

# Jian Peng

## List of Publications by Citations

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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	MicroRNAs: emerging roles in adipogenesis and obesity. <i>Cellular Signalling</i> , <b>2014</b> , 26, 1888-96	4.9	112
95	Recent Advances in Understanding Amino Acid Sensing Mechanisms that Regulate mTORC1. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	59
94	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. <i>BioMed Research International</i> , <b>2016</b> , 2016, 5436738	3	55
93	SIRT1 suppresses adipogenesis by activating Wnt/ $\beta$ -catenin signaling in vivo and in vitro. <i>Oncotarget</i> , <b>2016</b> , 7, 77707-77720	3.3	52
92	Maternal Soluble Fiber Diet during Pregnancy Changes the Intestinal Microbiota, Improves Growth Performance, and Reduces Intestinal Permeability in Piglets. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	51
91	Zfp217 mediates m6A mRNA methylation to orchestrate transcriptional and post-transcriptional regulation to promote adipogenic differentiation. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 6130-6144	20.1	50
90	Oregano Essential Oil Induces SOD1 and GSH Expression through Nrf2 Activation and Alleviates Hydrogen Peroxide-Induced Oxidative Damage in IPEC-J2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 5987183	6.7	50
89	Effects of Dietary Supplementation of Oregano Essential Oil to Sows on Oxidative Stress Status, Lactation Feed Intake of Sows, and Piglet Performance. <i>BioMed Research International</i> , <b>2015</b> , 2015, 5252318	4.8	47
88	Inclusion of Konjac Flour in the Gestation Diet Changes the Gut Microbiota, Alleviates Oxidative Stress, and Improves Insulin Sensitivity in Sows. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 5899-909	4.8	45
87	miR-135a-5p inhibits 3T3-L1 adipogenesis through activation of canonical Wnt/ $\beta$ -catenin signaling. <i>Journal of Molecular Endocrinology</i> , <b>2014</b> , 52, 311-20	4.5	45
86	Role of histone acetyltransferases and histone deacetylases in adipocyte differentiation and adipogenesis. <i>European Journal of Cell Biology</i> , <b>2014</b> , 93, 170-7	6.1	45
85	Mature miR-183, negatively regulated by transcription factor GATA3, promotes 3T3-L1 adipogenesis through inhibition of the canonical Wnt/ $\beta$ -catenin signaling pathway by targeting LRP6. <i>Cellular Signalling</i> , <b>2014</b> , 26, 1155-65	4.9	41
84	Metabolic Syndrome During Perinatal Period in Sows and the Link With Gut Microbiota and Metabolites. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1989	5.7	39
83	KLF13 promotes porcine adipocyte differentiation through PPAR $\alpha$ activation. <i>Cell and Bioscience</i> , <b>2015</b> , 5, 28	9.8	38
82	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. <i>Meat Science</i> , <b>2017</b> , 133, 103-109	6.4	34
81	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. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 11601-11611	5.7	34
80	SIRT1 inhibits adipogenesis and promotes myogenic differentiation in C3H10T1/2 pluripotent cells by regulating Wnt signaling. <i>Cell and Bioscience</i> , <b>2015</b> , 5, 61	9.8	33

