# Chunlong Mu

List of Publications by Year
in descending order



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|---|---|---|---|
| 59 papers | 2,178 citations | 218677 26 h-index | 233421 45 g-index |
| 60 all docs | 60 docs citations | 60 times ranked | 2355 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tryptophan Metabolism: A Link Between the Gut Microbiota and Brain. Advances in Nutrition, 2020, 11, 709-723. | 6.4 | 319 |
| 2 | Age, introduction of solid feed and weaning are more important determinants of gut bacterial succession in piglets than breed and nursing mother as revealed by a reciprocal crossâ€fostering model. Environmental Microbiology, 2016, 18, 1566-1577. | 3.8 | 191 |
| 3 | Gut Microbiota: The Brain Peacekeeper. Frontiers in Microbiology, 2016, 7, 345. | 3.5 | 140 |
| 4 | The Colonic Microbiome and Epithelial Transcriptome Are Altered in Rats Fed a High-Protein Diet Compared with a Normal-Protein Diet. Journal of Nutrition, 2016, 146, 474-483. | 2.9 | 121 |
| 5 | Differences in Microbiota Membership along the Gastrointestinal Tract of Piglets and Their Differential Alterations Following an Early-Life Antibiotic Intervention. Frontiers in Microbiology, 2017, 8, 797. | 3.5 | 103 |
| 6 | Antibioticsâ€induced modulation of large intestinal microbiota altered aromatic amino acid profile and expression of neurotransmitters in the hypothalamus of piglets. Journal of Neurochemistry, 2018, 146, 219-234. | 3.9 | 71 |
| 7 | Marked Response in Microbial Community and Metabolism in the Ileum and Cecum of Suckling Piglets After Early Antibiotics Exposure. Frontiers in Microbiology, 2018, 9, 1166. | 3.5 | 67 |
| 8 | Increasing carbohydrate availability in the hindgut promotes hypothalamic neurotransmitter synthesis: aromatic amino acids linking the microbiotaâ€“brain axis. Journal of Neurochemistry, 2019, 149, 641-659. | 3.9 | 58 |
| 9 | Effects of dietary fibre source on microbiota composition in the large intestine of suckling piglets. FEMS Microbiology Letters, 2016, 363, fnw138. | 1.8 | 55 |
| 10 | Long-term effects of early antibiotic intervention on blood parameters, apparent nutrient digestibility, and fecal microbial fermentation profile in pigs with different dietary protein levels. Journal of Animal Science and Biotechnology, 2017, 8, 60. | 5.3 | 55 |
| 11 | Time-course responses of ileal and fecal microbiota and metabolite profiles to antibiotics in cannulated pigs. Applied Microbiology and Biotechnology, 2018, 102, 2289-2299. | 3.6 | 52 |
| 12 | Differential effect of early antibiotic intervention on bacterial fermentation patterns and mucosal gene expression in the colon of pigs under diets with different protein levels. Applied Microbiology and Biotechnology, 2017, 101, 2493-2505. | 3.6 | 50 |
| 13 | Antibiotic effects on gut microbiota, metabolism, and beyond. Applied Microbiology and Biotechnology, 2019, 103, 9277-9285. | 3.6 | 50 |
| 14 | Temporal microbiota changes of high-protein diet intake in a rat model. Anaerobe, 2017, 47, 218-225. | 2.1 | 48 |
| 15 | Alteration of metabolomic markers of amino-acid metabolism in piglets with in-feed antibiotics. Amino Acids, 2017, 49, 771-781. | 2.7 | 46 |
| 16 | Increases in circulating amino acids with in-feed antibiotics correlated with gene expression of intestinal amino acid transporters in piglets. Amino Acids, 2017, 49, 1587-1599. | 2.7 | 44 |
| 17 | Dietary fibres modulate the composition and activity of butyrate-producing bacteria in the large intestine of suckling piglets. Antonie Van Leeuwenhoek, 2017, 110, 687-696. | 1.7 | 43 |
| 18 | Crosstalk Between The Immune Receptors and Gut Microbiota. Current Protein and Peptide Science, 2015, 16, 622-631. | 1.4 | 43 |

