

Shuai Chen

List of Publications by Year in descending order

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64
papers

2,754
citations

172207

29
h-index

189595

50
g-index

66
all docs

66
docs citations

66
times ranked

3077
citing authors

#	ARTICLE	IF	CITATIONS
1	Melatonin reprogramming of gut microbiota improves lipid dysmetabolism in high-fat diet-fed mice. <i>Journal of Pineal Research</i> , 2018, 65, e12524.	3.4	314
2	Dietary Arginine Supplementation of Mice Alters the Microbial Population and Activates Intestinal Innate Immunity. <i>Journal of Nutrition</i> , 2014, 144, 988-995.	1.3	179
3	Melatonin signaling in T cells: Functions and applications. <i>Journal of Pineal Research</i> , 2017, 62, e12394.	3.4	154
4	Serum Amino Acids Profile and the Beneficial Effects of L-Arginine or L-Glutamine Supplementation in Dextran Sulfate Sodium Colitis. <i>PLoS ONE</i> , 2014, 9, e88335.	1.1	128
5	Dietary arginine supplementation enhances intestinal expression of SLC7A7 and SLC7A1 and ameliorates growth depression in mycotoxin-challenged pigs. <i>Amino Acids</i> , 2014, 46, 883-892.	1.2	113
6	Dietary l-glutamine supplementation modulates microbial community and activates innate immunity in the mouse intestine. <i>Amino Acids</i> , 2014, 46, 2403-2413.	1.2	98
7	Intestinal microbiota mediates Enterotoxigenic <i>Escherichia coli</i> -induced diarrhea in piglets. <i>BMC Veterinary Research</i> , 2018, 14, 385.	0.7	92
8	Glutamine promotes intestinal SIgA secretion through intestinal microbiota and IL-13. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1637-1648.	1.5	72
9	Intestinal Microbiota-Derived GABA Mediates Interleukin-17 Expression during Enterotoxigenic <i>Escherichia coli</i> Infection. <i>Frontiers in Immunology</i> , 2016, 7, 685.	2.2	70
10	Effects of Long-Term Protein Restriction on Meat Quality, Muscle Amino Acids, and Amino Acid Transporters in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9297-9304.	2.4	68
11	Effect of High Dietary Tryptophan on Intestinal Morphology and Tight Junction Protein of Weaned Pig. <i>BioMed Research International</i> , 2016, 2016, 1-6.	0.9	58
12	l-Glutamine and l-arginine protect against enterotoxigenic <i>Escherichia coli</i> infection via intestinal innate immunity in mice. <i>Amino Acids</i> , 2017, 49, 1945-1954.	1.2	56
13	Methionine restriction on oxidative stress and immune response in dss-induced colitis mice. <i>Oncotarget</i> , 2017, 8, 44511-44520.	0.8	55
14	Glutamine-Induced Secretion of Intestinal Secretory Immunoglobulin A: A Mechanistic Perspective. <i>Frontiers in Immunology</i> , 2016, 7, 503.	2.2	54
15	Crosstalk between Tryptophan Metabolism and Cardiovascular Disease, Mechanisms, and Therapeutic Implications. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-5.	1.9	50
16	Betaine Inhibits Interleukin-1 β Production and Release: Potential Mechanisms. <i>Frontiers in Immunology</i> , 2018, 9, 2670.	2.2	49
17	Mouse intestinal innate immune responses altered by enterotoxigenic <i>Escherichia coli</i> (ETEC) infection. <i>Microbes and Infection</i> , 2014, 16, 954-961.	1.0	48
18	Dietary l-glutamine supplementation increases <i>Pasteurella multocida</i> burden and the expression of its major virulence factors in mice. <i>Amino Acids</i> , 2013, 45, 947-955.	1.2	44