79	The effect of linseed on intramuscular fat content and adipogenesis related genes in skeletal muscle of pigs. <i>Lipids</i> , <b>2009</b> , 44, 999-1010	1.6	33
78	MiR-377 promotes white adipose tissue inflammation and decreases insulin sensitivity in obesity via suppression of sirtuin-1 (SIRT1). <i>Oncotarget</i> , <b>2017</b> , 8, 70550-70563	3.3	32
77	The epigenetic regulation of embryonic myogenesis and adult muscle regeneration by histone methylation modification. <i>Biochemistry and Biophysics Reports</i> , <b>2016</b> , 6, 209-219	2.2	32
76	miR-221 negatively regulates inflammation and insulin sensitivity in white adipose tissue by repression of sirtuin-1 (SIRT1). <i>Journal of Cellular Biochemistry</i> , <b>2018</b> , 119, 6418-6428	4.7	32
75	GPR120 promotes adipogenesis through intracellular calcium and extracellular signal-regulated kinase 1/2 signal pathway. <i>Molecular and Cellular Endocrinology</i> , <b>2016</b> , 434, 1-13	4.4	31
74	Antioxidative peptides of hydrolysate prepared from fish skin gelatin using ginger protease activate antioxidant response element-mediated gene transcription in IPEC-J2 cells. <i>Journal of Functional Foods</i> , <b>2018</b> , 51, 104-112	5.1	31
73	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. <i>Livestock Science</i> , <b>2016</b> , 192, 33-38	1.7	28
72	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. <i>British Journal of Nutrition</i> , <b>2016</b> , 115, 2236-45	3.6	28
71	Early-Life Intervention Using Fecal Microbiota Combined with Probiotics Promotes Gut Microbiota Maturation, Regulates Immune System Development, and Alleviates Weaning Stress in Piglets. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	25
70	Excessive backfat of sows at 109 d of gestation induces lipotoxic placental environment and is associated with declining reproductive performance. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 250-257	0.7	24
69	Effects of dietary fibers with high water-binding capacity and swelling capacity on gastrointestinal functions, food intake and body weight in male rats. <i>Food and Nutrition Research</i> , <b>2017</b> , 61, 1308118	3.1	22
68	Oregano Essential Oil Attenuates RAW264.7 Cells From Lipopolysaccharide-Induced Inflammatory Response through Regulating NADPH Oxidase Activation-Driven Oxidative Stress. <i>Molecules</i> , <b>2018</b> , 23,	4.8	22
67	Methionine metabolism in piglets Fed DL-methionine or its hydroxy analogue was affected by distribution of enzymes oxidizing these sources to keto-methionine. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 2008-14	5.7	22
66	GPR120: a critical role in adipogenesis, inflammation, and energy metabolism in adipose tissue. <i>Cellular and Molecular Life Sciences</i> , <b>2017</b> , 74, 2723-2733	10.3	21
65	FSGHF3 and peptides, prepared from fish skin gelatin, exert a protective effect on DSS-induced colitis via the Nrf2 pathway. <i>Food and Function</i> , <b>2020</b> , 11, 414-423	6.1	20
64	Effects of dietary oregano essential oil and vitamin E supplementation on meat quality, stress response and intestinal morphology in pigs following transport stress. <i>Journal of Veterinary Medical Science</i> , <b>2017</b> , 79, 328-335	1.1	19
63	Effects of dl-2-hydroxy-4-methylthiobutyrate on the first-pass intestinal metabolism of dietary methionine and its extra-intestinal availability. <i>British Journal of Nutrition</i> , <b>2010</b> , 103, 643-51	3.6	19
62	Effects of Different Probiotics on Laying Performance, Egg Quality, Oxidative Status, and Gut Health in Laying Hens. <i>Animals</i> , <b>2019</b> , 9,	3.1	19

61	MicroRNA-215 impairs adipocyte differentiation and co-represses FNDC3B and CTNNBIP1. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 79, 104-112	5.6	18
60	Maternal obesity aggravates the abnormality of porcine placenta by increasing N-methyladenosine. <i>International Journal of Obesity</i> , <b>2018</b> , 42, 1812-1820	5.5	18
59	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. <i>Animals</i> , <b>2018</b> , 8,	3.1	17
58	Soluble Fiber with High Water-Binding Capacity, Swelling Capacity, and Fermentability Reduces Food Intake by Promoting Satiety Rather Than Satiation in Rats. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	16
57	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. <i>Nutrients</i> , <b>2016</b> , 9,	6.7	15
56	Cloning and characterization of spliced variants of the porcine G protein coupled receptor 120. <i>BioMed Research International</i> , <b>2015</b> , 2015, 813816	3	15
55	Identification of zinc finger protein Bcl6 as a novel regulator of early adipose commitment. <i>Open Biology</i> , <b>2016</b> , 6,	7	14
54	Caprylic acid and nonanoic acid upregulate endogenous host defense peptides to enhance intestinal epithelial immunological barrier function via histone deacetylase inhibition. <i>International Immunopharmacology</i> , <b>2018</b> , 65, 303-311	5.8	14
53	Myostatin inhibits eEF2K-eEF2 by regulating AMPK to suppress protein synthesis. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 494, 278-284	3.4	13
52	The effects of reduced dietary protein level on amino acid transporters and mTOR signaling pathway in pigs. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 485, 319-327	3.4	12
51	Combined Soluble Fiber-Mediated Intestinal Microbiota Improve Insulin Sensitivity of Obese Mice. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	12
50	GPA Peptide-Induced Nur77 Localization at Mitochondria Inhibits Inflammation and Oxidative Stress through Activating Autophagy in the Intestine. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 4964202	6.7	11
49	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. <i>International Immunopharmacology</i> , <b>2018</b> , 58, 64-71	5.8	10
48	Transcriptional response of porcine skeletal muscle to feeding a linseed-enriched diet to growing pigs. <i>Journal of Animal Science and Biotechnology</i> , <b>2016</b> , 7, 6	6	10
47	Integrated analysis of miRNA/mRNA network in placenta identifies key factors associated with labor onset of Large White and Qingping sows. <i>Scientific Reports</i> , <b>2015</b> , 5, 13074	4.9	10
46	GPA peptide inhibits NLRP3 inflammasome activation to ameliorate colitis through AMPK pathway. <i>Aging</i> , <b>2020</b> , 12, 18522-18544	5.6	10
45	Molecular cloning, expression pattern analysis of porcine Rb1 gene and its regulatory roles during primary dedifferentiated fat cells adipogenic differentiation. <i>General and Comparative Endocrinology</i> , <b>2015</b> , 214, 77-86	3	9
44	Maternal eicosapentaenoic acid feeding promotes placental angiogenesis through a Sirtuin-1 independent inflammatory pathway. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2019</b> , 1864, 147-157	5	9

