Jianxin Liu

List of Publications by Year in Descending Order

157 papers	2,655 citations	27 h-index	46 g-index
177 ext. papers	3,729 ext. citations	4.2 avg, IF	5.58 L-index

#	Paper	IF	Citations
157	Investigation of fiber utilization in the rumen of dairy cows based on metagenome-assembled genomes and single-cell RNA sequencing.. *Microbiome*, **2022**, 10, 11	16.6	0
156	Lactic Acid Bacteria Mixture Isolated From Wild Pig Alleviated the Gut Inflammation of Mice Challenged by .. *Frontiers in Immunology*, **2022**, 13, 822754	8.4	0
155	Cross-tissue single-cell transcriptomic landscape reveals the key cell subtypes and their potential roles in the nutrient absorption and metabolism in dairy cattle.. *Journal of Advanced Research*, **2022**, 37, 1-18	13	1
154	Integrated meta-omics reveals new ruminal microbial features associated with feed efficiency in dairy cattle.. *Microbiome*, **2022**, 10, 32	16.6	1
153	Metagenomics reveals differences in microbial composition and metabolic functions in the rumen of dairy cows with different residual feed intake.. *Animal Microbiome*, **2022**, 4, 19	4.1	1
152	Erratum to Organic zinc supplementation in early-lactation dairy cows and its effects on zinc content and distribution in milk and cheese(JDS Commun. 2:110113). *JDS Communications*, **2022**, 3, 166	1.4	
151	Prevalence and characterization of Salmonella from meat in slaughterhouses in Hangzhou, China.. *International Journal of Food Microbiology*, **2022**, 371, 109649	5.8	1
150	Gut health benefit and application of postbiotics in animal production.. *Journal of Animal Science and Biotechnology*, **2022**, 13, 38	6	1
149	L. reuteri ZJ617 inhibits inflammatory and autophagy signaling pathways in gut-liver axis in piglet induced by lipopolysaccharide. *Journal of Animal Science and Biotechnology*, **2021**, 12, 110	6	4
148	Altered protein S-glutathionylation depicts redox imbalance triggered by transition metal oxide nanoparticles in a breastfeeding system.. *NanoImpact*, **2021**, 22, 100305	5.6	1
147	Organic zinc supplementation in early-lactation dairy cows and its effects on zinc content and distribution in milk and cheese. *JDS Communications*, **2021**, 2, 110-113	1.4	1
146	Recombinant Bovine and Human Osteopontin Generated by Chlamydomonas reinhardtii Exhibit Bioactivities Similar to Bovine Milk Osteopontin When Assessed in Mouse Pups Fed Osteopontin-Deficient Milk. *Molecular Nutrition and Food Research*, **2021**, 65, e2000644	5.9	3
145	Metagenomics analysis revealed the distinctive ruminal microbiome and resistive profiles in dairy buffaloes. *Animal Microbiome*, **2021**, 3, 44	4.1	3
144	Biological activities of commercial bovine lactoferrin sources. *Biochemistry and Cell Biology*, **2021**, 99, 35-46	3.6	6
143	Dietary supplementation with N-carbamoylglutamate initiated from the prepartum stage improves lactation performance of postpartum dairy cows. *Animal Nutrition*, **2021**, 7, 232-238	4.8	2
142	Ruminal resistome of dairy cattle is individualized and the resistotypes are associated with milking traits. *Animal Microbiome*, **2021**, 3, 18	4.1	5
141	Supplementing -carbamoylglutamate in late gestation increases newborn calf weight by enhanced placental expression of mTOR and angiogenesis factor genes in dairy cows. *Animal Nutrition*, **2021**, 7, 981-988	4.8	1

140	Nano-sized zinc addition enhanced mammary zinc translocation without altering health status of dairy cows. *Animal Nutrition*, **2021**, 7, 1024-1030	4.8	1
139	Nitrogen metabolism and mammary gland amino acid utilization in lactating dairy cows with different residual feed intake. *Animal Bioscience*, **2021**, 34, 1600-1606	0	1
