

Xiao Xu

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,401
citations

186265

28
h-index

223800

46
g-index

79
all docs

79
docs citations

79
times ranked

2668
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of intestinal stem cell homeostasis by nutrients: a novel therapeutic option for intestinal diseases. <i>Nutrition Research Reviews</i> , 2022, 35, 150-158.	4.1	5
2	EPA and DHA confer protection against deoxynivalenol-induced endoplasmic reticulum stress and iron imbalance in IPEC-1 cells. <i>British Journal of Nutrition</i> , 2022, 128, 161-171.	2.3	12
3	Glycine alleviated diquat-induced hepatic injury via inhibiting ferroptosis in weaned piglets. <i>Animal Bioscience</i> , 2022, 35, 938-947.	2.0	4
4	Holly polyphenols attenuate liver injury, suppression inflammation and oxidative stress in lipopolysaccharide-challenged weaned pigs. <i>Food and Agricultural Immunology</i> , 2022, 33, 35-46.	1.4	2
5	Glutamate attenuates lipopolysaccharide induced intestinal barrier injury by regulating corticotropin-releasing factor pathway in weaned pigs. <i>Animal Bioscience</i> , 2022, 35, 1235-1249.	2.0	3
6	Lysine-Specific Demethylase 1 in Energy Metabolism: A Novel Target for Obesity. <i>Journal of Nutrition</i> , 2022, 152, 1611-1620.	2.9	4
7	Long-chain PUFA ameliorate enterotoxigenic <i>Escherichia coli</i> -induced intestinal inflammation and cell injury by modulating pyroptosis and necroptosis signaling pathways in porcine intestinal epithelial cells. <i>British Journal of Nutrition</i> , 2022, 128, 835-850.	2.3	5
8	A Comparison of Two Supplementary Doses of Vitamin A on Performance, Intestine and Immune Organ Development, as well as Gene Expression of Inflammatory Factors in Young Hy-Line Brown Laying Pullets. <i>Animals</i> , 2022, 12, 1271.	2.3	2
9	Polyphenols Sourced from <i>Ilex latifolia</i> Thunb. Relieve Intestinal Injury via Modulating Ferroptosis in Weanling Piglets under Oxidative Stress. <i>Antioxidants</i> , 2022, 11, 966.	5.1	13
10	Developmental changes of free amino acids in amniotic, allantoic fluids and yolk of broiler embryo. <i>British Poultry Science</i> , 2022, 63, 857-863.	1.7	3
11	Construction and analysis for dys-regulated lncRNAs and mRNAs in LPS-induced porcine PBMCs. <i>Innate Immunity</i> , 2021, 27, 170-183.	2.4	1
12	Necroptosis is active and contributes to intestinal injury in a piglet model with lipopolysaccharide challenge. <i>Cell Death and Disease</i> , 2021, 12, 62.	6.3	43
13	Necroptosis Underlies Hepatic Damage in a Piglet Model of Lipopolysaccharide-Induced Sepsis. <i>Frontiers in Immunology</i> , 2021, 12, 633830.	4.8	23
14	Metabolic Regulation of Intestinal Stem Cell Homeostasis. <i>Trends in Cell Biology</i> , 2021, 31, 325-327.	7.9	11
15	Effect of Baicalin on Transcriptome Changes in Piglet Vascular Endothelial Cells Induced by a Combination of <i>Glaesserella parasuis</i> and Lipopolysaccharide. <i>DNA and Cell Biology</i> , 2021, 40, 776-790.	1.9	2
16	Xylooligosaccharide attenuates lipopolysaccharide-induced intestinal injury in piglets via suppressing inflammation and modulating cecal microbial communities. <i>Animal Nutrition</i> , 2021, 7, 609-620.	5.1	28
17	Effect of flaxseed oil on muscle protein loss and carbohydrate oxidation impairment in a pig model after lipopolysaccharide challenge. <i>British Journal of Nutrition</i> , 2020, 123, 859-869.	2.3	11
18	EPA and DHA attenuate deoxynivalenol-induced intestinal porcine epithelial cell injury and protect barrier function integrity by inhibiting necroptosis signaling pathway. <i>FASEB Journal</i> , 2020, 34, 2483-2496.	0.5	41

