

# Yong Zhuo

## List of Publications by Year in descending order

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107  
papers

1,780  
citations

279701

23  
h-index

414303

32  
g-index

107  
all docs

107  
docs citations

107  
times ranked

1480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibroblast growth factor 21 attenuates iron overload-induced liver injury and fibrosis by inhibiting ferroptosis. <i>Redox Biology</i> , 2021, 46, 102131.	3.9	106
2	Maternal Dietary Fiber Composition during Gestation Induces Changes in Offspring Antioxidative Capacity, Inflammatory Response, and Gut Microbiota in a Sow Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 31.	1.8	56
3	A Growth-Maturation System That Enhances the Meiotic and Developmental Competence of Porcine Oocytes Isolated from Small Follicles <sup>1</sup> . <i>Biology of Reproduction</i> , 2006, 75, 547-554.	1.2	49
4	Microbial Mechanistic Insight into the Role of Inulin in Improving Maternal Health in a Pregnant Sow Model. <i>Frontiers in Microbiology</i> , 2017, 8, 2242.	1.5	46
5	Endoplasmic Reticulum Stress Inducer Tunicamycin Alters Hepatic Energy Homeostasis in Mice. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1710.	1.8	43
6	Fibroblast growth factor 21 coordinates adiponectin to mediate the beneficial effects of low-protein diet on primordial follicle reserve. <i>EBioMedicine</i> , 2019, 41, 623-635.	2.7	43
7	Fish Oil and Olive Oil Supplementation in Late Pregnancy and Lactation Differentially Affect Oxidative Stress and Inflammation in Sows and Piglets. <i>Lipids</i> , 2015, 50, 647-658.	0.7	42
8	Effects of dietary lysozyme levels on growth performance, intestinal morphology, non-specific immunity and mRNA expression in weanling piglets. <i>Animal Science Journal</i> , 2016, 87, 411-418.	0.6	42
9	Inclusion of purified dietary fiber during gestation improved the reproductive performance of sows. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 47.	2.1	38
10	Undernutrition Shapes the Gut Microbiota and Bile Acid Profile in Association with Altered Gut-Liver FXR Signaling in Weaning Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3691-3701.	2.4	36
11	Dietary supplementation of <i>Bacillus subtilis</i> PB6 improves sow reproductive performance and reduces piglet birth intervals. <i>Animal Nutrition</i> , 2020, 6, 278-287.	2.1	34
12	Improving maternal vitamin D status promotes prenatal and postnatal skeletal muscle development of pig offspring. <i>Nutrition</i> , 2016, 32, 1144-1152.	1.1	33
13	Maternal methyl donor supplementation during gestation counteracts bisphenol A-induced oxidative stress in sows and offspring. <i>Nutrition</i> , 2018, 45, 76-84.	1.1	33
14	Influence of dietary fat source on sow and litter performance, colostrum and milk fatty acid profile in late gestation and lactation. <i>Animal Science Journal</i> , 2017, 88, 1768-1778.	0.6	32
15	Maternal supplementation of organic selenium during gestation improves sows and offspring antioxidant capacity and inflammatory status and promotes embryo survival. <i>Food and Function</i> , 2020, 11, 7748-7761.	2.1	30
16	Effects of dietary supplementation with exogenous catalase on growth performance, oxidative stress, and hepatic apoptosis in weaned piglets challenged with lipopolysaccharide. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	30
17	Effects of maternal over- and undernutrition on intestinal morphology, enzyme activity, and gene expression of nutrient transporters in newborn and weaned pigs. <i>Nutrition</i> , 2014, 30, 1442-1447.	1.1	29
18	Effects of the Ratio of Insoluble Fiber to Soluble Fiber in Gestation Diets on Sow Performance and Offspring Intestinal Development. <i>Animals</i> , 2019, 9, 422.	1.0	28

