

Guoyao Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

575
papers

42,314
citations

102
h-index

184
g-index

596
ext. papers

48,587
ext. citations

3.9
avg, IF

8
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 575 | Microarray analysis reveals an important role for dietary L-arginine in regulating global gene expression in porcine placentae during early gestation.. <i>Frontiers in Bioscience</i> , 2022 , 27, 33 | | 2 |
| 574 | Amino Acids in Microbial Metabolism and Function. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 127-143 | 3.6 | 5 |
| 573 | Protein-Sourced Feedstuffs for Aquatic Animals in Nutrition Research and Aquaculture. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 237-261 | 3.6 | 12 |
| 572 | Hepatic Glucose Metabolism and Its Disorders in Fish. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 207-236 | 3.6 | 2 |
| 571 | Functional Molecules of Intestinal Mucosal Products and Peptones in Animal Nutrition and Health. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 263-277 | 3.6 | 4 |
| 570 | Nutrition and Metabolism: Foundations for Animal Growth, Development, Reproduction, and Health. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 1-24 | 3.6 | 18 |
| 569 | Nutritional and Physiological Regulation of Water Transport in the Conceptus. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 109-125 | 3.6 | 2 |
| 568 | Phosphate, Calcium, and Vitamin D: Key Regulators of Fetal and Placental Development in Mammals. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 77-107 | 3.6 | 1 |
| 567 | Insights into the Regulation of Implantation and Placentation in Humans, Rodents, Sheep, and Pigs. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 25-48 | 3.6 | 5 |
| 566 | L-Arginine Nutrition and Metabolism in Ruminants. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 177-206 | 3.6 | 2 |
| 565 | A Role for Fructose Metabolism in Development of Sheep and Pig Conceptuses. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1354, 49-62 | 3.6 | 1 |
| 564 | Oxidation of amino acids, glucose, and fatty acids as metabolic fuels in enterocytes of post-hatching developing chickens.. <i>Journal of Animal Science</i> , 2022 , | 0.7 | 2 |
| 563 | Oxidation of amino acids, glucose, and fatty acids as metabolic fuels in enterocytes of developing pigs.. <i>Amino Acids</i> , 2022 , 1 | 3.5 | 1 |
| 562 | Dietary supplementation with monosodium glutamate enhances milk production by lactating sows and the growth of suckling piglets.. <i>Amino Acids</i> , 2022 , | 3.5 | 2 |
| 561 | The "ideal protein" concept is not ideal in animal nutrition.. <i>Experimental Biology and Medicine</i> , 2022 , 15353702221082658 | 3.7 | 0 |
| 560 | Impact of probiotic <i>Limosilactobacillus reuteri</i> DSM 17938 on amino acid metabolism in the healthy newborn mouse.. <i>Amino Acids</i> , 2022 , 1 | 3.5 | 2 |
| 559 | Dietary supplementation with L-arginine between days 14 and 25 of gestation enhances NO and polyamine syntheses and the expression of angiogenic proteins in porcine placentae. <i>Amino Acids</i> , 2021 , 1 | 3.5 | 1 |

