

Hong-kui Wei

List of Publications by Year in descending order

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88
papers

2,393
citations

172207

29
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243296

44
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89
all docs

89
docs citations

89
times ranked

3119
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.5	101
2	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, .	1.4	95
3	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, 1-11.	0.9	86
4	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, 1-9.	0.9	84
5	Recent Advances in Understanding Amino Acid Sensing Mechanisms that Regulate mTORC1. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1636.	1.8	79
6	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, 1-13.	1.9	73
7	SIRT1 suppresses adipogenesis by activating Wnt/ β -catenin signaling in vivo and in vitro. <i>Oncotarget</i> , 2016, 7, 77707-77720.	0.8	73
8	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, 5899-5909.	1.4	71
9	Metabolic Syndrome During Perinatal Period in Sows and the Link With Gut Microbiota and Metabolites. <i>Frontiers in Microbiology</i> , 2018, 9, 1989.	1.5	71
10	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, 503.	1.8	57
11	Effect of oregano essential oil supplementation to a reduced-protein, amino acid-supplemented diet on meat quality, fatty acid composition, and oxidative stability of <i>Longissimus thoracis</i> muscle in growing-finishing pigs. <i>Meat Science</i> , 2017, 133, 103-109.	2.7	54
12	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.	1.6	50
13	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.	1.2	49
14	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.	2.4	48
15	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, 671-680.	1.2	47
16	SIRT1 inhibits adipogenesis and promotes myogenic differentiation in C3H10T1/2 pluripotent cells by regulating Wnt signaling. <i>Cell and Bioscience</i> , 2015, 5, 61.	2.1	47
17	KLF13 promotes porcine adipocyte differentiation through PPAR γ activation. <i>Cell and Bioscience</i> , 2015, 5, 28.	2.1	46
18	Effects of Different Probiotics on Laying Performance, Egg Quality, Oxidative Status, and Gut Health in Laying Hens. <i>Animals</i> , 2019, 9, 1110.	1.0	44

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19	Transcriptome Comparison between Porcine Subcutaneous and Intramuscular Stromal Vascular Cells during Adipogenic Differentiation. <i>PLoS ONE</i> , 2013, 8, e77094.	1.1	43
20	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.	1.6	43
21	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.	0.6	42
22	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.	1.6	41
23	The Effect of Linseed on Intramuscular Fat Content and Adipogenesis Related Genes in Skeletal Muscle of Pigs. <i>Lipids</i> , 2009, 44, 999-1010.	0.7	39
24	Methionine Regulates mTORC1 via the T1R1/T1R3-PLC β -Ca ²⁺ -ERK1/2 Signal Transduction Process in C2C12 Cells. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1684.	1.8	39
25	Excessive backfat of sows at 109 d of gestation induces lipotoxic placental environment and is associated with declining reproductive performance ¹ . <i>Journal of Animal Science</i> , 2018, 96, 250-257.	0.2	39
26	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.	2.1	37
27	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, 2236-2245.	1.2	35
28	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.	1.2	35
29	GPR120: a critical role in adipogenesis, inflammation, and energy metabolism in adipose tissue. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2723-2733.	2.4	34
30	GPA peptide inhibits NLRP3 inflammasome activation to ameliorate colitis through AMPK pathway. <i>Aging</i> , 2020, 12, 18522-18544.	1.4	34
31	EPA inhibits the inhibitor of β -casein/NF- κ B/muscle RING finger 1 pathway in C2C12 myotubes in a PPAR γ -dependent manner. <i>British Journal of Nutrition</i> , 2011, 105, 348-356.	1.2	33
32	Maternal obesity aggravates the abnormality of porcine placenta by increasing N6-methyladenosine. <i>International Journal of Obesity</i> , 2018, 42, 1812-1820.	1.6	29
33	Methionine Metabolism in Piglets Fed α -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, 2008-2014.	2.4	28
34	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.	1.7	28
35	Combined Soluble Fiber-Mediated Intestinal Microbiota Improve Insulin Sensitivity of Obese Mice. <i>Nutrients</i> , 2020, 12, 351.	1.7	28
36	Effects of α -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, 643-651.	1.2	27

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37	Activation of PPAR β by PPAR γ through a functional PPRE in transdifferentiation of myoblasts to adipocytes induced by EPA. <i>Cell Cycle</i> , 2015, 14, 1830-1841.	1.3	27
38	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, 251-276.	0.9	26
39	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.	1.7	26
40	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, 615.	1.7	25
41	Myostatin inhibits eEF2K-eEF2 by regulating AMPK to suppress protein synthesis. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 278-284.	1.0	22
42	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> , 2017, 9, 17.	1.7	22
43	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.	2.9	21
44	Identification of zinc finger protein Bcl6 as a novel regulator of early adipose commitment. <i>Open Biology</i> , 2016, 6, 160065.	1.5	18
45	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.	0.2	18
46	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.	2.1	17
47	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, 1-18.	1.9	17
48	Cloning and Characterization of Spliced Variants of the Porcine G Protein Coupled Receptor 120. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	15
49	Role of arachidonic acid-derived eicosanoids in intestinal innate immunity. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2399-2410.	5.4	15
50	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.	1.6	14
51	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.	1.6	14
52	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.	1.2	14
53	Serum and Seminal Plasma Element Concentrations in Relation to Semen Quality in Duroc Boars. <i>Biological Trace Element Research</i> , 2019, 189, 85-94.	1.9	13
54	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, 160.	1.0	13

