

Hong-kui Wei

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.

84
papers

1,464
citations

25
h-index

33
g-index

89
ext. papers

1,977
ext. citations

4.7
avg, IF

4.86
L-index

#	Paper	IF	Citations
84	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> , 2022 , 13, 22	6	0
83	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> , 2022 , 9, 836069	6.2	0
82	Diallyl Trisulfide Promotes Placental Angiogenesis by Regulating Lipid Metabolism and Alleviating Inflammatory Responses in Obese Pregnant Mice. <i>Nutrients</i> , 2022 , 14, 2230	6.7	0
81	Role of arachidonic acid-derived eicosanoids in intestinal innate immunity. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 61, 2399-2410	11.5	7
80	Hydratability and improved fermentability in vitro of guar gum by combination of xanthan gum. <i>Carbohydrate Polymers</i> , 2021 , 258, 117625	10.3	2
79	The Effect of Functional Fiber on Microbiota Composition in Different Intestinal Segments of Obese Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
78	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> , 2021 , 139, 109840	7	6
77	Establishment of a multilevel linear model to analyse the factors affecting piglet litter performance at birth. <i>Reproduction in Domestic Animals</i> , 2021 , 56, 278-286	1.6	
76	Elevated Systemic and Intestinal Inflammatory Response Are Associated With Gut Microbiome Disorder After Cardiovascular Surgery. <i>Frontiers in Microbiology</i> , 2021 , 12, 686648	5.7	2
75	Effect of gestation dietary methionine-to-lysine ratio on methionine metabolism and antioxidant ability of high-prolific sows. <i>Animal Nutrition</i> , 2021 , 7, 849-858	4.8	1
74	NR4A1 suppresses pyroptosis by transcriptionally inhibiting NLRP3 and IL-1 β and co-localizing with NLRP3 in trans-Golgi to alleviate pathogenic bacteria-induced colitis.. <i>Clinical and Translational Medicine</i> , 2021 , 11, e639	5.7	
73	Early Intervention Using Fecal Microbiota Transplantation Combined with Probiotics Influence the Growth Performance, Diarrhea, and Intestinal Barrier Function of Piglets. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 568	2.6	4
72	Effect of Sows Gestational Methionine/Lysine Ratio on Maternal and Placental Hydrogen Sulfide Production. <i>Animals</i> , 2020 , 10,	3.1	3
71	Application of plant essential oils in pig diets 2020 , 227-237		1
70	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> , 2020 , 21,	6.3	25
69	GPA peptide inhibits NLRP3 inflammasome activation to ameliorate colitis through AMPK pathway. <i>Aging</i> , 2020 , 12, 18522-18544	5.6	10
68	Combined Soluble Fiber-Mediated Intestinal Microbiota Improve Insulin Sensitivity of Obese Mice. <i>Nutrients</i> , 2020 , 12,	6.7	12