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19	The Effect of Oxidative Stress on the Chicken Ovary: Involvement of Microbiota and Melatonin Interventions. <i>Antioxidants</i> , 2021, 10, 1422.	2.2	28
20	Effect of High Fat Dietary Intake during Maternal Gestation on Offspring Ovarian Health in a Pig Model. <i>Nutrients</i> , 2016, 8, 498.	1.7	27
21	Identification of hepatic fibroblast growth factor 21 as a mediator in 17 $\beta$ -estradiol-induced white adipose tissue browning. <i>FASEB Journal</i> , 2018, 32, 5602-5611.	0.2	27
22	Effects of dietary <i>Clostridium butyricum</i> addition to sows in late gestation and lactation on reproductive performance and intestinal microbiota. <i>Journal of Animal Science</i> , 2019, 97, 3426-3439.	0.2	26
23	Effects of increased energy and amino acid intake in late gestation on reproductive performance, milk composition, metabolic, and redox status of sows. <i>Journal of Animal Science</i> , 2019, 97, 2914-2926.	0.2	26
24	Feeding prepubescent gilts a high-fat diet induces molecular changes in the hypothalamus-pituitary-gonadal axis and predicts early timing of puberty. <i>Nutrition</i> , 2014, 30, 890-896.	1.1	25
25	Maternal organic selenium supplementation alleviates LPS induced inflammation, autophagy and ER stress in the thymus and spleen of offspring piglets by improving the expression of selenoproteins. <i>Food and Function</i> , 2021, 12, 11214-11228.	2.1	25
26	Effect of benzoic acid on production performance, egg quality, intestinal morphology, and cecal microbial community of laying hens. <i>Poultry Science</i> , 2021, 100, 196-205.	1.5	24
27	Nutrient restriction induces failure of reproductive function and molecular changes in hypothalamus-pituitary-gonadal axis in postpubertal gilts. <i>Molecular Biology Reports</i> , 2014, 41, 4733-4742.	1.0	23
28	Resveratrol protects boar sperm <i>in vitro</i> via its antioxidant capacity. <i>Zygote</i> , 2020, 28, 417-424.	0.5	23
29	<i>Enterococcus faecium</i> NCIMB 10415 administration improves the intestinal health and immunity in neonatal piglets infected by enterotoxigenic <i>Escherichia coli</i> K88. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 72.	2.1	22
30	A novel follicle-stimulating hormone vaccine for controlling fat accumulation. <i>Theriogenology</i> , 2020, 148, 103-111.	0.9	22
31	Effects of silymarin supplementation during transition and lactation on reproductive performance, milk composition and haematological parameters in sows. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1896-1903.	1.0	21
32	Time-restricted feeding improves the reproductive function of female mice via liver fibroblast growth factor 21. <i>Clinical and Translational Medicine</i> , 2020, 10, e195.	1.7	21
33	Organic Selenium Increased Gilts Antioxidant Capacity, Immune Function, and Changed Intestinal Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 723190.	1.5	20
34	Methyl donors dietary supplementation to gestating sows diet improves the growth rate of offspring and is associating with changes in expression and DNA methylation of insulin-like growth factor-1 gene. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1340-1350.	1.0	19
35	The beneficial effect of fiber supplementation in high- or low-fat diets on fetal development and antioxidant defense capacity in the rat. <i>European Journal of Nutrition</i> , 2012, 51, 19-27.	1.8	18
36	Targeted metabolomics analysis of maternal-placental-fetal metabolism in pregnant swine reveals links in fetal bile acid homeostasis and sulfation capacity. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, G8-G16.	1.6	17

