Dietary supplementation with cholesterol and docosahexaenoic acid increases the activity of the arginine-nitric oxide pathway in tissues of young pigs. Nitric Oxide - Biology and Chemistry, 2008, 19, 259-265.	2.7	27

#	Article	IF	Citations
469	IL-4 and IL-13 upregulate ornithine decarboxylase expression by PI3K and MAP kinase pathways in vascular smooth muscle cells. American Journal of Physiology - Cell Physiology, 2008, 294, C1198-C1205.	4.6	24
470	Insulin-Like Growth Factor II Activates Phosphatidylinositol 3-Kinase-Protooncogenic Protein Kinase 1 and Mitogen-Activated Protein Kinase Cell Signaling Pathways, and Stimulates Migration of Ovine Trophectoderm Cells. Endocrinology, 2008, 149, 3085-3094.	2.8	63
471	Insulin Signaling in Skeletal Muscle and Liver of Neonatal Pigs During Endotoxemia. Pediatric Research, 2008, 64, 505-510.	2.3	15
472	Dietary Arginine Supplementation Increases mTOR Signaling Activity in Skeletal Muscle of Neonatal Pigs ,. Journal of Nutrition, 2008, 138, 867-872.	2.9	305
473	Dietary Arginine Supplementation during Early Pregnancy Enhances Embryonic Survival in Rats. Journal of Nutrition, 2008, 138, 1421-1425.	2.9	115
474	Arginine Stimulates cdx2-Transformed Intestinal Epithelial Cell Migration via a Mechanism Requiring Both Nitric Oxide and Phosphorylation of p70 S6 Kinase. Journal of Nutrition, 2008, 138, 1652-1657.	2.9	73
475	Intrauterine Growth Restriction Affects the Proteomes of the Small Intestine, Liver, and Skeletal Muscle in Newborn Pigs. Journal of Nutrition, 2008, 138, 60-66.	2.9	262
476	Gene Expression Is Altered in Piglet Small Intestine by Weaning and Dietary Glutamine Supplementation3. Journal of Nutrition, 2008, 138, 1025-1032.	2.9	299
477	Effect of different leucine supplementation in low protein diet on Protein Synthesis and Activation of Translation Initiation Factors of Weaned Piglets. FASEB Journal, 2008, 22, 877.12.	0.5	0
478	Estimating optimal true digestible Ca: P ratio for 20â€50Kg growing pigs fed a cornâ€roughâ€soybean based meals. FASEB Journal, 2008, 22, 1116.6.	0.5	0
479	Liver I/R injury is improved by the arginase inhibitor, NÏ‰-hydroxy-nor-l-arginine (nor-NOHA). American Journal of Physiology - Renal Physiology, 2007, 292, G512-G517.	3.4	51
480	Intestinal ribosomal p70S6Ksignaling is increased in piglet rotavirus enteritis. American Journal of Physiology - Renal Physiology, 2007, 292, G913-G922.	3.4	29
481	Nitric Oxide in Physiologic Concentrations Targets the Translational Machinery to Increase the Proliferation of Human Breast Cancer Cells: Involvement of Mammalian Target of Rapamycin/eIF4E Pathway. Cancer Research, 2007, 67, 289-299.	0.9	116
482	Functional Amino Acids and Fatty Acids for Enhancing Production Performance of Sows and Piglets. Asian-Australasian Journal of Animal Sciences, 2007, 20, 295-306.	2.4	143
483	A Deficiency or Excess of Dietary Threonine Reduces Protein Synthesis in Jejunum and Skeletal Muscle of Young Pigs. Journal of Nutrition, 2007, 137, 1442-1446.	2.9	110
484	Dietary l-Arginine Supplementation Enhances the Reproductive Performance of Gilts. Journal of Nutrition, 2007, 137, 652-656.	2.9	241
485	Pharmacokinetics and Safety of Arginine Supplementation in Animals. Journal of Nutrition, 2007, 137, 1673S-1680S.	2.9	145
486	Oral N-Carbamylglutamate Supplementation Increases Protein Synthesis in Skeletal Muscle of Piglets1. Journal of Nutrition, 2007, 137, 315-319.	2.9	102

#	Article	IF	Citations
487	Dietary Supplementation with Watermelon Pomace Juice Enhances Arginine Availability and Ameliorates the Metabolic Syndrome in Zucker Diabetic Fatty Rats ,. Journal of Nutrition, 2007, 137, 2680-2685.	2.9	175
488	In vitro oxidation of essential amino acids by jejunal mucosal cells of growing pigs. Livestock Science, 2007, 109, 19-23.	1.6	56
489	Comparison of the regression analysis technique and the substitution method for the determination of true phosphorus digestibility and faecal endogenous phosphorus losses associated with feed ingredients for growing pigs. Livestock Science, 2007, 109, 251-254.	1.6	17
