Jian Peng

List of Publications by Year in Descending Order

96 papers	1,675 citations	25 h-index	36 g-index
102 ext. papers	2,247 ext. citations	4.7 avg, IF	5.06 L-index

#	Paper	IF	Citations
96	Effects of different amino acid levels and a carvacrol-thymol blend on growth performance and intestinal health of weaned pigs.. *Journal of Animal Science and Biotechnology*, **2022**, 13, 22	6	0
95	Effects on the Cell Barrier Function of L-Met and DL-HMTBA Is Related to Metabolic Characteristics and mA Modification.. *Frontiers in Nutrition*, **2022**, 9, 836069	6.2	0
94	Diallyl Trisulfide Promotes Placental Angiogenesis by Regulating Lipid Metabolism and Alleviating Inflammatory Responses in Obese Pregnant Mice. *Nutrients*, **2022**, 14, 2230	6.7	0
93	Inclusion of Soluble Fiber During Gestation Regulates Gut Microbiota, Improves Bile Acid Homeostasis, and Enhances the Reproductive Performance of Sows. *Frontiers in Veterinary Science*, **2021**, 8, 756910	3.1	1
92	Role of bioactive peptides derived from food proteins in programmed cell death to treat inflammatory diseases and cancer. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-19	11.5	3
91	Role of arachidonic acid-derived eicosanoids in intestinal innate immunity. *Critical Reviews in Food Science and Nutrition*, **2021**, 61, 2399-2410	11.5	7
90	Hydratability and improved fermentability in vitro of guar gum by combination of xanthan gum. *Carbohydrate Polymers*, **2021**, 258, 117625	10.3	2
89	The Effect of Functional Fiber on Microbiota Composition in Different Intestinal Segments of Obese Mice. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
88	Gut health: The results of microbial and mucosal immune interactions in pigs. *Animal Nutrition*, **2021**, 7, 282-294	4.8	8
87	Gly-Pro-Ala peptide and FGSHF3 exert protective effects in DON-induced toxicity and intestinal damage via decreasing oxidative stress. *Food Research International*, **2021**, 139, 109840	7	6
86	Establishment of a multilevel linear model to analyse the factors affecting piglet litter performance at birth. *Reproduction in Domestic Animals*, **2021**, 56, 278-286	1.6	
85	Elevated Systemic and Intestinal Inflammatory Response Are Associated With Gut Microbiome Disorder After Cardiovascular Surgery. *Frontiers in Microbiology*, **2021**, 12, 686648	5.7	2
84	Effects of palmitic acid and eicosapentaenoic acid on angiogenesis of porcine vascular endothelial cells. *Veterinary Medicine and Science*, **2021**, 7, 2260-2267	2.1	1
83	Effect of gestation dietary methionine-to-lysine ratio on methionine metabolism and antioxidant ability of high-prolific sows. *Animal Nutrition*, **2021**, 7, 849-858	4.8	1
82	NR4A1 suppresses pyroptosis by transcriptionally inhibiting NLRP3 and IL-1 and co-localizing with NLRP3 in trans-Golgi to alleviate pathogenic bacteria-induced colitis.. *Clinical and Translational Medicine*, **2021**, 11, e639	5.7	
81	Effect of Sows Gestational Methionine/Lysine Ratio on Maternal and Placental Hydrogen Sulfide Production. *Animals*, **2020**, 10,	3.1	3
80	Early-Life Intervention Using Fecal Microbiota Combined with Probiotics Promotes Gut Microbiota Maturation, Regulates Immune System Development, and Alleviates Weaning Stress in Piglets. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	25

79	GPA peptide inhibits NLRP3 inflammasome activation to ameliorate colitis through AMPK pathway. *Aging*, **2020**, 12, 18522-18544	5.6	10
78	Inclusion of Soluble Fiber in the Gestation Diet Changes the Gut Microbiota, Affects Plasma Propionate and Odd-Chain Fatty Acids Levels, and Improves Insulin Sensitivity in Sows. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