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37	Effect of maternal organic selenium supplementation during pregnancy on sow reproductive performance and long-term effect on their progeny. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	17
38	Gut microbial metabolism of dietary fibre protects against high energy feeding induced ovarian follicular atresia in a pig model. <i>British Journal of Nutrition</i> , 2021, 125, 38-49.	1.2	17
39	Maternal organic selenium supplementation during gestation improves the antioxidant capacity and reduces the inflammation level in the intestine of offspring through the NF- $\kappa$ B and ERK/Beclin-1 pathways. <i>Food and Function</i> , 2021, 12, 315-327.	2.1	17
40	Metformin improves boar sperm quality via 5 $\alpha$ -AMP-activated protein kinase-mediated energy metabolism &in vitro. <i>Zoological Research</i> , 2020, 41, 527-538.	0.9	17
41	Polyamines protect boar sperm from oxidative stress in vitro. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	17
42	A Maternal High-Energy Diet Promotes Intestinal Development and Intrauterine Growth of Offspring. <i>Nutrients</i> , 2016, 8, 258.	1.7	16
43	Catch-up growth following food restriction exacerbates adulthood glucose intolerance in pigs exposed to in utero undernutrition. <i>Nutrition</i> , 2016, 32, 1275-1284.	1.1	16
44	Effects of oil quality and antioxidant supplementation on sow performance, milk composition and oxidative status in serum and placenta. <i>Lipids in Health and Disease</i> , 2017, 16, 107.	1.2	16
45	Live yeast supplementation during late gestation and lactation affects reproductive performance, colostrum and milk composition, blood biochemical and immunological parameters of sows. <i>Animal Nutrition</i> , 2020, 6, 288-292.	2.1	16
46	Dietary supplementation with <i>Lactobacillus plantarum</i> modified gut microbiota, bile acid profile and glucose homeostasis in weaning piglets. <i>British Journal of Nutrition</i> , 2020, 124, 797-808.	1.2	16
47	Dietary Intake Regulates White Adipose Tissues Angiogenesis via Liver Fibroblast Growth Factor 21 in Male Mice. <i>Endocrinology</i> , 2021, 162, .	1.4	15
48	Comparative effects of enzymatic soybean, fish meal and milk powder in diets on growth performance, immunological parameters, SCFAs production and gut microbiome of weaned piglets. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 106.	2.1	15
49	Differences in plasma metabolomics between sows fed dl-methionine and its hydroxy analogue reveal a strong association of milk composition and neonatal growth with maternal methionine nutrition. <i>British Journal of Nutrition</i> , 2015, 113, 585-595.	1.2	14
50	Beneficial effects of dietary soluble fiber supplementation in replacement gilts: Pubertal onset and subsequent performance. <i>Animal Reproduction Science</i> , 2017, 186, 11-20.	0.5	14
51	Dietary fiber sources for gestation sows: Evaluations based on combined in vitro and in vivo methodology. <i>Animal Feed Science and Technology</i> , 2020, 269, 114636.	1.1	14
52	Effects of dietary soluble or insoluble fiber intake in late gestation on litter performance, milk composition, immune function, and redox status of sows around parturition. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	14
53	Effects of a Diet Supplemented with Exogenous Catalase from <i>Penicillium notatum</i> on Intestinal Development and Microbiota in Weaned Piglets. <i>Microorganisms</i> , 2020, 8, 391.	1.6	14
54	Dietary tributyrin improves reproductive performance, antioxidant capacity, and ovary function of broiler breeders. <i>Poultry Science</i> , 2021, 100, 101429.	1.5	14

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55	Valine supplementation during late pregnancy in gilts increases colostral protein synthesis through stimulating mTOR signaling pathway in mammary cells. <i>Amino Acids</i> , 2019, 51, 1547-1559.	1.2	13
56	Fecal bacteria and metabolite responses to dietary lysozyme in a sow model from late gestation until lactation. <i>Scientific Reports</i> , 2020, 10, 3210.	1.6	13
57	Effects of dietary fiber supplementation in gestation diets on sow performance, physiology and milk composition for successive three parities. <i>Animal Feed Science and Technology</i> , 2021, 276, 114945.	1.1	13
58	Effects of Maternal Fiber Intake on Intestinal Morphology, Bacterial Profile and Proteome of Newborns Using Pig as Model. <i>Nutrients</i> , 2021, 13, 42.	1.7	13
59	Dietary nucleotides supplementation during the suckling period improves the antioxidative ability of neonates with intrauterine growth retardation when using a pig model. <i>RSC Advances</i> , 2018, 8, 16152-16160.	1.7	12
60	Effects of yeast culture supplementation from late gestation to weaning on performance of lactating sows and growth of nursing piglets. <i>Animal</i> , 2022, 16, 100526.	1.3	12
61	High nutrient intake during the early postnatal period accelerates skeletal muscle fiber growth and maturity in intrauterine growth-restricted pigs. <i>Genes and Nutrition</i> , 2018, 13, 23.	1.2	11
62	Glucose activates the primordial follicle through the AMPK/mTOR signaling pathway. <i>Clinical and Translational Medicine</i> , 2020, 10, e122.	1.7	11
63	Dietary fiber in a low-protein diet during gestation affects nitrogen excretion in primiparous gilts, with possible influences from the gut microbiota. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	11
64	Influence of extrusion of corn and broken rice on energy content and growth performance of weaning pigs. <i>Animal Science Journal</i> , 2016, 87, 1386-1395.	0.6	10
65	Substitution of soybean meal with detoxified <i>Jatropha curcas</i> kernel meal: Effects on performance, nutrient utilization, and meat edibility of growing pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 888-898.	2.4	10
66	Metabolomic Profiling Reveals the Difference on Reproductive Performance between High and Low Lactational Weight Loss Sows. <i>Metabolites</i> , 2019, 9, 295.	1.3	10
67	Resveratrol Alleviating the Ovarian Function Under Oxidative Stress by Alternating Microbiota Related Tryptophan-Kynurenine Pathway. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
68	Effects of dietary supplementation with lysozyme during late gestation and lactation stage on the performance of sows and their offspring <sup>1</sup> . <i>Journal of Animal Science</i> , 2018, 96, 4768-4779.	0.2	9
69	Net absorption and liver metabolism of amino acids and heat production of portal-drained viscera and liver in multiparous sows during transition and lactation. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 5.	2.1	9
70	Responses of Vaginal Microbiota to Dietary Supplementation with Lysozyme and its Relationship with Rectal Microbiota and Sow Performance from Late Gestation to Early Lactation. <i>Animals</i> , 2021, 11, 593.	1.0	9
71	Effects of Melatonin Supplementation during Pregnancy on Reproductive Performance, Maternal "Placental" Fetal Redox Status, and Placental Mitochondrial Function in a Sow Model. <i>Antioxidants</i> , 2021, 10, 1867.	2.2	9
72	Interpretation of Fiber Supplementation on Offspring Testicular Development in a Pregnant Sow Model from a Proteomics Perspective. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4549.	1.8	8