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19	Docosahexaenoic acid alleviates cell injury and improves barrier function by suppressing necroptosis signalling in TNF- α -challenged porcine intestinal epithelial cells. <i>Innate Immunity</i> , 2020, 26, 653-665.	2.4	6
20	Template-Directed Synthesis of Two Dinuclear Ni(II) Complexes together with Their Interconversion, Crystal Structures and DNA-Binding Studies. <i>ChemistrySelect</i> , 2020, 5, 14703-14712.	1.5	0
21	Analysis of microRNA expression profiles in porcine PBMCs after LPS stimulation. <i>Innate Immunity</i> , 2020, 26, 435-446.	2.4	6
22	Holly polyphenols alleviate intestinal inflammation and alter microbiota composition in lipopolysaccharide-challenged pigs. <i>British Journal of Nutrition</i> , 2020, 123, 881-891.	2.3	31
23	Efficient Expression of Human Lysozyme Through the Increased Gene Dosage and Co-expression of Transcription Factor Hac1p in <i>Pichia pastoris</i> . <i>Current Microbiology</i> , 2020, 77, 846-854.	2.2	19
24	Activation of the NF- κ B and MAPK Signaling Pathways Contributes to the Inflammatory Responses, but Not Cell Injury, in IPEC-1 Cells Challenged with Hydrogen Peroxide. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	4.0	34
25	Holly (<i>Ilex latifolia</i> Thunb.) Polyphenols Extracts Alleviate Hepatic Damage by Regulating Ferroptosis Following Diquat Challenge in a Piglet Model. <i>Frontiers in Nutrition</i> , 2020, 7, 604328.	3.7	12
26	Long non-coding RNA profiling in LPS-induced intestinal inflammation model: New insight into pathogenesis. <i>Innate Immunity</i> , 2019, 25, 491-502.	2.4	4
27	Lentinan modulates intestinal microbiota and enhances barrier integrity in a piglet model challenged with lipopolysaccharide. <i>Food and Function</i> , 2019, 10, 479-489.	4.6	64
28	EPA and DHA Inhibit Myogenesis and Downregulate the Expression of Muscle-related Genes in C2C12 Myoblasts. <i>Genes</i> , 2019, 10, 64.	2.4	20
29	Dietary fish oil supplementation alters liver gene expressions to protect against LPS-induced liver injury in weanling piglets. <i>Innate Immunity</i> , 2019, 25, 60-72.	2.4	21
30	Synthesis, Characterization of a Baicalin-Strontium(II) Complex and Its BSA-Binding Activity. <i>ChemistrySelect</i> , 2019, 4, 13079-13088.	1.5	3
31	Fermented cassava bioethanol waste as substitute of protein in diet for growth performance and carcass evaluation on meat ducks. <i>Tropical Animal Health and Production</i> , 2019, 51, 1049-1056.	1.4	2
32	Flaxseed Oil Attenuates Intestinal Damage and Inflammation by Regulating Necroptosis and TLR4/NOD Signaling Pathways Following Lipopolysaccharide Challenge in a Piglet Model. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700814.	3.3	61
33	Medium-chain TAG improve intestinal integrity by suppressing toll-like receptor 4, nucleotide-binding oligomerisation domain proteins and necroptosis signalling in weanling piglets challenged with lipopolysaccharide. <i>British Journal of Nutrition</i> , 2018, 119, 1019-1028.	2.3	29
34	Dietary modulation of endogenous host defense peptide synthesis as an alternative approach to in-feed antibiotics. <i>Animal Nutrition</i> , 2018, 4, 160-169.	5.1	41
35	Medium-Chain Triglycerides Attenuate Liver Injury in Lipopolysaccharide-Challenged Pigs by Inhibiting Necroptotic and Inflammatory Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3697.	4.1	22
36	Glutamate alleviates intestinal injury, maintains mTOR and suppresses TLR4 and NOD signaling pathways in weanling pigs challenged with lipopolysaccharide. <i>Scientific Reports</i> , 2018, 8, 15124.	3.3	29