77	Combined Soluble Fiber-Mediated Intestinal Microbiota Improve Insulin Sensitivity of Obese Mice. *Nutrients*, **2020**, 12,	6.7	12
76	Simultaneous Quantification of Methionine-Related Metabolites and Co-factors in IPEC-J2 and PIEC Cells by LC–MS/MS. *Chromatographia*, **2020**, 83, 361-371	2.1	
75	FSGHF3 and peptides, prepared from fish skin gelatin, exert a protective effect on DSS-induced colitis via the Nrf2 pathway. *Food and Function*, **2020**, 11, 414-423	6.1	20
74	GPA peptide enhances Nur77 expression in intestinal epithelial cells to exert a protective effect against DSS-induced colitis. *FASEB Journal*, **2020**, 34, 15364-15378	0.9	6
73	Gut Microbiological Disorders Reduce Semen Utilization Rate in Duroc Boars. *Frontiers in Microbiology*, **2020**, 11, 581926	5.7	3
72	GPA Peptide-Induced Nur77 Localization at Mitochondria Inhibits Inflammation and Oxidative Stress through Activating Autophagy in the Intestine. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 4964202	6.7	11
71	Different dietary methionine to lysine ratios in the lactation diet: effects on the performance of sows and their offspring and methionine metabolism in lactating sows. *Journal of Animal Science and Biotechnology*, **2019**, 10, 76	6	4
70	Effect of gestation dietary methionine/lysine ratio on placental angiogenesis and reproductive performance of sows1. *Journal of Animal Science*, **2019**, 97, 3487-3497	0.7	3
69	An Analysis of Culling Patterns during the Breeding Cycle and Lifetime Production from the Aspect of Culling Reasons for Gilts and Sows in Southwest China. *Animals*, **2019**, 9,	3.1	6
68	Microelements in seminal and serum plasma are associated with fresh semen quality in Yorkshire boars. *Theriogenology*, **2019**, 132, 88-94	2.8	3
67	Zfp217 mediates m6A mRNA methylation to orchestrate transcriptional and post-transcriptional regulation to promote adipogenic differentiation. *Nucleic Acids Research*, **2019**, 47, 6130-6144	20.1	50
66	Logistic regression analysis of the related factors in discarded semen of boars in Southern China. *Theriogenology*, **2019**, 131, 47-51	2.8	4
65	Serum and Seminal Plasma Element Concentrations in Relation to Semen Quality in Duroc Boars. *Biological Trace Element Research*, **2019**, 189, 85-94	4.5	3
64	Maternal Eicosapentaenoic Acid Feeding Decreases Placental Lipid Deposition and Improves the Homeostasis of Oxidative Stress Through a Sirtuin-1 (SIRT1) Independent Manner. *Molecular Nutrition and Food Research*, **2019**, 63, e1900343	5.9	6
63	Effects of Different Methionine Sources on Methionine Metabolism in the IPEC-J2 Cells. *BioMed Research International*, **2019**, 2019, 5464906	3	5
62	Oxidative Stress and Inflammation in Sows with Excess Backfat: Up-Regulated Cytokine Expression and Elevated Oxidative Stress Biomarkers in Placenta. *Animals*, **2019**, 9,	3.1	6

61	Obesity of Sows at Late Pregnancy Aggravates Metabolic Disorder of Perinatal Sows and Affects Performance and Intestinal Health of Piglets. *Animals*, **2019**, 10,	3.1	3
60	Effects of Different Probiotics on Laying Performance, Egg Quality, Oxidative Status, and Gut Health in Laying Hens. *Animals*, **2019**, 9,	3.1	19
59	Maternal eicosapentaenoic acid feeding promotes placental angiogenesis through a Sirtuin-1 independent inflammatory pathway. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2019**, 1864, 147-157	5	9
58	Multi-level mixed models for evaluating factors affecting the mortality and weaning weight of piglets in large-scale commercial farms in central China. *Animal Science Journal*, **2018**, 89, 760-769	1.8	6
57	Excessive backfat of sows at 109 d of gestation induces lipotoxic placental environment and is associated with declining reproductive performance. *Journal of Animal Science*, **2018**, 96, 250-257	0.7	24