67	Simultaneous Quantification of Methionine-Related Metabolites and Co-factors in IPEC-J2 and PIEC Cells by LCMS/MS. <i>Chromatographia</i> , 2020 , 83, 361-371	2.1	
66	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> , 2020 , 11, 414-423	6.1	20
65	GPA peptide enhances Nur77 expression in intestinal epithelial cells to exert a protective effect against DSS-induced colitis. <i>FASEB Journal</i> , 2020 , 34, 15364-15378	0.9	6
64	Gut Microbiological Disorders Reduce Semen Utilization Rate in Duroc Boars. <i>Frontiers in Microbiology</i> , 2020 , 11, 581926	5.7	3
63	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> , 2020 , 2020, 4964202	6.7	11
62	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> , 2019 , 10, 76	6	4
61	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> , 2019 , 9,	3.1	6
60	Microelements in seminal and serum plasma are associated with fresh semen quality in Yorkshire boars. <i>Theriogenology</i> , 2019 , 132, 88-94	2.8	3
59	Zfp217 mediates m6A mRNA methylation to orchestrate transcriptional and post-transcriptional regulation to promote adipogenic differentiation. <i>Nucleic Acids Research</i> , 2019 , 47, 6130-6144	20.1	50
58	Logistic regression analysis of the related factors in discarded semen of boars in Southern China. <i>Theriogenology</i> , 2019 , 131, 47-51	2.8	4
57	Serum and Seminal Plasma Element Concentrations in Relation to Semen Quality in Duroc Boars. <i>Biological Trace Element Research</i> , 2019 , 189, 85-94	4.5	3
56	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> , 2019 , 63, e1900343	5.9	6
55	Effects of Different Methionine Sources on Methionine Metabolism in the IPEC-J2 Cells. <i>BioMed Research International</i> , 2019 , 2019, 5464906	3	5
54	Oxidative Stress and Inflammation in Sows with Excess Backfat: Up-Regulated Cytokine Expression and Elevated Oxidative Stress Biomarkers in Placenta. <i>Animals</i> , 2019 , 9,	3.1	6
53	Effects of Different Probiotics on Laying Performance, Egg Quality, Oxidative Status, and Gut Health in Laying Hens. <i>Animals</i> , 2019 , 9,	3.1	19
52	Applications of new functions for inducing host defense peptides and synergy sterilization of medium chain fatty acids in substituting in-feed antibiotics. <i>Journal of Functional Foods</i> , 2019 , 52, 348-359	5.1	11
51	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> , 2019 , 1864, 147-157	5	9
50	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> , 2018 , 89, 760-769	1.8	6

49	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> , 2018 , 96, 250-257	0.7	24
48	Analysis of influencing factors of boar claw lesion and lameness. <i>Animal Science Journal</i> , 2018 , 89, 802-809		3
47	Blend of organic acids and medium chain fatty acids prevents the inflammatory response and intestinal barrier dysfunction in mice challenged with enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>International Immunopharmacology</i> , 2018 , 58, 64-71	5.8	10
46	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> , 2018 , 84,	4.8	51
45	miR-221 negatively regulates inflammation and insulin sensitivity in white adipose tissue by repression of sirtuin-1 (SIRT1). <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 6418-6428	4.7	32
44	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> , 2018 , 51, 104-112	5.1	31
43	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> , 2018 , 66, 11601-11611	5.7	34
42	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> , 2018 , 65, 303-311	5.8	14
41	Metabolic Syndrome During Perinatal Period in Sows and the Link With Gut Microbiota and Metabolites. <i>Frontiers in Microbiology</i> , 2018 , 9, 1989	5.7	39
40	Maternal obesity aggravates the abnormality of porcine placenta by increasing N-methyladenosine. <i>International Journal of Obesity</i> , 2018 , 42, 1812-1820	5.5	18
39	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> , 2017 , 29, 940-949	1.8	6
38	Linear model analysis of the influencing factors of boar longevity in Southern China. <i>Theriogenology</i> , 2017 , 93, 105-110	2.8	2
37	GPR120: a critical role in adipogenesis, inflammation, and energy metabolism in adipose tissue. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 2723-2733	10.3	21
36	E4BP4 mediates glucocorticoid-regulated adipogenesis through COX2. <i>Molecular and Cellular Endocrinology</i> , 2017 , 450, 43-53	4.4	4
35	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> , 2017 , 117, 911-922	3.6	7
34	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> , 2017 , 61, 1308118	3.1	22
33	Myostatin inhibits eEF2K-eEF2 by regulating AMPK to suppress protein synthesis. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 494, 278-284	3.4	13
32	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> , 2017 , 16, 164	4.4	3