138	Multi-omics revealed the effects of rumen-protected methionine on the nutrient profile of milk in dairy cows. *Food Research International*, **2021**, 149, 110682	7	3
137	Excessive supply of glucose elicits an NF-Β2-dependent glycolysis in lactating goat mammary glands. *FASEB Journal*, **2020**, 34, 8671-8685	0.9	1
136	Multi-omics reveals that the rumen microbiome and its metabolome together with the host metabolome contribute to individualized dairy cow performance. *Microbiome*, **2020**, 8, 64	16.6	54
135	Evaluation of Bioactivities of the Bovine Milk Lactoferrin-Osteopontin Complex in Infant Formulas. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 6104-6111	5.7	6
134	Effects of Dietary Rumen-Protected Betaine on Lactation Performance and Serum Metabolites of Mid-lactation Holstein Dairy Cows. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 13154-13159	5.7	1
133	Effects of Milk Osteopontin on Intestine, Neurodevelopment, and Immunity. *Nestle Nutrition Institute Workshop Series*, **2020**, 94, 152-157	1.9	5
132	AMPK-mTOR pathway is involved in glucose-modulated amino acid sensing and utilization in the mammary glands of lactating goats. *Journal of Animal Science and Biotechnology*, **2020**, 11, 32	6	5
131	Effects of Dietary Supplementation with Combination of Tributyrin and Essential Oil on Gut Health and Microbiota of Weaned Piglets. *Animals*, **2020**, 10,	3.1	6
130	Effects of body condition on the insulin resistance, lipid metabolism and oxidative stress of lactating dairy cows. *Lipids in Health and Disease*, **2020**, 19, 56	4.4	3
129	Short communication: Effects of dietary N-carbamoylglutamate supplementation on the milk amino acid profile and mozzarella cheese quality in mid-lactating dairy cows. *Journal of Dairy Science*, **2020**, 103, 4935-4940	4	2
128	Short communication: Influence of intramuscular injection of vitamin B in early-lactation dairy cows on Mozzarella cheese quality and vitamin B stability. *Journal of Dairy Science*, **2020**, 103, 9835-9840	4	1
127	Assessing metabolic properties of dairy cows fed low quality straws by integrative arterial and venous metabolomics. *Asian-Australasian Journal of Animal Sciences*, **2020**, 33, 1770-1778	2.4	0
126	Short communication: The essential role of N-glycosylation in the transport activity of bovine peptide transporter 2. *Journal of Dairy Science*, **2020**, 103, 6679-6683	4	1
125	Short communication: The antilipogenic effect of trans-10,cis-12 conjugated linoleic acid in bovine mammary epithelial cells is associated with proteasome activity and ATP production. *Journal of Dairy Science*, **2020**, 103, 9096-9101	4	1
124	Dandelion (Hand.-Mazz.) Supplementation-Enhanced Rumen Fermentation through the Interaction between Ruminal Microbiome and Metabolome. *Microorganisms*, **2020**, 9,	4.9	8
123	Glyceraldehyde-3-Phosphate Dehydrogenase Increases the Adhesion of to Host Mucin to Enhance Probiotic Effects. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2

122	Lactation performance and nitrogen utilization of dairy cows on diets including unfermented or fermented yellow wine lees mix. *Livestock Science*, **2020**, 236, 104025	1.7	1
121	Parenterally Delivered Methionyl-Methionine Dipeptide During Pregnancy Enhances Mammogenesis and Lactation Performance Over Free Methionine by Activating PI3K-AKT Signaling in Methionine-Deficient Mice. *Journal of Nutrition*, **2020**, 150, 1186-1195	4.1	2
120	Seryl-tRNA synthetase is involved in methionine stimulation of -casein synthesis in bovine mammary epithelial cells. *British Journal of Nutrition*, **2020**, 123, 489-498	3.6	3