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37	Glycine Relieves Intestinal Injury by Maintaining mTOR Signaling and Suppressing AMPK, TLR4, and NOD Signaling in Weaned Piglets after Lipopolysaccharide Challenge. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1980.	4.1	33
38	The effect of dietary asparagine supplementation on energy metabolism in liver of weaning pigs when challenged with lipopolysaccharide. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 548-555.	2.4	13
39	Aspartate attenuates intestinal injury and inhibits TLR4 and NODs/NF- κ B and p38 signaling in weaned pigs after LPS challenge. <i>European Journal of Nutrition</i> , 2017, 56, 1433-1443.	3.9	48
40	Effects of Chromium Methionine Supplementation with Different Sources of Zinc on Growth Performance, Carcass Traits, Meat Quality, Serum Metabolites, Endocrine Parameters, and the Antioxidant Status in Growing-Finishing Pigs. <i>Biological Trace Element Research</i> , 2017, 179, 70-78.	3.5	30
41	Determination and prediction of the digestible and metabolisable energy content of barley for growing pigs based on chemical composition. <i>Archives of Animal Nutrition</i> , 2017, 71, 108-119.	1.8	6
42	Roles of amino acids in preventing and treating intestinal diseases: recent studies with pig models. <i>Amino Acids</i> , 2017, 49, 1277-1291.	2.7	54
43	Effects of the standardized ileal digestible valine:lysine ratio on performance, milk composition and plasma indices of lactating sows. <i>Animal Science Journal</i> , 2017, 88, 1082-1092.	1.4	18
44	Asparagine preserves intestinal barrier function from LPS-induced injury and regulates CRF/CRFR signaling pathway. <i>Innate Immunity</i> , 2017, 23, 546-556.	2.4	24
45	Apparent and standardized ileal digestibility of amino acids in diverse barley cultivars fed to growing pigs. <i>Animal Science Journal</i> , 2017, 88, 1994-2000.	1.4	3
46	Aspartate inhibits LPS-induced MAFbx and MuRF1 expression in skeletal muscle in weaned pigs by regulating Akt, AMPK \pm and FOXO1. <i>Innate Immunity</i> , 2017, 23, 34-43.	2.4	9
47	Effect of <i>Forsythia suspensa</i> extract and chito-oligosaccharide alone or in combination on performance, intestinal barrier function, antioxidant capacity and immune characteristics of weaned piglets. <i>Animal Science Journal</i> , 2017, 88, 854-862.	1.4	32
48	<i>Forsythia suspensa</i> extract attenuates lipopolysaccharide-induced inflammatory liver injury in rats via promoting antioxidant defense mechanisms. <i>Animal Science Journal</i> , 2017, 88, 873-881.	1.4	33
49	Therapeutic Potential of Amino Acids in Inflammatory Bowel Disease. <i>Nutrients</i> , 2017, 9, 920.	4.1	118
50	Glutamate alleviates muscle protein loss by modulating TLR4, NODs, Akt/FOXO and mTOR signaling pathways in LPS-challenged piglets. <i>PLoS ONE</i> , 2017, 12, e0182246.	2.5	13
51	Partial dehulling increases the energy content and nutrient digestibility of barley in growing pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 562-568.	2.4	4
52	Comparative energy content and amino acid digestibility of barley obtained from diverse sources fed to growing pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 999-1005.	2.4	6
53	Effects of Coated Compound Proteases on Apparent Total Tract Digestibility of Nutrients and Apparent Ileal Digestibility of Amino Acids for Pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2016, 29, 1761-1767.	2.4	31
54	Effects of Flavomycin, <i>Bacillus licheniformis</i> and Enramycin on Performance, Nutrient Digestibility, Gut Morphology and the Intestinal Microflora of Broilers. <i>Journal of Poultry Science</i> , 2016, 53, 128-135.	1.6	11