56	Analysis of influencing factors of boar claw lesion and lameness. *Animal Science Journal*, **2018**, 89, 802-809	1.8	3
55	Blend of organic acids and medium chain fatty acids prevents the inflammatory response and intestinal barrier dysfunction in mice challenged with enterohemorrhagic Escherichia coli O157:H7. *International Immunopharmacology*, **2018**, 58, 64-71	5.8	10
54	Maternal Soluble Fiber Diet during Pregnancy Changes the Intestinal Microbiota, Improves Growth Performance, and Reduces Intestinal Permeability in Piglets. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	51
53	Oregano Essential Oil Attenuates RAW264.7 Cells from Lipopolysaccharide-Induced Inflammatory Response through Regulating NADPH Oxidase Activation-Driven Oxidative Stress. *Molecules*, **2018**, 23,	4.8	22
52	miR-221 negatively regulates inflammation and insulin sensitivity in white adipose tissue by repression of sirtuin-1 (SIRT1). *Journal of Cellular Biochemistry*, **2018**, 119, 6418-6428	4.7	32
51	Supplementing Oregano Essential Oil in a Reduced-Protein Diet Improves Growth Performance and Nutrient Digestibility by Modulating Intestinal Bacteria, Intestinal Morphology, and Antioxidative Capacity of Growing-Finishing Pigs. *Animals*, **2018**, 8,	3.1	17
50	Antioxidative peptides of hydrolysate prepared from fish skin gelatin using ginger protease activate antioxidant response element-mediated gene transcription in IPEC-J2 cells. *Journal of Functional Foods*, **2018**, 51, 104-112	5.1	31
49	Fish Skin Gelatin Hydrolysate Production by Ginger Powder Induces Glutathione Synthesis To Prevent Hydrogen Peroxide Induced Intestinal Oxidative Stress via the Pept1-p62-Nrf2 Cascade. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 11601-11611	5.7	34
48	Caprylic acid and nonanoic acid upregulate endogenous host defense peptides to enhance intestinal epithelial immunological barrier function via histone deacetylase inhibition. *International Immunopharmacology*, **2018**, 65, 303-311	5.8	14
47	Metabolic Syndrome During Perinatal Period in Sows and the Link With Gut Microbiota and Metabolites. *Frontiers in Microbiology*, **2018**, 9, 1989	5.7	39
46	Maternal obesity aggravates the abnormality of porcine placenta by increasing N-methyladenosine. *International Journal of Obesity*, **2018**, 42, 1812-1820	5.5	18
45	Lower dietary n-6 : n-3 ratio and high-dose vitamin E supplementation improve sperm morphology and oxidative stress in boars. *Reproduction, Fertility and Development*, **2017**, 29, 940-949	1.8	6
44	Linear model analysis of the influencing factors of boar longevity in Southern China. *Theriogenology* , **2017**, 93, 105-110	2.8	2

43	GPR120: a critical role in adipogenesis, inflammation, and energy metabolism in adipose tissue. *Cellular and Molecular Life Sciences*, **2017**, 74, 2723-2733	10.3	21
42	The effects of reduced dietary protein level on amino acid transporters and mTOR signaling pathway in pigs. *Biochemical and Biophysical Research Communications*, **2017**, 485, 319-327	3.4	12
41	E4BP4 mediates glucocorticoid-regulated adipogenesis through COX2. *Molecular and Cellular Endocrinology*, **2017**, 450, 43-53	4.4	4
40	Dietary supplementation of branched-chain amino acids increases muscle net amino acid fluxes through elevating their substrate availability and intramuscular catabolism in young pigs. *British Journal of Nutrition*, **2017**, 117, 911-922	3.6	7
39	Identification of novel regulatory GRE-binding elements in the porcine IP3R1 gene promoter and their transcriptional activation under glucocorticoid stimulation. *General and Comparative Endocrinology*, **2017**, 249, 71-81	3	1