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19	GABA transporter sustains IL-1 β production in macrophages. <i>Science Advances</i> , 2021, 7, .	4.7	44
20	Effects of dietary gamma-aminobutyric acid supplementation on the intestinal functions in weaning piglets. <i>Food and Function</i> , 2019, 10, 366-378.	2.1	42
21	Surface methane emissions from different land use types during various water levels in three major drawdown areas of the Three Gorges Reservoir. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	41
22	Metabolic Regulation of Methionine Restriction in Diabetes. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700951.	1.5	41
23	Pyrrolidine Dithiocarbamate Inhibits NF-KappaB Activation and Upregulates the Expression of Gpx1, Gpx4, Occludin, and ZO-1 in DSS-Induced Colitis. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1716-1728.	1.4	39
24	Effects of Lysine deficiency and Lys-Lys dipeptide on cellular apoptosis and amino acids metabolism. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600754.	1.5	38
25	Chitosan Modulates Inflammatory Responses in Rats Infected with Enterotoxigenic <i>Escherichia coli</i> . <i>Mediators of Inflammation</i> , 2016, 2016, 1-6.	1.4	37
26	Effects of dietary microencapsulated tannic acid supplementation on the growth performance, intestinal morphology, and intestinal microbiota in weaning piglets. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	35
27	<i>Macleaya cordata</i> Extract Decreased Diarrhea Score and Enhanced Intestinal Barrier Function in Growing Piglets. <i>BioMed Research International</i> , 2016, 2016, 1-7.	0.9	33
28	The effect of aspartate supplementation on the microbial composition and innate immunity on mice. <i>Amino Acids</i> , 2017, 49, 2045-2051.	1.2	32
29	Chitosan lowers body weight through intestinal microbiota and reduces IL-17 expression via mTOR signalling. <i>Journal of Functional Foods</i> , 2016, 22, 166-176.	1.6	31
30	Effects of dietary protein restriction on muscle fiber characteristics and mTORC1 pathway in the skeletal muscle of growing-finishing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 47.	2.1	29
31	Diurnal variations in iron concentrations and expression of genes involved in iron absorption and metabolism in pigs. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1210-1214.	1.0	29
32	Dietary <i>Saccharomyces cerevisiae</i> Cell Wall Extract Supplementation Alleviates Oxidative Stress and Modulates Serum Amino Acids Profiles in Weaned Piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-7.	1.9	29
33	Metabolomics study of metabolic variations in enterotoxigenic <i>Escherichia coli</i> -infected piglets. <i>RSC Advances</i> , 2015, 5, 59550-59555.	1.7	28
34	Effects of dietary l-glutamine supplementation on specific and general defense responses in mice immunized with inactivated <i>Pasteurella multocida</i> vaccine. <i>Amino Acids</i> , 2014, 46, 2365-2375.	1.2	27
35	Proteome analysis for the global proteins in the jejunum tissues of enterotoxigenic <i>Escherichia coli</i> -infected piglets. <i>Scientific Reports</i> , 2016, 6, 25640.	1.6	26
36	Bacteriostatic Potential of Melatonin: Therapeutic Standing and Mechanistic Insights. <i>Frontiers in Immunology</i> , 2021, 12, 683879.	2.2	25