43	Eicosapentaenoic acid abolishes inhibition of insulin-induced mTOR phosphorylation by LPS via PTP1B downregulation in skeletal muscle. <i>Molecular and Cellular Endocrinology</i> , <b>2017</b> , 439, 116-125	4.4	8
42	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. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
41	Gut health: The results of microbial and mucosal immune interactions in pigs. <i>Animal Nutrition</i> , <b>2021</b> , 7, 282-294	4.8	8
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. <i>British Journal of Nutrition</i> , <b>2017</b> , 117, 911-922	3.6	7
39	Dietary n-6:n-3 ratio and Vitamin E improve motility characteristics in association with membrane properties of boar spermatozoa. <i>Asian Journal of Andrology</i> , <b>2017</b> , 19, 223-229	2.8	7
38	Role of arachidonic acid-derived eicosanoids in intestinal innate immunity. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 61, 2399-2410	11.5	7
37	Lower dietary n-6 : n-3 ratio and high-dose vitamin E supplementation improve sperm morphology and oxidative stress in boars. <i>Reproduction, Fertility and Development</i> , <b>2017</b> , 29, 940-949	1.8	6
36	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. <i>Animals</i> , <b>2019</b> , 9,	3.1	6
35	Multi-level mixed models for evaluating factors affecting the mortality and weaning weight of piglets in large-scale commercial farms in central China. <i>Animal Science Journal</i> , <b>2018</b> , 89, 760-769	1.8	6
34	Maternal Eicosapentaenoic Acid Feeding Decreases Placental Lipid Deposition and Improves the Homeostasis of Oxidative Stress Through a Sirtuin-1 (SIRT1) Independent Manner. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1900343	5.9	6
33	Oxidative Stress and Inflammation in Sows with Excess Backfat: Up-Regulated Cytokine Expression and Elevated Oxidative Stress Biomarkers in Placenta. <i>Animals</i> , <b>2019</b> , 9,	3.1	6
32	GPA peptide enhances Nur77 expression in intestinal epithelial cells to exert a protective effect against DSS-induced colitis. <i>FASEB Journal</i> , <b>2020</b> , 34, 15364-15378	0.9	6
31	Gly-Pro-Ala peptide and FGSHF3 exert protective effects in DON-induced toxicity and intestinal damage via decreasing oxidative stress. <i>Food Research International</i> , <b>2021</b> , 139, 109840	7	6
30	Effects of Different Methionine Sources on Methionine Metabolism in the IPEC-J2 Cells. <i>BioMed Research International</i> , <b>2019</b> , 2019, 5464906	3	5
29	E4BP4 mediates glucocorticoid-regulated adipogenesis through COX2. <i>Molecular and Cellular Endocrinology</i> , <b>2017</b> , 450, 43-53	4.4	4
28	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. <i>Journal of Animal Science and Biotechnology</i> , <b>2019</b> , 10, 76	6	4
27	Logistic regression analysis of the related factors in discarded semen of boars in Southern China. <i>Theriogenology</i> , <b>2019</b> , 131, 47-51	2.8	4
26	Histone H3 Methyltransferase Suv39h1 Prevents Myogenic Terminal Differentiation by Repressing MEF2 Activity in Muscle Cells. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	4