490	Important roles for the arginine family of amino acids in swine nutrition and production. Livestock Science, 2007, 112, 8-22.	1.6	227
491	Amino acids and immune function. British Journal of Nutrition, 2007, 98, 237-252.	2.3	1,150
492	2â€DE and MS analysis of interactions between Lactobacillus fermentum I5007 and intestinal epithelial cells. Electrophoresis, 2007, 28, 4330-4339.	2.4	38
493	Dietary supplementation with zinc oxide decreases expression of the stem cell factor in the small intestine of weanling pigs. Journal of Nutritional Biochemistry, 2007, 18, 820-826.	4.2	82
494	Analysis of nitrite and nitrate in biological samples using high-performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 851, 71-82.	2.3	136
495	Watermelon consumption increases plasma arginine concentrations in adults. Nutrition, 2007, 23, 261-266.	2.4	171
496	Dietary arginine supplementation reduces fat mass in dietâ€induced â€obese rats by improving glucose and fatty acid metabolism. FASEB Journal, 2007, 21, A328.	0.5	5
497	Dietary Supplementation with Acanthopanax senticosus Extract Modulates Cellular and Humoral Immunity in Weaned Piglets. Asian-Australasian Journal of Animal Sciences, 2007, 20, 1453-1461.	2.4	42
498	BOARD-INVITED REVIEW: Intrauterine growth retardation: Implications for the animal sciences1. Journal of Animal Science, 2006, 84, 2316-2337.	0.5	913
499	Proteomics and Its Role in Nutrition Research. Journal of Nutrition, 2006, 136, 1759-1762.	2.9	85
500	Evidence for altered placental blood flow and vascularity in compromised pregnancies. Journal of Physiology, 2006, 572, 51-58.	2.9	291
501	Statistical models in assessing fold change of gene expression in real-time RT-PCR experiments. Computational Biology and Chemistry, 2006, 30, 21-26.	2.3	63
502	Regulatory role for the argininea€"nitric oxide pathway in metabolism of energy substrates. Journal of Nutritional Biochemistry, 2006, 17, 571-588.	4.2	596
503	Postnatal changes in extracellular concentrations of free amino acids are associated with declining fractional protein synthesis rates in skeletal muscles of fed pigs. FASEB Journal, 2006, 20, A163.	0.5	1
504	Dietary Lâ€arginine supplementation affects immune status of pregnant gilts. FASEB Journal, 2006, 20, A424.	0.5	3

#	Article	IF	Citations
505	Dietary L-Arginine Supplementation Reduces Fat Mass in Zucker Diabetic Fatty Rats. Journal of Nutrition, 2005, 135, 714-721.	2.9	305
506	Mechanisms for Dietary Regulation of Nitric Oxide Synthesis in Mammals. Oxidative Stress and Disease, 2005, , .	0.3	0
507	Polyamine Synthesis from Proline in the Developing Porcine Placenta1. Biology of Reproduction, 2005, 72, 842-850.	2.7	139
508	Inadequate Intakes of Indispensable Amino Acids Among Homebound Older Adults. Journal of Nutrition in Gerontology and Geriatrics, 2005, 24, 85-99.	1.0	29
509	Glutamine metabolism in uricotelic species: variation in skeletal muscle glutamine synthetase, glutaminase, glutamine levels and rates of protein synthesis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 140, 607-614.	1.6	40
510	Maternal Nutrient Restriction Reduces Concentrations of Amino Acids and Polyamines in Ovine Maternal and Fetal Plasma and Fetal Fluids1. Biology of Reproduction, 2004, 71, 901-908.	2.7	134
511	Citrulline Can Preserve Proliferation and Prevent the Loss of CD3 Î¶ Chain Under Conditions of Low Arginine. Journal of Parenteral and Enteral Nutrition, 2004, 28, 423-430.	2.6	52
512	Linoleic acid-induced endothelial activation. Journal of Lipid Research, 2004, 45, 794-804.	4.2	47
513	GTP cyclohydrolase I gene transfer reverses tetrahydrobiopterin deficiency and increases nitric oxide synthesis in endothelial cells and isolated vessels from diabetic rats. FASEB Journal, 2004, 18, 1900-1902.	0.5	78