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| 558 | Important roles of amino acids in immune responses. <i>British Journal of Nutrition</i> , 2021 , 1-14 | 3.6 | 1 |
| 557 | Polyamine synthesis from arginine and proline in tissues of developing chickens. <i>Amino Acids</i> , 2021 , 53, 1739-1748 | 3.5 | 3 |
| 556 | Pre-implantation exogenous progesterone and pregnancy in sheep: I. polyamines, nutrient transport, and progestamedins. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 39 | 6 | 2 |
| 555 | Pre-implantation exogenous progesterone and pregnancy in sheep. II. Effects on fetal-placental development and nutrient transporters in late pregnancy. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 46 | 6 | 3 |
| 554 | Dietary Supplementation with Glycine Enhances Intestinal Mucosal Integrity and Ameliorates Inflammation in C57BL/6J Mice with High-Fat Diet-Induced Obesity. <i>Journal of Nutrition</i> , 2021 , 151, 1769-1778 | 4.1 | 6 |
| 553 | Dietary L-arginine supplementation during days 14-25 of gestation enhances aquaporin expression in the placenta and endometria of gestating gilts. <i>Amino Acids</i> , 2021 , 53, 1287-1295 | 3.5 | 4 |
| 552 | Cortisol enhances citrulline synthesis from proline in enterocytes of suckling piglets. <i>Amino Acids</i> , 2021 , 53, 1957-1966 | 3.5 | 11 |
| 551 | Use of alternative protein sources for fishmeal replacement in the diet of largemouth bass (<i>Micropterus salmoides</i>). Part I: effects of poultry by-product meal and soybean meal on growth, feed utilization, and health. <i>Amino Acids</i> , 2021 , 53, 33-47 | 3.5 | 18 |
| 550 | Amino Acids in Autophagy: Regulation and Function. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 51-66 | 3.6 | 4 |
| 549 | Amino Acid Nutrition for Optimum Growth, Development, Reproduction, and Health of Zoo Animals. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 233-253 | 3.6 | 8 |
| 548 | Dietary Intakes of Amino Acids and Other Nutrients by Adult Humans. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 211-227 | 3.6 | 3 |
| 547 | Amino Acids in the Nutrition, Metabolism, and Health of Domestic Cats. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 217-231 | 3.6 | 7 |
| 546 | Interorgan Metabolism of Amino Acids in Human Health and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 129-149 | 3.6 | 1 |
| 545 | Amino Acids in Endoplasmic Reticulum Stress and Redox Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 35-49 | 3.6 | 3 |
| 544 | Amino Acids in Swine Nutrition and Production. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 81-107 | 3.6 | 21 |
| 543 | One-Carbon Metabolism and Development of the Conceptus During Pregnancy: Lessons from Studies with Sheep and Pigs. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 1-15 | 3.6 | 10 |
| 542 | N-Acetylcysteine improves intestinal function and attenuates intestinal autophagy in piglets challenged with α -conglycinin. <i>Scientific Reports</i> , 2021 , 11, 1261 | 4.9 | 2 |
| 541 | Arginine, Agmatine, and Polyamines: Key Regulators of Conceptus Development in Mammals. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 85-105 | 3.6 | 5 |

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| 540 | Amino Acids in Cell Signaling: Regulation and Function. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 17-33 | 3.6 | 4 |
| 539 | Amino Acid Nutrition and Metabolism in Chickens. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 109-131 | 3.6 | 22 |
| 538 | Amino Acid Nutrition and Reproductive Performance in Ruminants. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 43-61 | 3.6 | 14 |
| 537 | Composition of Amino Acids in Foodstuffs for Humans and Animals. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 189-210 | 3.6 | 17 |
| 536 | Nutrition and Functions of Amino Acids in Aquatic Crustaceans. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 169-198 | 3.6 | 17 |
| 535 | Use of alternative protein sources for fishmeal replacement in the diet of largemouth bass (<i>Micropterus salmoides</i>). Part II: effects of supplementation with methionine or taurine on growth, feed utilization, and health. <i>Amino Acids</i> , 2021 , 53, 49-62 | 3.5 | 11 |
| 534 | Intrauterine growth restriction alters nutrient metabolism in the intestine of porcine offspring. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 15 | 6 | 3 |
| 533 | In vivo emergence of beige-like fat in chickens as physiological adaptation to cold environments. <i>Amino Acids</i> , 2021 , 53, 381-393 | 3.5 | 3 |
| 532 | Puerarin enhances intestinal function in piglets infected with porcine epidemic diarrhea virus. <i>Scientific Reports</i> , 2021 , 11, 6552 | 4.9 | 3 |
| 531 | Hydroxyproline in animal metabolism, nutrition, and cell signaling. <i>Amino Acids</i> , 2021 , 1 | 3.5 | 10 |
| 530 | Impact of gestational electronic cigarette vaping on amino acid signature profile in the pregnant mother and the fetus. <i>Metabolism Open</i> , 2021 , 11, 100107 | 2.8 | |
| 529 | Placental adaptation to maternal malnutrition. <i>Reproduction</i> , 2021 , 162, R73-R83 | 3.8 | 2 |
| 528 | Role of L-Arginine in Nitric Oxide Synthesis and Health in Humans. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 167-187 | 3.6 | 20 |
| 527 | Amino Acids and Their Metabolites for Improving Human Exercising Performance. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 151-166 | 3.6 | 4 |
| 526 | Oxidation of Energy Substrates in Tissues of Fish: Metabolic Significance and Implications for Gene Expression and Carcinogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 67-83 | 3.6 | 6 |
| 525 | Regulation of Gene Expression by Amino Acids in Animal Cells. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 1-15 | 3.6 | 3 |
| 524 | Cell-Specific Expression of Enzymes for Serine Biosynthesis and Glutaminolysis in Farm Animals. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 17-28 | 3.6 | 9 |
| 523 | Interorgan Metabolism, Nutritional Impacts, and Safety of Dietary L-Glutamate and L-Glutamine in Poultry. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1332, 107-128 | 3.6 | 6 |