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73	Differential responses of weaned piglets to supplemental porcine or chicken plasma in diets without inclusion of antibiotics and zinc oxide. <i>Animal Nutrition</i> , 2021, 7, 1173-1181.	2.1	8
74	Transcriptome Profiling of Placenta through Pregnancy Reveals Dysregulation of Bile Acids Transport and Detoxification Function. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4099.	1.8	7
75	Effects of Fat Supplementation during Gestation on Reproductive Performance, Milk Composition of Sows and Intestinal Development of their Offspring. <i>Animals</i> , 2019, 9, 125.	1.0	7
76	The differences in energy metabolism and redox status between sows with short and long farrowing duration. <i>Animal</i> , 2021, 15, 100355.	1.3	7
77	Long-term maternal intake of inulin exacerbated the intestinal damage and inflammation of offspring rats in a DSS-induced colitis model. <i>Food and Function</i> , 2022, 13, 4047-4060.	2.1	7
78	Microbial Mechanistic Insights into the Role of Sweet Potato Vine on Improving Health in Chinese Meishan Gilt Model. <i>Animals</i> , 2019, 9, 632.	1.0	6
79	Optimal Dietary Fiber Intake to Retain a Greater Ovarian Follicle Reserve for Gilts. <i>Animals</i> , 2019, 9, 881.	1.0	6
80	Characterization of the Intestinal Microbiota of Broiler Breeders With Different Egg Laying Rate. <i>Frontiers in Veterinary Science</i> , 2020, 7, 599337.	0.9	6
81	Beneficial effects of a decreased meal frequency on nutrient utilization, secretion of luteinizing hormones and ovarian follicular development in gilts. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 41.	2.1	6
82	Effects of Organic Chromium Yeast on Performance, Meat Quality, and Serum Parameters of Grow-Finish Pigs. <i>Biological Trace Element Research</i> , 2023, 201, 1188-1196.	1.9	6
83	The Improvement of Semen Quality by Dietary Fiber Intake Is Positively Related With Gut Microbiota and SCFA in a Boar Model. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	6
84	Dietary Fiber Supplementation in Gestating Sow Diet Improved Fetal Growth and Placental Development and Function Through Serotonin Signaling Pathway. <i>Frontiers in Veterinary Science</i> , 2022, 9, .	0.9	6
85	Effect of Sweet Potato Vine on the Onset of Puberty and Follicle Development in Chinese Meishan Gilts. <i>Animals</i> , 2019, 9, 297.	1.0	5
86	Soybean bioactive peptides supplementation during late gestation and lactation affect the reproductive performance, free amino acid composition in plasma and milk of sows. <i>Livestock Science</i> , 2020, 237, 104064.	0.6	5
87	Proteomic analysis reveals key proteins involved in arginine promotion of testicular development in boars. <i>Theriogenology</i> , 2020, 154, 181-189.	0.9	5
88	Effects of Corn and Broken Rice Extrusion on the Feed Intake, Nutrient Digestibility, and Gut Microbiota of Weaned Piglets. <i>Animals</i> , 2022, 12, 818.	1.0	5
89	Maternal high fat intake affects the development and transcriptional profile of fetal intestine in late gestation using pig model. <i>Lipids in Health and Disease</i> , 2016, 15, 90.	1.2	4
90	Ursolic acid induces the production of IL6 and chemokines in both adipocytes and adipose tissue. <i>Adipocyte</i> , 2020, 9, 523-534.	1.3	4