514	Regulation of Tetrahydrobiopterin Synthesis and Bioavailability in Endothelial Cells. Cell Biochemistry and Biophysics, 2004, 41, 415-434.	1.8	121
515	Glutamine Synthesis in the Developing Porcine Placenta1. Biology of Reproduction, 2004, 70, 1444-1451.	2.7	81
516	Plasmalemmal vacuolar H+-ATPase is decreased in microvascular endothelial cells from a diabetic model. Journal of Cellular Physiology, 2004, 201, 190-200.	4.1	28
517	Arginine deficiency in preterm infants: Biochemical mechanisms and nutritional implications. Journal of Nutritional Biochemistry, 2004, 15, 442-451.	4.2	191
518	Developmental Changes in Nitric Oxide Synthesis in the Ovine Placenta1. Biology of Reproduction, 2004, 70, 679-686.	2.7	67
519	Dietary Arginine Supplementation Enhances the Growth of Milk-Fed Young Pigs. Journal of Nutrition, 2004, 134, 625-630.	2.9	215
520	Dietary l-Arginine Supplementation Enhances Endothelial Nitric Oxide Synthesis in Streptozotocin-Induced Diabetic Rats. Journal of Nutrition, 2004, 134, 600-608.	2.9	119
521	Glutathione Metabolism and Its Implications for Health. Journal of Nutrition, 2004, 134, 489-492.	2.9	2,864
522	Maternal Nutrition and Fetal Development. Journal of Nutrition, 2004, 134, 2169-2172.	2.9	739

#	Article	IF	Citations
523	Arginine Nutrition in Neonatal Pigs. Journal of Nutrition, 2004, 134, 2783S-2790S.	2.9	223
524	Role of ephrin B2 in human retinal endothelial cell proliferation and migration. Cellular Signalling, 2003, 15, 1011-1017.	3.6	66
525	Developmental Changes of Amino Acids in Ovine Fetal Fluids1. Biology of Reproduction, 2003, 68, 1813-1820.	2.7	123
526	Serum citrulline correlates with enteral tolerance and bowel length in infants with short bowel syndrome. Gastroenterology, 2003, 124, A94.	1.3	2
527	Developmental Changes in Polyamine Levels and Synthesis in the Ovine Conceptus1. Biology of Reproduction, 2003, 69, 1626-1634.	2.7	91
528	Gene Expression and Activity of Enzymes in the Arginine Biosynthetic Pathway in Porcine Fetal Small Intestine. Pediatric Research, 2003, 53, 274-280.	2.3	26
529	Gene Expression and Activity of Enzymes in the Arginine Biosynthetic Pathway in Porcine Fetal Small Intestine. Pediatric Research, 2003, 53, 274-280.	2.3	10
530	Eph B4 Receptor Signaling Mediates Endothelial Cell Migration and Proliferation via the Phosphatidylinositol 3-Kinase Pathway. Journal of Biological Chemistry, 2002, 277, 43830-43835.	3.4	158
531	[24] Regulation of endothelial cell proliferation by nitric oxide. Methods in Enzymology, 2002, 352, 280-295.	1.0	55
532	REGULATION OFNITRICOXIDESYNTHESIS BYDIETARYFACTORS. Annual Review of Nutrition, 2002, 22, 61-86.	10.1	260
533	Nebivolol inhibits vascular smooth muscle cell proliferation by mechanisms involving nitric oxide but not cyclic GMP. Nitric Oxide - Biology and Chemistry, 2002, 7, 83-90.	2.7	37
534	The metabolic basis of arginine nutrition and pharmacotherapy. Biomedicine and Pharmacotherapy, 2002, 56, 427-438.	5.6	281
535	Somatotropin-Induced Amino Acid Conservation in Pigs Involves Differential Regulation of Liver and Gut Urea Cycle Enzyme Activity. Journal of Nutrition, 2002, 132, 59-67.	2.9	33
536	Activities of arginase I and II are limiting for endothelial cell proliferation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R64-R69.	1.8	94
537	Free radicals, antioxidants, and nutrition. Nutrition, 2002, 18, 872-879.	2.4	1,984
538	Amino acid concentrations in fluids from the bovine oviduct and uterus and in ksom-based culture media. Theriogenology, 2001, 55, 1907-1918.	2.1	61
539	Regulatory role of arginase I and II in nitric oxide, polyamine, and proline syntheses in endothelial cells. American Journal of Physiology - Endocrinology and Metabolism, 2001, 280, E75-E82.	3.5	302
540	Tetrahydrobiopterin levels regulate endothelial cell proliferation. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H482-H489.	3.2	45

