

# Shuang Cai

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

792  
citations

623574

14  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1017  
citing authors

#	ARTICLE	IF	CITATIONS
1	CBS and MAT2A improve methionine-mediated DNA synthesis through SAMTOR/mTORC1/S6K1/CAD pathway during embryo implantation. <i>Cell Proliferation</i> , 2021, 54, e12950.	2.4	13
2	One Carbon Metabolism and Mammalian Pregnancy Outcomes. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000734.	1.5	20
3	Butyrate drives the acetylation of histone H3K9 to activate steroidogenesis through PPAR $\beta$ and PGC1 $\alpha$ pathways in ovarian granulosa cells. <i>FASEB Journal</i> , 2021, 35, e21316.	0.2	15
4	Uterine Insulin Sensitivity Defects Induced Embryo Implantation Loss Associated with Mitochondrial Dysfunction-Triggered Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	3
5	Nutritional Status Impacts Epigenetic Regulation in Early Embryo Development: A Scoping Review. <i>Advances in Nutrition</i> , 2021, 12, 1877-1892.	2.9	16
6	Mechanisms of lipid metabolism in uterine receptivity and embryo development. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 1015-1030.	3.1	22
7	Therapeutic administration of the recombinant antimicrobial peptide microcin J25 effectively enhances host defenses against gut inflammation and epithelial barrier injury induced by enterotoxigenic <i>Escherichia coli</i> infection. <i>FASEB Journal</i> , 2020, 34, 1018-1037.	0.2	45
8	<i>Lactobacillus reuteri</i> Ameliorates Intestinal Inflammation and Modulates Gut Microbiota and Metabolic Disorders in Dextran Sulfate Sodium-Induced Colitis in Mice. <i>Nutrients</i> , 2020, 12, 2298.	1.7	50
9	Effect of Antimicrobial Peptide Microcin J25 on Growth Performance, Immune Regulation, and Intestinal Microbiota in Broiler Chickens Challenged with <i>Escherichia coli</i> and <i>Salmonella</i> . <i>Animals</i> , 2020, 10, 345.	1.0	53
10	Effects of dietary crude protein level and N-carbamylglutamate supplementation on nutrient digestibility and digestive enzyme activity of jejunum in growing pigs. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	9
11	A Comprehensive Antimicrobial Activity Evaluation of the Recombinant Microcin J25 Against the Foodborne Pathogens <i>Salmonella</i> and <i>E. coli</i> O157:H7 by Using a Matrix of Conditions. <i>Frontiers in Microbiology</i> , 2019, 10, 1954.	1.5	32
12	Bridging intestinal immunity and gut microbiota by metabolites. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3917-3937.	2.4	176
13	Isoleucine attenuates infection induced by <i>E. coli</i> challenge through the modulation of intestinal endogenous antimicrobial peptide expression and the inhibition of the increase in plasma endotoxin and IL-6 in weaned pigs. <i>Food and Function</i> , 2019, 10, 3535-3542.	2.1	12
14	Maternal short and medium chain fatty acids supply during early pregnancy improves embryo survival through enhancing progesterone synthesis in rats. <i>Journal of Nutritional Biochemistry</i> , 2019, 69, 98-107.	1.9	25
15	Metabolic disorder of amino acids, fatty acids and purines reflects the decreases in oocyte quality and potential in sows. <i>Journal of Proteomics</i> , 2019, 200, 134-143.	1.2	34
16	Risks Related to High-Dosage Recombinant Antimicrobial Peptide Microcin J25 in Mice Model: Intestinal Microbiota, Intestinal Barrier Function, and Immune Regulation. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11301-11310.	2.4	31
17	Maternal N-Carbamylglutamate Supply during Early Pregnancy Enhanced Pregnancy Outcomes in Sows through Modulations of Targeted Genes and Metabolism Pathways. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5845-5852.	2.4	23
18	Protective Ability of Biogenic Antimicrobial Peptide Microcin J25 Against Enterotoxigenic <i>Escherichia coli</i> -Induced Intestinal Epithelial Dysfunction and Inflammatory Responses IPEC-J2 Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 242.	1.8	66

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19	Advances in low-protein diets for swine. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 60.	2.1	147