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| 522 | Nutrition and Functions of Amino Acids in Fish. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1285, 133-168 | 3.6 | 18 |
| 521 | Organogenesis of Ileal Peyer's Patches Is Initiated Prenatally and Accelerated Postnatally With Comprehensive Proliferation of B Cells in Pigs. <i>Frontiers in Immunology</i> , 2020 , 11, 604674 | 8.4 | 5 |
| 520 | Maternal arginine supplementation enhances thermogenesis in the newborn lamb. <i>Journal of Animal Science</i> , 2020 , 98, | 0.7 | 5 |
| 519 | Nutrition and metabolism of glutamate and glutamine in fish. <i>Amino Acids</i> , 2020 , 52, 671-691 | 3.5 | 36 |
| 518 | Ruminal microbes of adult sheep do not degrade extracellular l-citrulline. <i>Journal of Animal Science</i> , 2020 , 98, | 0.7 | 8 |
| 517 | Dietary L-Tryptophan Regulates Colonic Serotonin Homeostasis in Mice with Dextran Sodium Sulfate-Induced Colitis. <i>Journal of Nutrition</i> , 2020 , 150, 1966-1976 | 4.1 | 17 |
| 516 | 3-Acetyldeoxynivalenol induces lysosomal membrane permeabilization-mediated apoptosis and inhibits autophagic flux in macrophages. <i>Environmental Pollution</i> , 2020 , 265, 114697 | 9.3 | 7 |
| 515 | Placentae for Low Birth Weight Piglets Are Vulnerable to Oxidative Stress, Mitochondrial Dysfunction, and Impaired Angiogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 8715412 ^{6.7} | 6.7 | 11 |
| 514 | Composition of amino acids and related nitrogenous nutrients in feedstuffs for animal diets. <i>Amino Acids</i> , 2020 , 52, 523-542 | 3.5 | 75 |
| 513 | Management of metabolic disorders (including metabolic diseases) in ruminant and nonruminant animals 2020 , 471-491 | | 13 |
| 512 | Effects of maternal L-proline supplementation on inflammatory cytokines at the placenta and fetus interface of mice. <i>Amino Acids</i> , 2020 , 52, 587-596 | 3.5 | 4 |
| 511 | Quantitative Proteomic Analysis Reveals Antiviral and Anti-inflammatory Effects of Puerarin in Piglets Infected With Porcine Epidemic Diarrhea Virus. <i>Frontiers in Immunology</i> , 2020 , 11, 169 | 8.4 | 10 |
| 510 | Introduction: significance, challenges and strategies of animal production 2020 , 1-17 | | 2 |
| 509 | Glycine Attenuates LPS-Induced Apoptosis and Inflammatory Cell Infiltration in Mouse Liver. <i>Journal of Nutrition</i> , 2020 , 150, 1116-1125 | 4.1 | 9 |
| 508 | Important roles of dietary taurine, creatine, carnosine, anserine and 4-hydroxyproline in human nutrition and health. <i>Amino Acids</i> , 2020 , 52, 329-360 | 3.5 | 125 |
| 507 | Elucidation of the Effects of a Current X-SCID Therapy on Intestinal Lymphoid Organogenesis Using an In Vivo Animal Model. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020 , 10, 83-100 | 7.9 | 4 |
| 506 | Daily watermelon consumption decreases plasma sVCAM-1 levels in overweight and obese postmenopausal women. <i>Nutrition Research</i> , 2020 , 76, 9-19 | 4 | 10 |
| 505 | Fermentation techniques in feed production 2020 , 407-429 | | 5 |