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91	Methionine Protects Mammary Cells against Oxidative Stress through Producing S-Adenosylmethionine to Maintain mTORC1 Signaling Activity. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	4
92	Microbial and metabolomic mechanisms mediating the effects of dietary inulin and cellulose supplementation on porcine oocyte and uterine development. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 14.	2.1	4
93	Effects of Dietary Fiber, Crude Protein Level, and Gestation Stage on the Nitrogen Utilization of Multiparous Gestating Sows. <i>Animals</i> , 2022, 12, 1543.	1.0	4
94	Dietary apple pectic oligosaccharide improves reproductive performance, antioxidant capacity, and ovary function of broiler breeders. <i>Poultry Science</i> , 2021, 100, 100976.	1.5	3
95	Deprivation of Dietary Fiber Enhances Susceptibility of Piglets to Lung Immune Stress. <i>Frontiers in Nutrition</i> , 2022, 9, 827509.	1.6	3
96	The improvement of parturition duration by high intake of dietary fibre in late gestation is associated with gut microbiota and metabolome in sows. <i>British Journal of Nutrition</i> , 2022, 128, 2341-2352.	1.2	3
97	Maternal energy insufficiency affects testicular development of the offspring in a swine model. <i>Scientific Reports</i> , 2019, 9, 14533.	1.6	2
98	Effects of Dietary Choline Levels During Pregnancy on Reproductive Performance, Plasma Metabolome and Gut Microbiota of Sows. <i>Frontiers in Veterinary Science</i> , 2021, 8, 771228.	0.9	2
99	Maternal Long-Term Intake of Inulin Improves Fetal Development through Gut Microbiota and Related Metabolites in a Rat Model. <i>Journal of Agricultural and Food Chemistry</i> , 2022, , .	2.4	2
100	Dietary Fibre Supplementation Improves Semen Production by Increasing Leydig Cells and Testosterone Synthesis in a Growing Boar Model. <i>Frontiers in Veterinary Science</i> , 2022, 9, 850685.	0.9	2
101	RNA-seq coupling two different methods of castration reveals new insights into androgen deficiency-caused degeneration of submaxillary gland in male Sprague Dawley rats. <i>BMC Genomics</i> , 2022, 23, 279.	1.2	2
102	Effects of Chronic Exposure to Diets Containing Moldy Corn or Moldy Wheat Bran on Growth Performance, Ovarian Follicular Pool, and Oxidative Status of Gilts. <i>Toxins</i> , 2022, 14, 413.	1.5	2
103	The Impact of Enhancing Diet Quality or Dietary Supplementation of Flavor and Multi-Enzymes on Primiparous Lactating Sows. <i>Animals</i> , 2022, 12, 1493.	1.0	2
104	Maternal cholecalciferol supplementation during gestation improves antioxidant capacities in gilts and piglets. <i>Italian Journal of Animal Science</i> , 2021, 20, 1201-1210.	0.8	1
105	Arginine promotes testicular development in boars through nitric oxide and putrescine. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2022, 106, 266-275.	1.0	1
106	Dietary Fiber Supplementation in Replacement Gilts Improves the Reproductive Performance From the Second to Fifth Parities. <i>Frontiers in Veterinary Science</i> , 2022, 9, 839926.	0.9	1
107	Effects of Energy and Dietary Fiber on the Breast Development in Gilt. <i>Frontiers in Veterinary Science</i> , 2022, 9, 830392.	0.9	0