119	Formation of bioactive peptides during simulated gastrointestinal digestion is affected by casein polymorphism in buffalo milk. *Food Chemistry*, **2020**, 313, 126159	8.5	8
118	Multi-omics reveals functional genomic and metabolic mechanisms of milk production and quality in dairy cows. *Bioinformatics*, **2020**, 36, 2530-2537	7.2	11
117	The bovine Lactoferrin-Osteopontin complex increases proliferation of human intestinal epithelial cells by activating the PI3K/Akt signaling pathway. *Food Chemistry*, **2020**, 310, 125919	8.5	7
116	In vitro rumen fermentation characteristics of substrate mixtures with soybean meal partially replaced by microbially fermented yellow wine lees. *Italian Journal of Animal Science*, **2020**, 19, 18-24	2.2	3
115	Lactobacillus rhamnosus GG components, SLP, gDNA and CpG, exert protective effects on mouse macrophages upon lipopolysaccharide challenge. *Letters in Applied Microbiology*, **2020**, 70, 118-127	2.9	14
114	Evaluation of Bioactivities of Bovine Milk Osteopontin Using a Knockout Mouse Model. *Journal of Pediatric Gastroenterology and Nutrition*, **2020**, 71, 125-131	2.8	8
113	Methionyl-Methionine Exerts Anti-Inflammatory Effects through the JAK2-STAT5-NF-B and MAPK Signaling Pathways in Bovine Mammary Epithelial Cells. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 13742-13750	5.7	2
112	Quorum Sensing, Biofilm, and Intestinal Mucosal Barrier: Involvement the Role of Probiotic. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 538077	5.9	28
111	Rumen and Hindgut Bacteria Are Potential Indicators for Mastitis of Mid-Lactating Holstein Dairy Cows. *Microorganisms*, **2020**, 8,	4.9	2
110	Variance of Protein and Starch Granule Morphology between Corn and Steam Flaked Products Determined Starch Ruminal Degradability Through Altering Starch Hydrolyzing Bacteria Attachment. *Animals*, **2019**, 9,	3.1	2
109	Translocation of transition metal oxide nanoparticles to breast milk and offspring: The necessity of bridging mother-offspring-integration toxicological assessments. *Environment International*, **2019**, 133, 105153	12.9	17
108	Osteopontin in human milk and infant formula affects infant plasma osteopontin concentrations. *Pediatric Research*, **2019**, 85, 502-505	3.2	15
107	Effects of methionine partially replaced by methionyl-methionine dipeptide on intestinal function in methionine-deficient pregnant mice. *Journal of Animal Physiology and Animal Nutrition*, **2019**, 103, 1610-1618	2.6	1
106	Teleost Type 2 Interleukin-1 Receptor (IL-1R2) from the Spotted Halibut (Verasper variegatus): 3D Structure and a Role in Immune Response. *Molecular Biology*, **2019**, 53, 256-266	1.2	2
105	Nitrogen partitioning and microbial protein synthesis in lactating dairy cows with different phenotypic residual feed intake. *Journal of Animal Science and Biotechnology*, **2019**, 10, 54	6	5

104	Lactobacillus reuteri ZJ617 Culture Supernatant Attenuates Acute Liver Injury Induced in Mice by Lipopolysaccharide. *Journal of Nutrition*, **2019**, 149, 2046-2055	4.1	19
103	Days-in-Milk and Parity Affected Serum Biochemical Parameters and Hormone Profiles in Mid-Lactation Holstein Cows. *Animals*, **2019**, 9,	3.1	1
102	Assessment of rumen bacteria in dairy cows with varied milk protein yield. *Journal of Dairy Science*, **2019**, 102, 5031-5041	4	25
101	Effects of Dietary Rumen-Protected Betaine Supplementation on Performance of Postpartum Dairy Cows and Immunity of Newborn Calves. *Animals*, **2019**, 9,	3.1	12
100	Short communication: Relationship of blood DNA methylation rate and milk performance in dairy cows. *Journal of Dairy Science*, **2019**, 102, 5208-5211	4	6
99	Effects of stocking density on oxidative stress status and mammary gland permeability in early lactating dairy cows. *Animal Science Journal*, **2019**, 90, 894-902	1.8	2