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55	Gut Microbiological Disorders Reduce Semen Utilization Rate in Duroc Boars. <i>Frontiers in Microbiology</i> , 2020, 11, 581926.	1.5	13
56	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.	0.8	13
57	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.	1.3	12
58	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, 796.	1.0	12
59	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.	1.3	12
60	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.	2.1	11
61	Microelements in seminal and serum plasma are associated with fresh semen quality in Yorkshire boars. <i>Theriogenology</i> , 2019, 132, 88-94.	0.9	11
62	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.	0.8	10
63	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.	1.2	10
64	Effects of Different Methionine Sources on Methionine Metabolism in the IPEC-J2 Cells. <i>BioMed Research International</i> , 2019, 2019, 1-11.	0.9	9
65	Hydratability and improved fermentability in vitro of guar gum by combination of xanthan gum. <i>Carbohydrate Polymers</i> , 2021, 258, 117625.	5.1	9
66	Elevated Systemic and Intestinal Inflammatory Response Are Associated With Gut Microbiome Disorder After Cardiovascular Surgery. <i>Frontiers in Microbiology</i> , 2021, 12, 686648.	1.5	9
67	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.	0.1	8
68	E4BP4 mediates glucocorticoid-regulated adipogenesis through COX2. <i>Molecular and Cellular Endocrinology</i> , 2017, 450, 43-53.	1.6	8
69	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.	1.2	8
70	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.	0.6	8
71	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.	2.1	8
72	Analysis of influencing factors of boar claw lesion and lameness. <i>Animal Science Journal</i> , 2018, 89, 802-809.	0.6	7

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73	Maternal Eicosapentaenoic Acid Feeding Decreases Placental Lipid Deposition and Improves the Homeostasis of Oxidative Stress Through a Sirtuinâ€1 (SIRT1) Independent Manner. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900343.	1.5	6
74	Logistic regression analysis of the related factors in discarded semen of boars in Southern China. <i>Theriogenology</i> , 2019, 131, 47-51.	0.9	6
75	The Effect of Functional Fiber on Microbiota Composition in Different Intestinal Segments of Obese Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6525.	1.8	6
76	Circulating Exosomal miR-221 from Maternal Obesity Inhibits Angiogenesis via Targeting Angptl2. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10343.	1.8	6
77	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.	2.1	6
78	NR4A1 suppresses pyroptosis by transcriptionally inhibiting NLRP3 and ILâ€1â€Î² and co-localizing with NLRP3 in transâ€Golgi to alleviate pathogenic bacteriaâ€induced colitis. <i>Clinical and Translational Medicine</i> , 2021, 11, e639.	1.7	6
79	Diallyl Trisulfide Promotes Placental Angiogenesis by Regulating Lipid Metabolism and Alleviating Inflammatory Responses in Obese Pregnant Mice. <i>Nutrients</i> , 2022, 14, 2230.	1.7	6
80	Linear model analysis of the influencing factors of boar longevity in Southern China. <i>Theriogenology</i> , 2017, 93, 105-110.	0.9	5
81	Logistic Regression Analysis Factors Affecting Sperm Motility and Abnormal Sperm Morphology in Boars. <i>Animals</i> , 2019, 9, 1004.	1.0	5
82	Application of plant essential oils in pig diets. , 2020, , 227-237.		5
83	Effect of Sows Gestational Methionine/Lysine Ratio on Maternal and Placental Hydrogen Sulfide Production. <i>Animals</i> , 2020, 10, 251.	1.0	4
84	Bioactive triple peptide inhibits inflammasome activation to alleviate <i>Salmonella</i> -induced intestinal inflammation in mice <i>via</i> modulation of host defense and bacterial virulence. <i>Food and Function</i> , 2022, 13, 3512-3525.	2.1	3
85	Effects on the Cell Barrier Function of L-Met and DL-HMTBA Is Related to Metabolic Characteristics and m6A Modification. <i>Frontiers in Nutrition</i> , 2022, 9, 836069.	1.6	3
86	Effects of Dietary Lysine Levels on Production Performance and Milk Composition of High-Producing Sows during Lactation. <i>Animals</i> , 2020, 10, 1947.	1.0	1
87	Simultaneous Quantification of Methionine-Related Metabolites and Co-factors in IPEC-J2 and PIEC Cells by LCâ€MS/MS. <i>Chromatographia</i> , 2020, 83, 361-371.	0.7	1
88	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.	0.6	0