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| 504 | Dynamic changes in circulating levels of metabolites in the portal-drained viscera of finishing pigs receiving acute administration of l-arginine. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020 , 104, 1424-1431 | 2.6 | |
| 503 | Metabolism of Amino Acids in the Brain and Their Roles in Regulating Food Intake. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1265, 167-185 | 3.6 | 19 |
| 502 | Metabolism and Functions of Amino Acids in Sense Organs. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1265, 201-217 | 3.6 | 9 |
| 501 | Amino Acid Metabolism in the Liver: Nutritional and Physiological Significance. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1265, 21-37 | 3.6 | 19 |
| 500 | Epithelial Dysfunction in Lung Diseases: Effects of Amino Acids and Potential Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1265, 57-70 | 3.6 | 8 |
| 499 | Amino Acid Metabolism in the Kidneys: Nutritional and Physiological Significance. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1265, 71-95 | 3.6 | 17 |
| 498 | Impacts of Amino Acids on the Intestinal Defensive System. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1265, 133-151 | 3.6 | 12 |
| 497 | Maternal Nutrient Restriction and Skeletal Muscle Development: Consequences for Postnatal Health. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1265, 153-165 | 3.6 | 7 |
| 496 | Interferon tau: Influences on growth and development of the conceptus. <i>Theriogenology</i> , 2020 , 150, 75-83 | 2.8 | 11 |
| 495 | Metabolic studies reveal that ruminal microbes of adult steers do not degrade rumen-protected or unprotected L-citrulline. <i>Journal of Animal Science</i> , 2020 , 98, | 0.7 | 8 |
| 494 | Mechanotransduction drives morphogenesis to develop folding during placental development in pigs. <i>Placenta</i> , 2020 , 90, 62-70 | 3.4 | 12 |
| 493 | Oxidation of energy substrates in tissues of largemouth bass (<i>Micropterus salmoides</i>). <i>Amino Acids</i> , 2020 , 52, 1017-1032 | 3.5 | 15 |
| 492 | Effects of dietary protein and lipid levels on the growth performance, feed utilization, and liver histology of largemouth bass (<i>Micropterus salmoides</i>). <i>Amino Acids</i> , 2020 , 52, 1043-1061 | 3.5 | 17 |
| 491 | Effects of dietary starch and lipid levels on the protein retention and growth of largemouth bass (<i>Micropterus salmoides</i>). <i>Amino Acids</i> , 2020 , 52, 999-1016 | 3.5 | 26 |
| 490 | Effects of dietary protein intake on the oxidation of glutamate, glutamine, glucose and palmitate in tissues of largemouth bass (<i>Micropterus salmoides</i>). <i>Amino Acids</i> , 2020 , 52, 1491-1503 | 3.5 | 8 |
| 489 | Regulatory role of l-proline in fetal pig growth and intestinal epithelial cell proliferation. <i>Animal Nutrition</i> , 2020 , 6, 438-446 | 4.8 | 3 |
| 488 | 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. <i>Reproductive Toxicology</i> , 2020 , 96, 241-248 | 3.4 | 1 |
| 487 | Prenatal alcohol exposure and maternal glutamine supplementation alter the mTOR signaling pathway in ovine fetal cerebellum and skeletal muscle. <i>Alcohol</i> , 2020 , 89, 93-102 | 2.7 | 1 |