38	Effects of dietary fibers with high water-binding capacity and swelling capacity on gastrointestinal functions, food intake and body weight in male rats. *Food and Nutrition Research*, **2017**, 61, 1308118	3.1	22
37	Myostatin inhibits eEF2K-eEF2 by regulating AMPK to suppress protein synthesis. *Biochemical and Biophysical Research Communications*, **2017**, 494, 278-284	3.4	13
36	Effect of oregano essential oil and benzoic acid supplementation to a low-protein diet on meat quality, fatty acid composition, and lipid stability of longissimus thoracis muscle in pigs. *Lipids in Health and Disease*, **2017**, 16, 164	4.4	3
35	Effect of oregano essential oil supplementation to a reduced-protein, amino acid-supplemented diet on meat quality, fatty acid composition, and oxidative stability of Longissimus thoracis muscle in growing-finishing pigs. *Meat Science*, **2017**, 133, 103-109	6.4	34
34	Function analysis of Mef2c promoter in muscle differentiation. *Biotechnology and Applied Biochemistry*, **2017**, 64, 647-656	2.8	2
33	Eicosapentaenoic acid abolishes inhibition of insulin-induced mTOR phosphorylation by LPS via PTP1B downregulation in skeletal muscle. *Molecular and Cellular Endocrinology*, **2017**, 439, 116-125	4.4	8
32	Effects of dietary oregano essential oil and vitamin E supplementation on meat quality, stress response and intestinal morphology in pigs following transport stress. *Journal of Veterinary Medical Science*, **2017**, 79, 328-335	1.1	19
31	MiR-377 promotes white adipose tissue inflammation and decreases insulin sensitivity in obesity via suppression of sirtuin-1 (SIRT1). *Oncotarget*, **2017**, 8, 70550-70563	3.3	32
30	Dietary n-6:n-3 ratio and Vitamin E improve motility characteristics in association with membrane properties of boar spermatozoa. *Asian Journal of Andrology*, **2017**, 19, 223-229	2.8	7
29	MicroRNA-215 impairs adipocyte differentiation and co-represses FNDC3B and CTNNBIP1. *International Journal of Biochemistry and Cell Biology*, **2016**, 79, 104-112	5.6	18
28	Inclusion of Konjac Flour in the Gestation Diet Changes the Gut Microbiota, Alleviates Oxidative Stress, and Improves Insulin Sensitivity in Sows. *Applied and Environmental Microbiology*, **2016**, 82, 5899-909	4.8	45
27	Effects of oregano essential oil or quercetin supplementation on body weight loss, carcass characteristics, meat quality and antioxidant status in finishing pigs under transport stress. *Livestock Science*, **2016**, 192, 33-38	1.7	28
26	Supplementation of branched-chain amino acids to a reduced-protein diet improves growth performance in piglets: involvement of increased feed intake and direct muscle growth-promoting effect. *British Journal of Nutrition*, **2016**, 115, 2236-45	3.6	28

25	Transcriptional response of porcine skeletal muscle to feeding a linseed-enriched diet to growing pigs. *Journal of Animal Science and Biotechnology*, **2016**, 7, 6	6	10
24	GPR120 promotes adipogenesis through intracellular calcium and extracellular signal-regulated kinase 1/2 signal pathway. *Molecular and Cellular Endocrinology*, **2016**, 434, 1-13	4.4	31
23	Effects of Supplementation of Branched-Chain Amino Acids to Reduced-Protein Diet on Skeletal Muscle Protein Synthesis and Degradation in the Fed and Fasted States in a Piglet Model. *Nutrients*, **2016**, 9,	6.7	15
22	SIRT1 suppresses adipogenesis by activating Wnt/β-catenin signaling in vivo and in vitro. *Oncotarget*, **2016**, 7, 77707-77720	3.3	52
21	Oregano Essential Oil Induces SOD1 and GSH Expression through Nrf2 Activation and Alleviates Hydrogen Peroxide-Induced Oxidative Damage in IPEC-J2 Cells. *Oxidative Medicine and Cellular Longevity*, **2016**, 2016, 5987183	6.7	50