31	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> , 2017 , 133, 103-109	6.4	34
30	Eicosapentaenoic acid abolishes inhibition of insulin-induced mTOR phosphorylation by LPS via PTP1B downregulation in skeletal muscle. <i>Molecular and Cellular Endocrinology</i> , 2017 , 439, 116-125	4.4	8
29	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> , 2017 , 19, 223-229	2.8	7
28	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> , 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. <i>Livestock Science</i> , 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. <i>British Journal of Nutrition</i> , 2016 , 115, 2236-45	3.6	28
25	Transcriptional response of porcine skeletal muscle to feeding a linseed-enriched diet to growing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2016 , 7, 6	6	10
24	GPR120 promotes adipogenesis through intracellular calcium and extracellular signal-regulated kinase 1/2 signal pathway. <i>Molecular and Cellular Endocrinology</i> , 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. <i>Nutrients</i> , 2016 , 9,	6.7	15
22	SIRT1 suppresses adipogenesis by activating Wnt/ β -catenin signaling in vivo and in vitro. <i>Oncotarget</i> , 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. <i>Oxidative Medicine and Cellular Longevity</i> , 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. <i>BioMed Research International</i> , 2016 , 2016, 5436738	3	55
19	Recent Advances in Understanding Amino Acid Sensing Mechanisms that Regulate mTORC1. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	59
18	Methionine Regulates mTORC1 via the T1R1/T1R3-PLC β Ca-ERK1/2 Signal Transduction Process in C2C12 Cells. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	29
17	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> , 2016 , 8,	6.7	16
16	Identification of zinc finger protein Bcl6 as a novel regulator of early adipose commitment. <i>Open Biology</i> , 2016 , 6,	7	14
15	Oregano essential oil decreased susceptibility to oxidative stress-induced dysfunction of intestinal epithelial barrier in rats. <i>Journal of Functional Foods</i> , 2015 , 18, 1191-1199	5.1	32
14	Activation of PPAR α by PPAR δ through a functional PPRE in transdifferentiation of myoblasts to adipocytes induced by EPA. <i>Cell Cycle</i> , 2015 , 14, 1830-41	4.7	23

13	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> , 2015 , 214, 77-86	3	9
12	Metabolomics analysis of muscle from piglets fed low protein diets supplemented with branched chain amino acids using HPLC-high-resolution MS. <i>Electrophoresis</i> , 2015 , 36, 2250-2258	3.6	10
11	SIRT1 inhibits adipogenesis and promotes myogenic differentiation in C3H10T1/2 pluripotent cells by regulating Wnt signaling. <i>Cell and Bioscience</i> , 2015 , 5, 61	9.8	33
10	Cloning and characterization of spliced variants of the porcine G protein coupled receptor 120. <i>BioMed Research International</i> , 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. <i>BioMed Research International</i> , 2015 , 2015, 525238	3.8	47
8	KLF13 promotes porcine adipocyte differentiation through PPAR δ activation. <i>Cell and Bioscience</i> , 2015 , 5, 28	9.8	38
7	Free fatty acid receptor GPR120 and pathogenesis of obesity and type 2 diabetes mellitus. <i>Progress in Molecular Biology and Translational Science</i> , 2013 , 114, 251-76	4	25
6	Feeding a DHA-enriched diet increases skeletal muscle protein synthesis in growing pigs: association with increased skeletal muscle insulin action and local mRNA expression of insulin-like growth factor 1. <i>British Journal of Nutrition</i> , 2013 , 110, 671-80	3.6	36
5	Transcriptome comparison between porcine subcutaneous and intramuscular stromal vascular cells during adipogenic differentiation. <i>PLoS ONE</i> , 2013 , 8, e77094	3.7	33
4	EPA inhibits the inhibitor of $\text{IKK}\beta$ /NF- κ B/muscle RING finger 1 pathway in C2C12 myotubes in a PPAR δ dependent manner. <i>British Journal of Nutrition</i> , 2011 , 105, 348-56	3.6	28
3	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> , 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. <i>British Journal of Nutrition</i> , 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. <i>Lipids</i> , 2009 , 44, 999-1010	1.6	33