98	Assessment of bioactivities of the human milk lactoferrin-osteopontin complex in vitro. *Journal of Nutritional Biochemistry*, **2019**, 69, 10-18	6.3	16
97	Effect of N-acetyl-l-methionine supplementation on lactation performance and plasma variables in mid-lactating dairy cows. *Journal of Dairy Science*, **2019**, 102, 5182-5190	4	6
96	Mechanism of peptide absorption in the isolated forestomach epithelial cells of dairy cows. *Journal of the Science of Food and Agriculture*, **2019**, 99, 100-108	4.3	2
95	Low-quality rice straw forage increases the permeability of mammary epithelial tight junctions in lactating dairy cows. *Journal of the Science of Food and Agriculture*, **2019**, 99, 2037-2041	4.3	3
94	Fatty Acid Elongase 7 (ELOVL7) Plays a Role in the Synthesis of Long-Chain Unsaturated Fatty Acids in Goat Mammary Epithelial Cells. *Animals*, **2019**, 9,	3.1	7
93	Concentration of Cholesterol in Human Milk and Associated Factors in Different Chinese Populations (P11-044-19). *Current Developments in Nutrition*, **2019**, 3,	0.4	78
92	A collection of rumen bacteriome data from 334 mid-lactation dairy cows. *Scientific Data*, **2019**, 6, 180308	8.2	5
91	Lactation performance and rumen fermentation in dairy cows fed a diet with alfalfa hay replaced by corn stover and supplemented with molasses. *Asian-Australasian Journal of Animal Sciences*, **2019**, 32, 1122-1127	2.4	0
90	Milk osteopontin promotes brain development by up-regulating osteopontin in the brain in early life. *FASEB Journal*, **2019**, 33, 1681-1694	0.9	18
89	Using vibrational molecular spectroscopy with chemometrics as an analytical method to investigate association of degradation with inherent molecular structures in grain. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 208, 331-338	4.4	
88	Functional Characterization of Peptide Transporters in Bovine Mammary Epithelial Cells. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 213-219	5.7	2
87	Fatty acid elongase 5 (ELOVL5) alters the synthesis of long-chain unsaturated fatty acids in goat mammary epithelial cells. *Journal of Dairy Science*, **2018**, 101, 4586-4594	4	12

86	Cloning and characterization of the human lactoferrin receptor gene promoter. *BioMetals*, **2018**, 31, 357-368	3.4	3
85	The particulate passage rate, nutrient composition and fermentation characteristics across gastrointestinal tracts in lactating dairy cows fed three different forage source diets. *Journal of Animal Physiology and Animal Nutrition*, **2018**, 102, 861-868	2.6	1
84	Arteriovenous blood metabolomics: An efficient method to determine the key metabolic pathway for milk synthesis in the intra-mammary gland. *Scientific Reports*, **2018**, 8, 5598	4.9	4
83	Short communication: Effects of dietary 5,6-dimethylbenzimidazole supplementation on vitamin B supply, lactation performance, and energy balance in dairy cows during the transition period and early lactation. *Journal of Dairy Science*, **2018**, 101, 2144-2147	4	3
82	Transcriptomic profiles of the bovine mammary gland during lactation and the dry period. *Functional and Integrative Genomics*, **2018**, 18, 125-140	3.8	32
81	Effects of the dietary nonfiber carbohydrate content on lactation performance, rumen fermentation, and nitrogen utilization in mid-lactation dairy cows receiving corn stover. *Journal of Animal Science and Biotechnology*, **2018**, 9, 20	6	6
80	Effect of feed lutein supplementation on mozzarella cheese quality and lutein stability. *International Dairy Journal*, **2018**, 83, 28-33	3.5	7