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|---|---|---|---|
| 19 | Effect of early antibiotic administration on cecal bacterial communities and their metabolic profiles in pigs fed diets with different protein levels. Anaerobe, 2016, 42, 188-196. | 2.1 | 39 |
| 20 | Indigenously associated methanogens intensified the metabolism in hydrogenosomes of anaerobic fungi with xylose as substrate. Journal of Basic Microbiology, 2017, 57, 933-940. | 3.3 | 37 |
| 21 | Determination of Biogenic Amines in Digesta by High Performance Liquid Chromatography with Precolumn Dansylation. Analytical Letters, 2014, 47, 1290-1298. | 1.8 | 35 |
| 22 | Changes in the Solid-, Liquid-, and Epithelium-Associated Bacterial Communities in the Rumen of Hu Lambs in Response to Dietary Urea Supplementation. Frontiers in Microbiology, 2020, 11, 244. | 3.5 | 35 |
| 23 | An increase in corn resistant starch decreases protein fermentation and modulates gut microbiota during inÂvitro cultivation of pig large intestinal inocula. Animal Nutrition, 2017, 3, 219-224. | 5.1 | 33 |
| 24 | Progressive response of large intestinal bacterial community and fermentation to the stepwise decrease of dietary crude protein level in growing pigs. Applied Microbiology and Biotechnology, 2017, 101, 5415-5426. | 3.6 | 31 |
| 25 | Diversity and community pattern of sulfate-reducing bacteria in piglet gut. Journal of Animal Science and Biotechnology, 2019, 10, 40. | 5.3 | 28 |
| 26 | Characteristics of gut microbiota and its response to a Chinese Herbal Formula in elder patients with metabolic syndrome. Drug Discoveries and Therapeutics, 2018, 12, 161-169. | 1.5 | 27 |
| 27 | Increasing the Hindgut Carbohydrate/Protein Ratio by Cecal Infusion of Corn Starch or Casein Hydrolysate Drives Gut Microbiota-Related Bile Acid Metabolism To Stimulate Colonic Barrier Function. MSystems, 2020, 5, . | 3.8 | 27 |
| 28 | Metabolomic analysis reveals distinct profiles in the plasma and urine of rats fed a high-protein diet. Amino Acids, 2015, 47, 1225-1238. | 2.7 | 26 |
| 29 | Seizure modulation by the gut microbiota and tryptophan-kynurenine metabolism in an animal model of infantile spasms. EBioMedicine, 2022, 76, 103833. | 6.1 | 25 |
| 30 | Ileum terminal antibiotic infusion affects jejunal and colonic specific microbial population and immune status in growing pigs. Journal of Animal Science and Biotechnology, 2018, 9, 51. | 5.3 | 24 |
| 31 | Ligation of Fc gamma receptor IIB enhances levels of antiviral cytokine in response to PRRSV infection in vitro. Veterinary Microbiology, 2012, 160, 473-480. | 1.9 | 23 |
| 32 | Metabolic Framework for the Improvement of Autism Spectrum Disorders by a Modified Ketogenic Diet: A Pilot Study. Journal of Proteome Research, 2020, 19, 382-390. | 3.7 | 23 |
| 33 | Bromochloromethane, a Methane Analogue, Affects the Microbiota and Metabolic Profiles of the Rat Gastrointestinal Tract. Applied and Environmental Microbiology, 2016, 82, 778-787. | 3.1 | 21 |
| 34 | Genetic variation and phylogenetic analysis of porcine circovirus type 2 infections in central China. Virus Genes, 2012, 45, 463-473. | 1.6 | 17 |
| 35 | New Insights into Porcine Milk N-Glycome and the Potential Relation with Offspring Gut Microbiome. Journal of Proteome Research, 2019, 18, 1114-1124. | 3.7 | 17 |
| 36 | Differential Effects of Breed and Nursing on Early-Life Colonic Microbiota and Immune Status as Revealed in a Cross-Fostering Piglet Model. Applied and Environmental Microbiology, 2019, 85, . | 3.1 | 16 |