#	Article	IF	Citations
541	Glutamine metabolism to glucosamine is necessary for glutamine inhibition of endothelial nitric oxide synthesis. Biochemical Journal, 2001, 353, 245.	3.7	71
542	Glutamine metabolism to glucosamine is necessary for glutamine inhibition of endothelial nitric oxide synthesis. Biochemical Journal, 2001, 353, 245-252.	3.7	97
543	Activation of caspase-3 activity and apoptosis in MDA-MB-468 cells by NÏ‰-hydroxy-L-arginine, an inhibitor of arginase, is not solely dependent on reduction in intracellular polyamines. Carcinogenesis, 2001, 22, 1863-1869.	2.8	30
544	Ornithine Aminotransferase Messenger RNA Expression and Enzymatic Activity in Fetal Porcine Intestine. Pediatric Research, 2001, 50, 104-109.	2.3	24
545	Impaired nitric oxide production in coronary endothelial cells of the spontaneously diabetic BB rat is due to tetrahydrobiopterin deficiency. Biochemical Journal, 2000, 349, 353.	3.7	118
546	Impaired nitric oxide production in coronary endothelial cells of the spontaneously diabetic BB rat is due to tetrahydrobiopterin deficiency. Biochemical Journal, 2000, 349, 353-356.	3.7	150
547	Arginine Nutrition and Cardiovascular Function. Journal of Nutrition, 2000, 130, 2626-2629.	2.9	225
548	Arginine nutrition in development, health and disease. Current Opinion in Clinical Nutrition and Metabolic Care, 2000, 3, 59-66.	2.5	151
549	Rapid determination of nitrite by reversed-phase high-performance liquid chromatography with fluorescence detection. Biomedical Applications, 2000, 746, 199-207.	1.7	137
550	Glutamine metabolism in endothelial cells: ornithine synthesis from glutamine via pyrroline-5-carboxylate synthase. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2000, 126, 115-123.	1.8	50
551	Arginase I: a limiting factor for nitric oxide and polyamine synthesis by activated macrophages?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R2237-R2242.	1.8	67
552	Postnatal changes of plasma amino acids in suckling pigs.. Journal of Animal Science, 2000, 78, 2369.	0.5	64
553	A cortisol surge mediates the enhanced polyamine synthesis in porcine enterocytes during weaning. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R554-R559.	1.8	37
554	A Cortisol Surge Mediates the Enhanced Expression of Pig Intestinal Pyrroline-5-Carboxylate Synthase during Weaning. Journal of Nutrition, 2000, 130, 1914-1919.	2.9	33
555	Enhanced intestinal synthesis of polyamines from proline in cortisol-treated piglets. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E395-E402.	3.5	73
556	Glucosamine Inhibits Inducible Nitric Oxide Synthesis. Biochemical and Biophysical Research Communications, 2000, 279, 234-239.	2.1	78
557	Reduced serum amino acid concentrations in infants with necrotizing enterocolitis. Journal of Pediatrics, 2000, 137, 785-793.	1.8	201
558	Lactate inhibits citrulline and arginine synthesis from proline in pig enterocytes. American Journal of Physiology - Renal Physiology, 1999, 276, G1079-G1086.	3.4	24

#	Article	IF	Citations
559	Glucocorticoids Mediate the Enhanced Expression of Intestinal Type II Arginase and Argininosuccinate Lyase in Postweaning Pigs. Journal of Nutrition, 1999, 129, 799-803.	2.9	28
560	Dietary Protein or Arginine Deficiency Impairs Constitutive and Inducible Nitric Oxide Synthesis by Young Rats. Journal of Nutrition, 1999, 129, 1347-1354.	2.9	116
561	Amino Acid Composition of the Fetal Pig. Journal of Nutrition, 1999, 129, 1031-1038.	2.9	141
562	Compartmentation and kinetics of urea cycle enzymes in porcine enterocytes. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 119, 527-537.	1.6	45
563	Distribution of phosphate-activated glutaminase isozymes in the chicken: absence from liver but presence of high activity in pectoralis muscle. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 120, 285-290.	1.6	10
564	Intestinal Mucosal Amino Acid Catabolism. Journal of Nutrition, 1998, 128, 1249-1252.	2.9	684