79	Effect of cereal straw and alfalfa hay diet on amino acid profile of gastrointestinal digesta in lactating dairy cows. *Journal of Animal Physiology and Animal Nutrition*, **2018**, 102, 421-428	2.6	1
78	Alteration of biomacromolecule in corn by steam flaking in relation to biodegradation kinetics in ruminant, revealed with vibrational molecular spectroscopy. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 191, 491-497	4.4	8
77	Amino acid profiles of rumen undegradable protein: a comparison between forages including cereal straws and alfalfa and their respective total mixed rations. *Journal of Animal Physiology and Animal Nutrition*, **2018**, 102, 601-610	2.6	1
76	Effect of changing forage on the dynamic variation in rumen fermentation in sheep. *Animal Science Journal*, **2018**, 89, 122-131	1.8	7
75	Serum metabolome profiling revealed potential biomarkers for milk protein yield in dairy cows. *Journal of Proteomics*, **2018**, 184, 54-61	3.9	29
74	Metabolomics Integrated with Transcriptomics Reveals a Subtle Liver Metabolic Risk in Dairy Cows Fed Different Crop By-products. *Proteomics*, **2018**, 18, e1800122	4.8	3
73	Assessment of Rumen Microbiota from a Large Dairy Cattle Cohort Reveals the Pan and Core Bacteriomes Contributing to Varied Phenotypes. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	52
72	Alfalfa Intervention Alters Rumen Microbial Community Development in Hu Lambs During Early Life. *Frontiers in Microbiology*, **2018**, 9, 574	5.7	27
71	Comparative Analysis of the Microbiota Between Sheep Rumen and Rabbit Cecum Provides New Insight Into Their Differential Methane Production. *Frontiers in Microbiology*, **2018**, 9, 575	5.7	20
70	Understanding the regulatory mechanisms of milk production using integrative transcriptomic and proteomic analyses: improving inefficient utilization of crop by-products as forage in dairy industry. *BMC Genomics*, **2018**, 19, 403	4.5	31
69	Effect of dietary supplements of biotin, intramuscular injections of vitamin B, or both on postpartum lactation performance in multiparous dairy cows. *Journal of Dairy Science*, **2018**, 101, 7851-7856	4	4

68	Functional characterization of oligopeptide transporter 1 of dairy cows. *Journal of Animal Science and Biotechnology*, **2018**, 9, 7	6	8
67	Effects of different forage combinations in total mixed rations on in vitro gas production kinetics, ruminal and milk fatty acid profiles of lactating cows. *Animal Science Journal*, **2018**, 89, 1261-1270	1.8	5
66	Different endosperm structures in wheat and corn affected in vitro rumen fermentation and nitrogen utilization of rice straw-based diet. *Animal*, **2018**, 1-7	3.1	4
65	Composition of Rumen Bacterial Community in Dairy Cows With Different Levels of Somatic Cell Counts. *Frontiers in Microbiology*, **2018**, 9, 3217	5.7	20
64	Upgrading of by-product from beverage industry through solid-state fermentation with Candida utilis and Bacillus subtilis. *Letters in Applied Microbiology*, **2018**, 67, 557-563	2.9	7
63	Short communication: Effects of dietary addition of N-carbamoylglutamate on milk composition in mid-lactating dairy cows. *Journal of Dairy Science*, **2018**, 101, 10985-10990	4	7
62	Methionine Partially Replaced by Methionyl-Methionine Dipeptide Improves Reproductive Performance over Methionine Alone in Methionine-Deficient Mice. *Nutrients*, **2018**, 10,	6.7	11
61	Local Mammary Glucose Supply Regulates Availability and Intracellular Metabolic Pathways of Glucose in the Mammary Gland of Lactating Dairy Goats Under Malnutrition of Energy. *Frontiers in Physiology*, **2018**, 9, 1467	4.6	7
60	Concentration of Lactoferrin in Human Milk and Its Variation during Lactation in Different Chinese Populations. *Nutrients*, **2018**, 10,	6.7	39