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|---|---|---|---|
| 37 | Probiotics counteract hepatic steatosis caused by ketogenic diet and upregulate AMPK signaling in a model of infantile epilepsy. EBioMedicine, 2022, 76, 103838. | 6.1 | 16 |
| 38 | Segment-specific responses of intestinal epithelium transcriptome to in-feed antibiotics in pigs. Physiological Genomics, 2017, 49, 582-591. | 2.3 | 15 |
| 39 | The link between brain acidosis, breathing and seizures: a novel mechanism of action for the ketogenic diet in a model of infantile spasms. Brain Communications, 2021, 3, fcab189. | 3.3 | 14 |
| 40 | Distinct Gut Microbiota and Serum Metabolites in Response to Weight Loss Induced by Either Dairy or Exercise in a Rodent Model of Obesity. Journal of Proteome Research, 2019, 18, 3867-3875. | 3.7 | 12 |
| 41 | Stimulation of Gastric Transit Function Driven by Hydrolyzed Casein Increases Small Intestinal Carbohydrate Availability and Its Microbial Metabolism. Molecular Nutrition and Food Research, 2020, 64, e2000250. | 3.3 | 11 |
| 42 | Targeted gut microbiota manipulation attenuates seizures in a model of infantile spasms syndrome. JCI Insight, 2022, 7, . | 5.0 | 11 |
| 43 | Selective Probiotic Treatment Positively Modulates the Microbiotaâ€“Gutâ€“Brain Axis in the BTBR Mouse Model of Autism. Brain Sciences, 2022, 12, 781. | 2.3 | 10 |
| 44 | Porcine Fc gamma RIIb sub-isoforms are generated by alternative splicing. Veterinary Immunology and Immunopathology, 2012, 145, 386-394. | 1.2 | 8 |
| 45 | Molecular evolution of porcine reproductive and respiratory syndrome virus isolates from central China. Research in Veterinary Science, 2013, 95, 908-912. | 1.9 | 8 |
| 46 | Low crude protein diets supplemented with casein hydrolysate enhance the intestinal barrier function and decrease the pro-inflammatory cytokine expression in the small intestine of pigs. Animal Nutrition, 2021, 7, 770-778. | 5.1 | 6 |
| 47 | Gut-based manipulations spur hippocampal mitochondrial bioenergetics in a model of pediatric epilepsy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166446. | 3.8 | 6 |
| 48 | Metabolic and Gut Microbiota Responses to Sourdough Pasta Consumption in Overweight and Obese Adults. Frontiers in Nutrition, 2020, 7, 615003. | 3.7 | 5 |
| 49 | Microbiomes in the Intestine of Developing Pigs: Implications for Nutrition and Health. Advances in Experimental Medicine and Biology, 2022, 1354, 161-176. | 1.6 | 4 |
| 50 | The effect of increased atmospheric temperature and CO2 concentration during crop growth on the chemical composition and in vitro rumen fermentation characteristics of wheat straw. Journal of Animal Science and Biotechnology, 2015, 6, 46. | 5.3 | 3 |
| 51 | Longâ€term effect of early antibiotic exposure on amino acid profiles and gene expression of transporters and receptors in the small intestinal mucosa of growing pigs with different dietary protein levels. Journal of the Science of Food and Agriculture, 2020, 100, 235-244. | 3.5 | 3 |
| 52 | Comparisons of blood biochemical parameters, digestive enzyme activities and volatile fatty acid profile between Meishan and Yorkshire piglets. Animal Nutrition, 2015, 1, 289-292. | 5.1 | 2 |
| 53 | Impact of experimental colitis on mitochondrial bioenergetics in intestinal epithelial cells. Scientific Reports, 2022, 12, 7453. | 3.3 | 2 |
| 54 | Effect of supplementation with select human milk oligosaccharides on artificially reared newborn rats. British Journal of Nutrition, 2022, 128, 1906-1916. | 2.3 | 1 |

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|---|---|---|---|
| 55 | Addition of Prebiotics to the Ketogenic Diet Improves Metabolic Profile but Does Not Affect Seizures in a Rodent Model of Infantile Spasms Syndrome. Nutrients, 2022, 14, 2210. | 4.1 | 1 |
| 56 | Back Cover: Stimulation of Gastric Transit Function Driven by Hydrolyzed Casein Increases Small Intestinal Carbohydrate Availability and Its Microbial Metabolism. Molecular Nutrition and Food Research, 2020, 64, 2070048. | 3.3 | 0 |
| 57 | Glutamine and Intestinal Physiology and Pathology. , 2017, , 135-148. | | 0 |
| 58 | å¾®ç”Ÿç‰©ç¾¤ä¸Žå¨‡ç‰©æ¶ˆåŒ–é•¿è¥å…». Scientia Sinica Vitae, 2022, , . | 0.3 | 0 |
| 59 | The Ketogenic Diet and the Gut Microbiome. , 2022, , 245-256. | | 0 |