565	Maternal Dietary Protein Deficiency Decreases Amino Acid Concentrations in Fetal Plasma and Allantoic Fluid of Pigs. Journal of Nutrition, 1998, 128, 894-902.	2.9	79
566	Arginine metabolism: nitric oxide and beyond. Biochemical Journal, 1998, 336, 1-17.	3.7	2,379
567	Maternal Dietary Protein Deficiency Decreases Nitric Oxide Synthase and Ornithine Decarboxylase Activities in Placenta and Endometrium of Pigs During Early Gestation. Journal of Nutrition, 1998, 128, 2395-2402.	2.9	84
568	Energy Metabolism of Rat Colonocytes Changes during the Tumorigenic Process and Is Dependent on Diet and Carcinogen. Journal of Nutrition, 1998, 128, 1262-1269.	2.9	25
569	Endogenous Synthesis of Arginine Plays an Important Role in Maintaining Arginine Homeostasis in Postweaning Growing Pigs. Journal of Nutrition, 1997, 127, 2342-2349.	2.9	170
570	Glucocorticoids Play an Important Role in Mediating the Enhanced Metabolism of Arginine and Glutamine in Enterocytes of Postweaning Pigs. Journal of Nutrition, 1997, 127, 732-737.	2.9	37
571	An Important Role for Pentose Cycle in the Synthesis of Citrulline and Proline from Glutamine in Porcine Enterocytes. Archives of Biochemistry and Biophysics, 1996, 336, 224-230.	3.0	23
572	Unusual Abundance of Arginine and Ornithine in Porcine Allantoic Fluid1. Biology of Reproduction, 1996, 54, 1261-1265.	2.7	77
573	Dietary Glutamine Supplementation Prevents Jejunal Atrophy in Weaned Pigs. Journal of Nutrition, 1996, 126, 2578-2584.	2.9	261
574	Effects of concanavalin A and phorbol myristate acetate on glutamine metabolism and proliferation of porcine intestinal intraepithelial lymphocytes. Comparative Biochemistry and Physiology A, Comparative Physiology, 1996, 114, 363-368.	0.6	19
575	The Induction of Citrulline Synthesis from Glutamine in Enterocytes of Weaned Pigs Is Not Due Primarily to Age or Change in Diet1. Journal of Nutrition, 1995, 125, 2388-2393.	2.9	15
576	Nitric Oxide Synthesis and the Effect of Aminoguanidine and NG-monomethyl-L-Arginine on the Onset of Diabetes in the Spontaneously Diabetic BB Rat. Diabetes, 1995, 44, 360-364.	0.6	100

#	Article	IF	Citations
577	Regulation of glutamine and glucose metabolism by cell volume in lymphocytes and macrophages. Biochimica Et Biophysica Acta - General Subjects, 1995, 1243, 343-350.	2.4	30
578	Effect of HCO3â˜' on glutamine and glucose metabolism in lymphocytes. Metabolism: Clinical and Experimental, 1995, 44, 1247-1252.	3.4	3
579	Dietary Manganese Deficiency Decreases Rat Hepatic Arginase Activity. Journal of Nutrition, 1994, 124, 340-344.	2.9	43
580	The Uptake of Glutamine and Release of Arginine, Citruline and Proline by the Small Intestine of Developing Pigs ,. Journal of Nutrition, 1994, 124, 2437-2444.	2.9	108
581	Enhanced metabolism of glucose and glutamine in mesenteric lymph node lymphocytes from spontaneously diabetic BB rats. Canadian Journal of Physiology and Pharmacology, 1994, 72, 827-832.	1.4	9
582	Free and Protein-Bound Amino Acids in Sow's Colostrum and Milk. Journal of Nutrition, 1994, 124, 415-424.	2.9	217
583	Determination of proline by reversed-phase high-performance liquid chromatography with automated pre-column o-phthaldialdehyde derivatization. Journal of Chromatography A, 1993, 641, 168-175.	3.7	30
584	Enhanced glutamine and glucose metabolism in cultured rat splenocytes stimulated by phorbol myristate acetate plus ionomycin. Metabolism: Clinical and Experimental, 1992, 41, 982-988.	3.4	30
585	Glucose and glutamine metabolism in rat macrophages: enhanced glycolysis and unaltered glutaminolysis in spontaneously diabetic BB rats. Biochimica Et Biophysica Acta - General Subjects, 1991, 1115, 166-173.	2.4	28
586	Glutamine and glucose metabolism in thymocytes from normal and spontaneously diabetic BB rats. Biochemistry and Cell Biology, 1991, 69, 801-808.	2.0	8
587	Methionine transamination and glutamine transaminases in skeletal muscle. Biochemical Journal, 1989, 262, 690-691.	3.7	9
588	Principles of Animal Nutrition. , 0, , .		22