59	Dipeptide (Methionyl-Methionine) Transport and Its Effect on Casein Synthesis in Bovine Mammary Epithelial Cells. *Cellular Physiology and Biochemistry*, **2018**, 49, 479-488	3.9	11
58	Detoxification of Jatropha curcas seed cake by a new soil-borne Enterobacter cloacae strain. *Letters in Applied Microbiology*, **2018**, 67, 197-204	2.9	4
57	Immunomodulation and signaling mechanism of Lactobacillus rhamnosus GG and its components on porcine intestinal epithelial cells stimulated by lipopolysaccharide. *Journal of Microbiology, Immunology and Infection*, **2017**, 50, 700-713	8.5	60
56	Effects of dietary physical or nutritional factors on morphology of rumen papillae and transcriptome changes in lactating dairy cows based on three different forage-based diets. *BMC Genomics*, **2017**, 18, 353	4.5	28
55	Short communication: Comparative proteomic analysis of the lactating and nonlactating bovine mammary gland. *Journal of Dairy Science*, **2017**, 100, 5928-5935	4	12
54	Optimal ratios of essential amino acids stimulate casein synthesis via activation of the mammalian target of rapamycin signaling pathway in MAC-T cells and bovine mammary tissue explants. *Journal of Dairy Science*, **2017**, 100, 6676-6688	4	19
53	Complementary transcriptomic and proteomic analyses reveal regulatory mechanisms of milk protein production in dairy cows consuming different forages. *Scientific Reports*, **2017**, 7, 44234	4.9	22
52	Lactoferrin and the lactoferrin-sophorolipids-assembly can be internalized by dermal fibroblasts and regulate gene expression. *Biochemistry and Cell Biology*, **2017**, 95, 110-118	3.6	8
51	Bovine lactoferrin and lactoferricin exert antitumor activities on human colorectal cancer cells (HT-29) by activating various signaling pathways. *Biochemistry and Cell Biology*, **2017**, 95, 99-109	3.6	46

50	ZJ617 maintains intestinal integrity via regulating tight junction, autophagy and apoptosis in mice challenged with lipopolysaccharide. *Oncotarget*, **2017**, 8, 77489-77499	3.3	32
49	Lactation-related metabolic mechanism investigated based on mammary gland metabolomics and 4 biofluids' metabolomics relationships in dairy cows. *BMC Genomics*, **2017**, 18, 936	4.5	27
48	The Use of "Omics" in Lactation Research in Dairy Cows. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	15
47	Biomarker and pathway analyses of urine metabolomics in dairy cows when corn stover replaces alfalfa hay. *Journal of Animal Science and Biotechnology*, **2016**, 7, 49	6	26
46	Amino acid utilization of lactating dairy cows when diets are changed from an alfalfa-based diet to cereal straw-based diets. *Animal Feed Science and Technology*, **2016**, 217, 56-66	3	14
45	Effect of dietary soybean oil and antioxidants on fatty acids and volatile compounds of tail subcutaneous and perirenal fat tissues in fattening lambs. *Journal of Animal Science and Biotechnology*, **2016**, 7, 24	6	2
44	Investigation into Host Selection of the Cecal Acetogen Population in Rabbits after Weaning. *PLoS ONE*, **2016**, 11, e0158768	3.7	8
43	Effects of Supplemental Levels of Saccharomyces cerevisiae Fermentation Product on Lactation Performance in Dairy Cows under Heat Stress. *Asian-Australasian Journal of Animal Sciences*, **2016**, 29, 801-6	2.4	22
42	Separation and quantification of milk casein from different buffalo breeds. *Journal of Dairy Research*, **2016**, 83, 317-25	1.6	7
41	Systematic microRNAome profiling reveals the roles of microRNAs in milk protein metabolism and quality: insights on low-quality forage utilization. *Scientific Reports*, **2016**, 6, 21194	4.9	21