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| 486 | Obesity increases hepatic glycine dehydrogenase and aminomethyltransferase expression while dietary glycine supplementation reduces white adipose tissue in Zucker diabetic fatty rats. <i>Amino Acids</i> , 2020 , 52, 1413-1423 | 3.5 | 4 |
| 485 | 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. <i>Journal of Animal Science</i> , 2020 , 98, | 0.7 | 4 |
| 484 | Dietary -arginine supplementation reduces lipid accretion by regulating fatty acid metabolism in Nile tilapia (). <i>Journal of Animal Science and Biotechnology</i> , 2020 , 11, 82 | 6 | 11 |
| 483 | Protective Effects of Ghrelin on Fasting-Induced Muscle Atrophy in Aging Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 621-630 | 6.4 | 27 |
| 482 | N-Acetyl Serotonin Alleviates Oxidative Damage by Activating Nuclear Factor Erythroid 2-Related Factor 2 Signaling in Porcine Enterocytes. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 3 |
| 481 | DSM 17938 feeding of healthy newborn mice regulates immune responses while modulating gut microbiota and boosting beneficial metabolites. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, G824-G838 | 5.1 | 22 |
| 480 | Putrescine mitigates intestinal atrophy through suppressing inflammatory response in weanling piglets. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 69 | 6 | 11 |
| 479 | Hepatoprotective effect of chlorogenic acid against chronic liver injury in inflammatory rats. <i>Journal of Functional Foods</i> , 2019 , 62, 103540 | 5.1 | 15 |
| 478 | Adverse organogenesis and predisposed long-term metabolic syndrome from prenatal exposure to fine particulate matter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11590-11595 | 11.5 | 35 |
| 477 | Composition of polyamines and amino acids in plant-source foods for human consumption. <i>Amino Acids</i> , 2019 , 51, 1153-1165 | 3.5 | 77 |
| 476 | Protective Effects of Functional Amino Acids on Apoptosis, Inflammatory Response, and Pulmonary Fibrosis in Lipopolysaccharide-Challenged Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 4915-4922 | 5.7 | 15 |
| 475 | Application of new biotechnologies for improvements in swine nutrition and pork production. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 28 | 6 | 9 |
| 474 | Maternal L-proline supplementation during gestation alters amino acid and polyamine metabolism in the first generation female offspring of C57BL/6J mice. <i>Amino Acids</i> , 2019 , 51, 805-811 | 3.5 | 11 |
| 473 | 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. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019 , 103, 791-800 | 2.6 | 6 |
| 472 | Regulation of protein synthesis in porcine mammary epithelial cells by L-valine. <i>Amino Acids</i> , 2019 , 51, 717-726 | 3.5 | 15 |
| 471 | Analysis of Tryptophan and Its Metabolites by High-Performance Liquid Chromatography. <i>Methods in Molecular Biology</i> , 2019 , 2030, 131-142 | 1.4 | 2 |
| 470 | Oral administration of βketoglutarate enhances nitric oxide synthesis by endothelial cells and whole-body insulin sensitivity in diet-induced obese rats. <i>Experimental Biology and Medicine</i> , 2019 , 244, 1081-1088 | 3.7 | 7 |
| 469 | Cecropin A Alleviates Inflammation Through Modulating the Gut Microbiota of C57BL/6 Mice With DSS-Induced IBD. <i>Frontiers in Microbiology</i> , 2019 , 10, 1595 | 5.7 | 40 |