25	The inflammation regulation effects of <i>Enterococcus faecium</i> HDRsEF1 on human enterocyte-like HT-29 cells. <i>Animal Cells and Systems</i> , <b>2016</b> , 20, 70-76	2.3	4
24	Effect of gestation dietary methionine/lysine ratio on placental angiogenesis and reproductive performance of sows <sup>1</sup> . <i>Journal of Animal Science</i> , <b>2019</b> , 97, 3487-3497	0.7	3
23	Microelements in seminal and serum plasma are associated with fresh semen quality in Yorkshire boars. <i>Theriogenology</i> , <b>2019</b> , 132, 88-94	2.8	3
22	Effect of Sows Gestational Methionine/Lysine Ratio on Maternal and Placental Hydrogen Sulfide Production. <i>Animals</i> , <b>2020</b> , 10,	3.1	3
21	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. <i>Lipids in Health and Disease</i> , <b>2017</b> , 16, 164	4.4	3
20	Analysis of influencing factors of boar claw lesion and lameness. <i>Animal Science Journal</i> , <b>2018</b> , 89, 802-809		3
19	Serum and Seminal Plasma Element Concentrations in Relation to Semen Quality in Duroc Boars. <i>Biological Trace Element Research</i> , <b>2019</b> , 189, 85-94	4.5	3
18	Role of bioactive peptides derived from food proteins in programmed cell death to treat inflammatory diseases and cancer. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-19	11.5	3
17	Obesity of Sows at Late Pregnancy Aggravates Metabolic Disorder of Perinatal Sows and Affects Performance and Intestinal Health of Piglets. <i>Animals</i> , <b>2019</b> , 10,	3.1	3
16	Gut Microbiological Disorders Reduce Semen Utilization Rate in Duroc Boars. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 581926	5.7	3
15	Linear model analysis of the influencing factors of boar longevity in Southern China. <i>Theriogenology</i> , <b>2017</b> , 93, 105-110	2.8	2
14	Function analysis of Mef2c promoter in muscle differentiation. <i>Biotechnology and Applied Biochemistry</i> , <b>2017</b> , 64, 647-656	2.8	2
13	Hydratability and improved fermentability in vitro of guar gum by combination of xanthan gum. <i>Carbohydrate Polymers</i> , <b>2021</b> , 258, 117625	10.3	2
12	Elevated Systemic and Intestinal Inflammatory Response Are Associated With Gut Microbiome Disorder After Cardiovascular Surgery. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 686648	5.7	2
11	Identification of novel regulatory GRE-binding elements in the porcine IP3R1 gene promoter and their transcriptional activation under glucocorticoid stimulation. <i>General and Comparative Endocrinology</i> , <b>2017</b> , 249, 71-81	3	1
10	Inclusion of Soluble Fiber During Gestation Regulates Gut Microbiota, Improves Bile Acid Homeostasis, and Enhances the Reproductive Performance of Sows. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 756910	3.1	1
9	The Effect of Functional Fiber on Microbiota Composition in Different Intestinal Segments of Obese Mice. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
8	Effects of palmitic acid and eicosapentaenoic acid on angiogenesis of porcine vascular endothelial cells. <i>Veterinary Medicine and Science</i> , <b>2021</b> , 7, 2260-2267	2.1	1

7	Effect of gestation dietary methionine-to-lysine ratio on methionine metabolism and antioxidant ability of high-prolific sows. <i>Animal Nutrition</i> , <b>2021</b> , 7, 849-858	4.8	1
6	Effects of different amino acid levels and a carvacrol-thymol blend on growth performance and intestinal health of weaned pigs.. <i>Journal of Animal Science and Biotechnology</i> , <b>2022</b> , 13, 22	6	0
5	Effects on the Cell Barrier Function of L-Met and DL-HMTBA Is Related to Metabolic Characteristics and mA Modification.. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 836069	6.2	0
4	Diallyl Trisulfide Promotes Placental Angiogenesis by Regulating Lipid Metabolism and Alleviating Inflammatory Responses in Obese Pregnant Mice. <i>Nutrients</i> , <b>2022</b> , 14, 2230	6.7	0
3	Simultaneous Quantification of Methionine-Related Metabolites and Co-factors in IPEC-J2 and PIEC Cells by LCMS/MS. <i>Chromatographia</i> , <b>2020</b> , 83, 361-371	2.1	
2	Establishment of a multilevel linear model to analyse the factors affecting piglet litter performance at birth. <i>Reproduction in Domestic Animals</i> , <b>2021</b> , 56, 278-286	1.6	
1	NR4A1 suppresses pyroptosis by transcriptionally inhibiting NLRP3 and IL-1 $\beta$ and co-localizing with NLRP3 in trans-Golgi to alleviate pathogenic bacteria-induced colitis.. <i>Clinical and Translational Medicine</i> , <b>2021</b> , 11, e639	5.7	