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37	Toxicity assessment of hydrogen peroxide on Toll-like receptor system, apoptosis, and mitochondrial respiration in piglets and IPEC-J2 cells. <i>Oncotarget</i> , 2017, 8, 3124-3131.	0.8	25
38	Alpha-ketoglutarate (AKG) lowers body weight and affects intestinal innate immunity through influencing intestinal microbiota. <i>Oncotarget</i> , 2017, 8, 38184-38192.	0.8	25
39	Protein-Restricted Diet Regulates Lipid and Energy Metabolism in Skeletal Muscle of Growing Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9412-9420.	2.4	24
40	Effects of dietary tryptophan supplementation in the acetic acid-induced colitis mouse model. <i>Food and Function</i> , 2018, 9, 4143-4152.	2.1	24
41	Draft Genome Sequence of Enterotoxigenic <i>Escherichia coli</i> Strain W25K. <i>Genome Announcements</i> , 2014, 2, .	0.8	23
42	Enterotoxigenic <i>Escherichia coli</i> infection promotes apoptosis in piglets. <i>Microbial Pathogenesis</i> , 2018, 125, 290-294.	1.3	22
43	GABA attenuates ETEC-induced intestinal epithelial cell apoptosis involving GABA _A signaling and the AMPK-autophagy pathway. <i>Food and Function</i> , 2019, 10, 7509-7522.	2.1	22
44	Tannic acid modulates intestinal barrier functions associated with intestinal morphology, antioxidative activity, and intestinal tight junction in a diquat-induced mouse model. <i>RSC Advances</i> , 2019, 9, 31988-31998.	1.7	22
45	Pyrrolidine dithiocarbamate restores gastric damages and suppressive autophagy induced by hydrogen peroxide. <i>Free Radical Research</i> , 2015, 49, 210-218.	1.5	21
46	Interferon Tau Affects Mouse Intestinal Microbiota and Expression of IL-17. <i>Mediators of Inflammation</i> , 2016, 2016, 1-9.	1.4	21
47	Supplementation of branched-chain amino acids in protein-restricted diets modulates the expression levels of amino acid transporters and energy metabolism associated regulators in the adipose tissue of growing pigs. <i>Animal Nutrition</i> , 2016, 2, 24-32.	2.1	21
48	Diurnal variations in polyunsaturated fatty acid contents and expression of genes involved in their de novo synthesis in pigs. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 430-434.	1.0	21
49	Eugenol Alleviates Dextran Sulfate Sodium-Induced Colitis Independent of Intestinal Microbiota in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10506-10514.	2.4	19
50	Dietary Chitosan Supplementation Increases Microbial Diversity and Attenuates the Severity of <i>Citrobacter rodentium</i> Infection in Mice. <i>Mediators of Inflammation</i> , 2016, 2016, 1-7.	1.4	17
51	Melatonin alters amino acid metabolism and inflammatory responses in colitis mice. <i>Amino Acids</i> , 2017, 49, 2065-2071.	1.2	17
52	The Effects of Dietary Glycine on the Acetic Acid-Induced Mouse Model of Colitis. <i>Mediators of Inflammation</i> , 2020, 2020, 1-8.	1.4	17
53	<i>Escherichia coli</i> aggravates endoplasmic reticulum stress and triggers CHOP-dependent apoptosis in weaned pigs. <i>Amino Acids</i> , 2017, 49, 2073-2082.	1.2	16
54	Effects of dietary supplementation with herbal extract mixture on growth performance, organ weight and intestinal morphology in weaning piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1462-1470.	1.0	16

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55	Responses of Intestinal Microbiota and Immunity to Increasing Dietary Levels of Iron Using a Piglet Model. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 603392.	1.8	13
56	Effects of dietary gamma-aminobutyric acid supplementation on amino acid profile, intestinal immunity, and microbiota in ETEC-challenged piglets. <i>Food and Function</i> , 2020, 11, 9067-9074.	2.1	12
57	Enterotoxigenic <i>Escherichia coli</i> infection alters intestinal immunity in mice. <i>Molecular Medicine Reports</i> , 2016, 14, 825-830.	1.1	11
58	Low-protein diets supplemented with glutamic acid or aspartic acid ameliorate intestinal damage in weaned piglets challenged with hydrogen peroxide. <i>Animal Nutrition</i> , 2021, 7, 356-364.	2.1	11
59	Juglone Suppresses Inflammation and Oxidative Stress in Colitis Mice. <i>Frontiers in Immunology</i> , 2021, 12, 674341.	2.2	11
60	Effects of <i>Lactococcus lactis</i> on the Intestinal Functions in Weaning Piglets. <i>Frontiers in Nutrition</i> , 2021, 8, 713256.	1.6	8
61	Intestinal microbiota in growing pigs: effects of stocking density. <i>Food and Agricultural Immunology</i> , 2018, 29, 524-535.	0.7	2
62	l-Arginine and Inflammatory Bowel Diseases (IBD). , 2017, , 331-342.		1
63	Front cover: Glutamine promotes intestinal SIgA secretion through intestinal microbiota and IL-13. <i>Molecular Nutrition and Food Research</i> , 2016, 60, NA-NA.	1.5	0
64	Model Test of the Hydrodynamic Characteristics of Vertical Cambered Double Fold-Line Otter Board. , 2017, , .		0