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| 468 | Ruminal microbes of adult steers do not degrade extracellular L-citrulline and have a limited ability to metabolize extracellular L-glutamate ^{1,2} . <i>Journal of Animal Science</i> , 2019 , 97, 3611-3616 | 0.7 | 7 |
| 467 | L-Glutamine Represses the Unfolded Protein Response in the Small Intestine of Weanling Piglets. <i>Journal of Nutrition</i> , 2019 , 149, 1904-1910 | 4.1 | 13 |
| 466 | Analysis of repeated measures data in nutrition research. <i>Frontiers in Bioscience - Landmark</i> , 2019 , 24, 1377-1389 | 2.8 | 4 |
| 465 | Glutamine Metabolism in Macrophages: A Novel Target for Obesity/Type 2 Diabetes. <i>Advances in Nutrition</i> , 2019 , 10, 321-330 | 10 | 58 |
| 464 | 253 Glutamate and glutamine are the major metabolic fuels in enterocytes of suckling piglets. <i>Journal of Animal Science</i> , 2019 , 97, 68-68 | 0.7 | 5 |
| 463 | 251 Oxidation of energy substrates in tissues of Largemouth bass (<i>Micropterus salmoides</i>). <i>Journal of Animal Science</i> , 2019 , 97, 68-69 | 0.7 | 2 |
| 462 | Microarray analysis reveals the inhibition of intestinal expression of nutrient transporters in piglets infected with porcine epidemic diarrhea virus. <i>Scientific Reports</i> , 2019 , 9, 19798 | 4.9 | 8 |
| 461 | 127 Dietary supplementation with glycine improves the post-weaning growth of low-birth-weight pigs. <i>Journal of Animal Science</i> , 2019 , 97, 112-112 | 0.7 | 1 |
| 460 | Maternal L-proline supplementation enhances fetal survival, placental development, and nutrient transport in mice. <i>Biology of Reproduction</i> , 2019 , 100, 1073-1081 | 3.9 | 21 |
| 459 | L-Arginine and L-Citrulline in Sports Nutrition and Health 2019 , 645-652 | | 4 |
| 458 | Effects of pyrroloquinoline quinone supplementation on growth performance and small intestine characteristics in weaned pigs. <i>Journal of Animal Science</i> , 2019 , 97, 246-256 | 0.7 | 13 |
| 457 | Glycine supplementation to breast-fed piglets attenuates post-weaning jejunal epithelial apoptosis: a functional role of CHOP signaling. <i>Amino Acids</i> , 2019 , 51, 463-473 | 3.5 | 17 |
| 456 | Effects of BPA on expression of apoptotic genes and migration of ovine trophectoderm (oTr1) cells during the peri-implantation period of pregnancy. <i>Reproductive Toxicology</i> , 2019 , 83, 73-79 | 3.4 | 5 |
| 455 | Metabolism, Nutrition, and Redox Signaling of Hydroxyproline. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 674-682 | 8.4 | 34 |
| 454 | Mechanisms for the establishment and maintenance of pregnancy: synergies from scientific collaborations. <i>Biology of Reproduction</i> , 2018 , 99, 225-241 | 3.9 | 31 |
| 453 | Impacts of maternal dietary protein intake on fetal survival, growth, and development. <i>Experimental Biology and Medicine</i> , 2018 , 243, 525-533 | 3.7 | 61 |
| 452 | 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. <i>Reproductive Toxicology</i> , 2018 , 78, 90-96 | 3.4 | 6 |
| 451 | L-Glutamine Attenuates Apoptosis in Porcine Enterocytes by Regulating Glutathione-Related Redox Homeostasis. <i>Journal of Nutrition</i> , 2018 , 148, 526-534 | 4.1 | 25 |