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55	Dietary Supplementation with L-Asparagine Activates mTOR Signaling and Enhances Energy Status in Skeletal Muscle of Lipopolysaccharide-Challenged Piglets. <i>Journal of Nutrition</i> , 2016, 146, 1514-1520.	2.9	30
56	Fish oil enhances intestinal barrier function and inhibits corticotropin-releasing hormone/corticotropin-releasing hormone receptor 1 signalling pathway in weaned pigs after lipopolysaccharide challenge. <i>British Journal of Nutrition</i> , 2016, 115, 1947-1957.	2.3	22
57	Asparagine reduces the mRNA expression of muscle atrophy markers via regulating protein kinase B (Akt), AMP-activated protein kinase α , toll-like receptor 4 and nucleotide-binding oligomerisation domain protein signalling in weaning piglets after lipopolysaccharide challenge. <i>British Journal of Nutrition</i> , 2016, 116, 1188-1198.	2.3	10
58	Asparagine improves intestinal integrity, inhibits TLR4 and NOD signaling, and differently regulates p38 and ERK1/2 signaling in weaning piglets after LPS challenge. <i>Innate Immunity</i> , 2016, 22, 577-587.	2.4	39
59	Glycine enhances muscle protein mass associated with maintaining Akt-mTOR-FOXO1 signaling and suppressing TLR4 and NOD2 signaling in piglets challenged with LPS. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R365-R373.	1.8	34
60	Validation of metabolisable energy prediction equation for de-oiled corn distillers dried grains with solubles fed to finishing pigs. <i>Italian Journal of Animal Science</i> , 2016, 15, 55-61.	1.9	3
61	Asparagine attenuates intestinal injury, improves energy status and inhibits AMP-activated protein kinase signalling pathways in weaned piglets challenged with <i>Escherichia coli</i> lipopolysaccharide. <i>British Journal of Nutrition</i> , 2015, 114, 553-565.	2.3	62
62	Asparagine attenuates hepatic injury caused by lipopolysaccharide in weaned piglets associated with modulation of Toll-like receptor 4 and nucleotide-binding oligomerisation domain protein signalling and their negative regulators. <i>British Journal of Nutrition</i> , 2015, 114, 189-201.	2.3	15
63	Fatty acids, inflammation and intestinal health in pigs. <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 41.	5.3	119
64	Comparison of spray-dried egg and albumen powder with conventional animal protein sources as feed ingredients in diets fed to weaned pigs. <i>Animal Science Journal</i> , 2015, 86, 772-781.	1.4	20
65	Beneficial roles of dietary oleum cinnamomi in alleviating intestinal injury. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 814-828.	3.0	24
66	Super High Dosing with a Novel Buttiauxella Phytase Continuously Improves Growth Performance, Nutrient Digestibility, and Mineral Status of Weaned Pigs. <i>Biological Trace Element Research</i> , 2015, 168, 103-109.	3.5	27
67	Effects of essential oil supplementation of a low-energy diet on performance, intestinal morphology and microflora, immune properties and antioxidant activities in weaned pigs. , 2015, 86, 279.		1
68	Dietary N-acetylcysteine supplementation alleviates liver injury in lipopolysaccharide-challenged piglets. <i>British Journal of Nutrition</i> , 2014, 111, 46-54.	2.3	51
69	Dietary supplementation with tributyrin alleviates intestinal injury in piglets challenged with intrarectal administration of acetic acid. <i>British Journal of Nutrition</i> , 2014, 111, 1748-1758.	2.3	62
70	Dietary supplementation of aspartate enhances intestinal integrity and energy status in weaning piglets after lipopolysaccharide challenge. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 456-462.	4.2	107
71	Forsythia suspensa extract attenuates corticosterone-induced growth inhibition, oxidative injury, and immune depression in broilers. <i>Poultry Science</i> , 2014, 93, 1774-1781.	3.4	32
72	Aspartate alleviates liver injury and regulates mRNA expressions of TLR4 and NOD signaling-related genes in weaned pigs after lipopolysaccharide challenge. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 592-599.	4.2	43

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73	Fish Oil Alleviates Activation of the Hypothalamic-Pituitary-Adrenal Axis Associated with Inhibition of TLR4 and NOD Signaling Pathways in Weaned Piglets after a Lipopolysaccharide Challenge. <i>Journal of Nutrition</i> , 2013, 143, 1799-1807.	2.9	21
74	Fish Oil Increases Muscle Protein Mass and Modulates Akt/FOXO, TLR4, and NOD Signaling in Weanling Piglets After Lipopolysaccharide Challenge ^{1&#x2013;3} . <i>Journal of Nutrition</i> , 2013, 143, 1331-1339.	2.9	60
75	Fish oil attenuates liver injury caused by LPS in weaned pigs associated with inhibition of TLR4 and nucleotide-binding oligomerization domain protein signaling pathways. <i>Innate Immunity</i> , 2013, 19, 504-515.	2.4	48
76	Fish Oil Enhances Intestinal Integrity and Inhibits TLR4 and NOD2 Signaling Pathways in Weaned Pigs after LPS Challenge ³ . <i>Journal of Nutrition</i> , 2012, 142, 2017-2024.	2.9	218
77	Activation of peroxisome proliferator-activated receptor- β potentiates pro-inflammatory cytokine production, and adrenal and somatotropic changes of weaned pigs after <i>Escherichia coli</i> lipopolysaccharide challenge. <i>Innate Immunity</i> , 2009, 15, 169-178.	2.4	20
78	Increased expression of the peroxisome proliferator-activated receptor β in the immune system of weaned pigs after <i>Escherichia coli</i> lipopolysaccharide injection. <i>Veterinary Immunology and Immunopathology</i> , 2008, 124, 82-92.	1.2	20
79	Dietary arginine supplementation alleviates intestinal mucosal disruption induced by <i>Escherichia coli</i> lipopolysaccharide in weaned pigs. <i>British Journal of Nutrition</i> , 2008, 100, 552-560.	2.3	210