40	Doses Lactobacillus reuteri depend on adhesive ability to modulate the intestinal immune response and metabolism in mice challenged with lipopolysaccharide. *Scientific Reports*, **2016**, 6, 28332	4.9	20
39	Medicinal herbs as a potential strategy to decrease methane production by rumen microbiota: a systematic evaluation with a focus on Perilla frutescens seed extract. *Applied Microbiology and Biotechnology*, **2016**, 100, 9757-9771	5.7	9
38	Pectin induces an in vitro rumen microbial population shift attributed to the pectinolytic Treponema group. *Current Microbiology*, **2015**, 70, 67-74	2.4	34
37	Methionyl-Methionine Promotes β-1 Casein Synthesis in Bovine Mammary Gland Explants by Enhancing Intracellular Substrate Availability and Activating JAK2-STAT5 and mTOR-Mediated Signaling Pathways. *Journal of Nutrition*, **2015**, 145, 1748-53	4.1	26
36	Lactobacillus reuteri glyceraldehyde-3-phosphate dehydrogenase functions in adhesion to intestinal epithelial cells. *Canadian Journal of Microbiology*, **2015**, 61, 373-80	3.2	17
35	Duodenum has the greatest potential to absorb soluble non-ammonia nitrogen in the nonmesenteric gastrointestinal tissues of dairy cows. *Journal of Zhejiang University: Science B*, **2015**, 16, 503-10	4.5	4
34	Rumen fermentation and acetogen population changes in response to an exogenous acetogen TWA4 strain and Saccharomyces cerevisiae fermentation product. *Journal of Zhejiang University: Science B*, **2015**, 16, 709-19	4.5	7
33	Effects of the processing methods of corn grain and soybean meal on milk protein expression profiles in dairy cows. *Animal*, **2015**, 9, 267-74	3.1	7

32	Management opportunities to mitigate greenhouse gas emissions from Chinese agriculture. *Agriculture, Ecosystems and Environment*, **2015**, 209, 108-124	5.7	98
31	Effects of phenylalanine and threonine oligopeptides on milk protein synthesis in cultured bovine mammary epithelial cells. *Journal of Animal Physiology and Animal Nutrition*, **2015**, 99, 215-20	2.6	11
30	Metabolomics of four biofluids from dairy cows: potential biomarkers for milk production and quality. *Journal of Proteome Research*, **2015**, 14, 1287-98	5.6	97
29	Effects of corn and soybean meal types on rumen fermentation, nitrogen metabolism and productivity in dairy cows. *Asian-Australasian Journal of Animal Sciences*, **2015**, 28, 351-9	2.4	10
28	Transcriptomic profiling of intestinal epithelial cells in response to human, bovine and commercial bovine lactoferrins. *BioMetals*, **2014**, 27, 831-41	3.4	16
27	Effect of dietary N-carbamoylglutamate on milk production and nitrogen utilization in high-yielding dairy cows. *Journal of Dairy Science*, **2014**, 97, 2338-45	4	22
26	Comparison of bioactivities of talactoferrin and lactoferrins from human and bovine milk. *Journal of Pediatric Gastroenterology and Nutrition*, **2014**, 59, 642-52	2.8	23
25	Effects of alfalfa and cereal straw as a forage source on nutrient digestibility and lactation performance in lactating dairy cows. *Journal of Dairy Science*, **2014**, 97, 7706-15	4	67
24	Establishment and characterization of an omasal epithelial cell model derived from dairy calves for the study of small peptide absorption. *PLoS ONE*, **2014**, 9, e88993	3.7	8
23	Adhesive ability means inhibition activities for lactobacillus against pathogens and S-layer protein plays an important role in adhesion. *Anaerobe*, **2013**, 22, 97-103	2.8	45
22	The effects of Ecasein polymorphism on the texture and functional properties of mozzarella cheese. *International Dairy Journal*, **2013**, 31, 65-69	3.5	6