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| 450 | Effects of catecholamines on secretion of interferon tau and expression of genes for synthesis of polyamines and apoptosis by ovine trophectoderm. <i>Biology of Reproduction</i> , 2018 , 99, 611-628 | 3.9 | 11 |
| 449 | L-Arginine regulates protein turnover in porcine mammary epithelial cells to enhance milk protein synthesis. <i>Amino Acids</i> , 2018 , 50, 621-628 | 3.5 | 15 |
| 448 | Glycine enhances expression of adiponectin and IL-10 in 3T3-L1 adipocytes without affecting adipogenesis and lipolysis. <i>Amino Acids</i> , 2018 , 50, 629-640 | 3.5 | 11 |
| 447 | Innate differences and colostrum-induced alterations of jejunal mucosal proteins in piglets with intra-uterine growth restriction. <i>British Journal of Nutrition</i> , 2018 , 119, 734-747 | 3.6 | 14 |
| 446 | Analysis of Glutathione in Biological Samples by HPLC Involving Pre-Column Derivatization with o-Phthalaldehyde. <i>Methods in Molecular Biology</i> , 2018 , 1694, 105-115 | 1.4 | 9 |
| 445 | Regional dysregulation of taurine and related amino acids in the fetal rat brain following gestational alcohol exposure. <i>Alcohol</i> , 2018 , 66, 27-33 | 2.7 | 6 |
| 444 | Roles of dietary glycine, proline, and hydroxyproline in collagen synthesis and animal growth. <i>Amino Acids</i> , 2018 , 50, 29-38 | 3.5 | 161 |
| 443 | Protein. <i>Advances in Nutrition</i> , 2018 , 9, 651-653 | 10 | 17 |
| 442 | Amino Acids As Mediators of Metabolic Cross Talk between Host and Pathogen. <i>Frontiers in Immunology</i> , 2018 , 9, 319 | 8.4 | 49 |
| 441 | Dietary Supplementation with Oleum Cinnamomi Improves Intestinal Functions in Piglets. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 6 |
| 440 | Functional roles of ornithine decarboxylase and arginine decarboxylase during the peri-implantation period of pregnancy in sheep. <i>Journal of Animal Science and Biotechnology</i> , 2018 , 9, 10 | 6 | 5 |
| 439 | Endoplasmic reticulum stress-induced apoptosis in intestinal epithelial cells: a feed-back regulation by mechanistic target of rapamycin complex 1 (mTORC1). <i>Journal of Animal Science and Biotechnology</i> , 2018 , 9, 38 | 6 | 15 |
| 438 | L-Glutamate nutrition and metabolism in swine. <i>Amino Acids</i> , 2018 , 50, 1497-1510 | 3.5 | 51 |
| 437 | Dietary L-Tryptophan Modulates the Structural and Functional Composition of the Intestinal Microbiome in Weaned Piglets. <i>Frontiers in Microbiology</i> , 2018 , 9, 1736 | 5.7 | 59 |
| 436 | Establishment of a recombinant -induced piglet diarrhea model. <i>Frontiers in Bioscience - Landmark</i> , 2018 , 23, 1517-1534 | 2.8 | 5 |
| 435 | Cellular events during ovine implantation and impact for gestation. <i>Animal Reproduction</i> , 2018 , 15, 843-855 | | 14 |
| 434 | Dietary l-Tryptophan Supplementation Enhances the Intestinal Mucosal Barrier Function in Weaned Piglets: Implication of Tryptophan-Metabolizing Microbiota. <i>International Journal of Molecular Sciences</i> , 2018 , 20, | 6.3 | 30 |
| 433 | Functional roles of agmatinase during the peri-implantation period of pregnancy in sheep. <i>Amino Acids</i> , 2018 , 50, 293-308 | 3.5 | 5 |

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| 432 | Functional multiple indicators, multiple causes measurement error models. <i>Biometrics</i> , 2018 , 74, 127-134. | 4.8 | 3 |
| 431 | BOARD-INVITED REVIEW: Arginine nutrition and metabolism in growing, gestating, and lactating swine. <i>Journal of Animal Science</i> , 2018 , 96, 5035-5051 | 0.7 | 36 |
| 430 | Dietary Supplementation with Trihexanoin Enhances Intestinal Function of Weaned Piglets. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 4 |
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| 269 | L-Glutamine regulates amino acid utilization by intestinal bacteria. <i>Amino Acids</i> , 2013 , 45, 501-12 | 3.5 | 85 |
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| 267 | Dietary L-glutamine supplementation improves pregnancy outcome in mice infected with type-2 porcine circovirus. <i>Amino Acids</i> , 2013 , 45, 479-88 | 3.5 | 64 |
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| 261 | Dietary supplementation with monosodium glutamate is safe and improves growth performance in postweaning pigs. <i>Amino Acids</i> , 2013 , 44, 911-23 | 3.5 | 114 |
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| 242 | The Effect of Improved Juice Wastes Mixture (IJWM) for Corn Substitution on Broilers Performance. <i>International Journal of Poultry Science</i> , 2013 , 12, 102-106 | 0.3 | 3 |
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