20	Oregano Essential Oil Improves Intestinal Morphology and Expression of Tight Junction Proteins Associated with Modulation of Selected Intestinal Bacteria and Immune Status in a Pig Model. *BioMed Research International*, **2016**, 2016, 5436738	3	55
19	Recent Advances in Understanding Amino Acid Sensing Mechanisms that Regulate mTORC1. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	59
18	Histone H3 Methyltransferase Suv39h1 Prevents Myogenic Terminal Differentiation by Repressing MEF2 Activity in Muscle Cells. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	4
17	Soluble Fiber with High Water-Binding Capacity, Swelling Capacity, and Fermentability Reduces Food Intake by Promoting Satiety Rather Than Satiation in Rats. *Nutrients*, **2016**, 8,	6.7	16
16	The epigenetic regulation of embryonic myogenesis and adult muscle regeneration by histone methylation modification. *Biochemistry and Biophysics Reports*, **2016**, 6, 209-219	2.2	32
15	The inflammation regulation effects of Enterococcus faecium HDRsEf1 on human enterocyte-like HT-29 cells. *Animal Cells and Systems*, **2016**, 20, 70-76	2.3	4
14	Identification of zinc finger protein Bcl6 as a novel regulator of early adipose commitment. *Open Biology*, **2016**, 6,	7	14
13	Molecular cloning, expression pattern analysis of porcine Rb1 gene and its regulatory roles during primary dedifferentiated fat cells adipogenic differentiation. *General and Comparative Endocrinology*, **2015**, 214, 77-86	3	9
12	Integrated analysis of miRNA/mRNA network in placenta identifies key factors associated with labor onset of Large White and Qingping sows. *Scientific Reports*, **2015**, 5, 13074	4.9	10
11	SIRT1 inhibits adipogenesis and promotes myogenic differentiation in C3H10T1/2 pluripotent cells by regulating Wnt signaling. *Cell and Bioscience*, **2015**, 5, 61	9.8	33
10	Cloning and characterization of spliced variants of the porcine G protein coupled receptor 120. *BioMed Research International*, **2015**, 2015, 813816	3	15
9	Effects of Dietary Supplementation of Oregano Essential Oil to Sows on Oxidative Stress Status, Lactation Feed Intake of Sows, and Piglet Performance. *BioMed Research International*, **2015**, 2015, 525218	3	47
8	KLF13 promotes porcine adipocyte differentiation through PPARγ activation. *Cell and Bioscience*, **2015**, 5, 28	9.8	38

7	Mature miR-183, negatively regulated by transcription factor GATA3, promotes 3T3-L1 adipogenesis through inhibition of the canonical Wnt/β-catenin signaling pathway by targeting LRP6. *Cellular Signalling*, **2014**, 26, 1155-65	4.9	41
6	miR-135a-5p inhibits 3T3-L1 adipogenesis through activation of canonical Wnt/β-catenin signaling. *Journal of Molecular Endocrinology*, **2014**, 52, 311-20	4.5	45
5	MicroRNAs: emerging roles in adipogenesis and obesity. *Cellular Signalling*, **2014**, 26, 1888-96	4.9	112
4	Role of histone acetyltransferases and histone deacetylases in adipocyte differentiation and adipogenesis. *European Journal of Cell Biology*, **2014**, 93, 170-7	6.1	45
3	Methionine metabolism in piglets Fed DL-methionine or its hydroxy analogue was affected by distribution of enzymes oxidizing these sources to keto-methionine. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 2008-14	5.7	22
2	Effects of dl-2-hydroxy-4-methylthiobutyrate on the first-pass intestinal metabolism of dietary methionine and its extra-intestinal availability. *British Journal of Nutrition*, **2010**, 103, 643-51	3.6	19
1	The effect of linseed on intramuscular fat content and adipogenesis related genes in skeletal muscle of pigs. *Lipids*, **2009**, 44, 999-1010	1.6	33