21	Effects of feeding bamboo vinegar and acidifier as an antibiotic substitute on the growth performance and intestinal bacterial communities of weaned piglets. *Acta Agriculturae Scandinavica - Section A: Animal Science*, **2013**, 63, 143-150	0.6	2
20	Human and bovine osteopontin from milk and recombinant human osteopontin may stimulate intestinal proliferation and immune functions via various mechanisms revealed by microarray analysis. *FASEB Journal*, **2013**, 27, 45.1	0.9	6
19	Different patterns of volatile compounds and fatty acid profiles in the adipose tissues of male and female Hu sheep. *Acta Agriculturae Scandinavica - Section A: Animal Science*, **2012**, 62, 153-158	0.6	1
18	Apo- and holo-lactoferrin stimulate proliferation of mouse crypt cells but through different cellular signaling pathways. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 91-100	5.6	32
17	Expression profiles of microRNAs from lactating and non-lactating bovine mammary glands and identification of miRNA related to lactation. *BMC Genomics*, **2012**, 13, 731	4.5	98
16	Insertion depth of oral stomach tubes may affect the fermentation parameters of ruminal fluid collected in dairy cows. *Journal of Dairy Science*, **2012**, 95, 5978-84	4	140
15	Degradation of L-arginine and N-carbamoyl glutamate and their effect on rumen fermentation in vitro. *Italian Journal of Animal Science*, **2012**, 11, e68	2.2	23

14	Effect of glucose availability on glucose transport in bovine mammary epithelial cells. *Animal*, **2012**, 6, 488-93	3.1	19
13	Bovine lactoferrin can be taken up by the human intestinal lactoferrin receptor and exert bioactivities. *Journal of Pediatric Gastroenterology and Nutrition*, **2011**, 53, 606-14	2.8	83
12	Effects of tripeptides and lactogenic hormones on oligopeptide transporter 2 in bovine mammary gland. *Journal of Animal Physiology and Animal Nutrition*, **2011**, 95, 781-9	2.6	13
11	Apo- and holo-lactoferrin are both internalized by lactoferrin receptor via clathrin-mediated endocytosis but differentially affect ERK-signaling and cell proliferation in Caco-2 cells. *Journal of Cellular Physiology*, **2011**, 226, 3022-31	7	108
10	Toxicity of Jatropha curcas phorbol esters in mice. *Food and Chemical Toxicology*, **2010**, 48, 620-5	4.7	94
9	Effects of dietary supplementation of methionine and lysine on milk production and nitrogen utilization in dairy cows. *Journal of Dairy Science*, **2010**, 93, 3661-70	4	69
8	Effect of different rumen-inert fatty acids supplemented with a dietary antioxidant on performance and antioxidative status of early-lactation cows. *Journal of Dairy Science*, **2010**, 93, 3738-45	4	20
7	Spatial variation of intestinal skatole production and microbial community in Jinhua and Landrace pigs. *Journal of the Science of Food and Agriculture*, **2009**, 89, 639-644	4.3	8
6	Effects of rumen-degradable-protein to rumen-undegradable-protein ratio on nitrogen conversion of lactating dairy cows. *Acta Agriculturae Scandinavica - Section A: Animal Science*, **2008**, 58, 100-103	0.6	4
5	Predicting urinary nitrogen excretion by milk urea nitrogen in lactating Chinese Holstein cows. *Animal Science Journal*, **2007**, 78, 395-399	1.8	6
4	Effects of tea saponins on in vitro ruminal fermentation and growth performance in growing Boer goat. *Archives of Animal Nutrition*, **2006**, 60, 89-97	2.7	38
3	Progesterone and zinc regulate zinc transport in human trophoblasts through changes in Zip4 and ZnT1. *FASEB Journal*, **2006**, 20, A986	0.9	
2	Effect of tea saponin on rumen fermentation in vitro. *Animal Feed Science and Technology*, **2005**, 120, 333-339	3	154
1	Milk yield variation partially attributed to blood oxygen-mediated neutrophil activation in lactating dairy goats. *British Journal of Nutrition*,1-12	3.6	0