

# Hong-Gu Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

800  
citations

623188

14  
h-index

610482

24  
g-index

65  
all docs

65  
docs citations

65  
times ranked

820  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal-humidity exposure and water deprivation alter the immune response, and hair but not plasma mineral profiles, in Holstein dairy cows. <i>Biological Rhythm Research</i> , 2022, 53, 1144-1154.	0.4	1
2	Effects of L-glutamine supplementation on degradation rate and rumen fermentation characteristics in vitro. <i>Animal Bioscience</i> , 2022, 35, 422-433.	0.8	4
3	Effects of duck fat and $\hat{\text{I}}^{\text{e}}$ -carrageenan as replacements for beef fat and pork backfat in frankfurters. <i>Animal Bioscience</i> , 2022, 35, 927-937.	0.8	5
4	Can flushing gas distort the rumen in vitro experiment results?. <i>Animal Feed Science and Technology</i> , 2022, 285, 115203.	1.1	0
5	Identification of candidate proteins regulated by long-term caloric restriction and feed efficiency in longissimus dorsi muscle in Korean native steer. <i>Journal of Animal Science and Technology</i> , 2022, 64, 330-342.	0.8	1
6	Effects of different protein levels on growth performance and stress parameters in beef calves under heat stress. <i>Scientific Reports</i> , 2022, 12, 8113.	1.6	11
7	D-Methionine and 2-hydroxy-4-methylthiobutanoic acid i alter beta-casein, proteins and metabolites linked in milk protein synthesis in bovine mammary epithelial cells. <i>Journal of Animal Science and Technology</i> , 2022, 64, 481-499.	0.8	3
8	Vitamin A supplementation downregulates ADH1C and ALDH1A1 mRNA expression in weaned beef calves. <i>Animal Nutrition</i> , 2022, 10, 372-381.	2.1	3
9	Characterization of Short-Term Heat Stress in Holstein Dairy Cows Using Altered Indicators of Metabolomics, Blood Parameters, Milk MicroRNA-216 and Characteristics. <i>Animals</i> , 2021, 11, 722.	1.0	17
10	Vitamin A regulates intramuscular adipose tissue and muscle development: promoting high-quality beef production. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 34.	2.1	12
11	Supplementing with L-Tryptophan Increases Medium Protein and Alters Expression of Genes and Proteins Involved in Milk Protein Synthesis and Energy Metabolism in Bovine Mammary Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2751.	1.8	8
12	Effect of a Rumen-Protected Microencapsulated Supplement from Linseed Oil on the Growth Performance, Meat Quality, and Fatty Acid Composition in Korean Native Steers. <i>Animals</i> , 2021, 11, 1253.	1.0	5
13	Dietary supplementation of acetate-conjugated tryptophan alters feed intake, milk yield and composition, blood profile, physiological variables, and heat shock protein gene expression in heat-stressed dairy cows. <i>Journal of Thermal Biology</i> , 2021, 98, 102949.	1.1	6
14	Effects of L-Histidine and Sodium Acetate on $\hat{\text{I}}^{\text{2}}$ -Casein Expression in Nutrient-Restricted Bovine Mammary Epithelial Cells. <i>Animals</i> , 2021, 11, 1444.	1.0	2
15	Effects of Dietary Supplementation of Acetate and L-Tryptophan Conjugated Bypass Amino Acid on Productivity of Pre- and Post-Partum Dairy Cows and Their Offspring. <i>Animals</i> , 2021, 11, 1726.	1.0	3
16	Amino Acids Supplementation for the Milk and Milk Protein Production of Dairy Cows. <i>Animals</i> , 2021, 11, 2118.	1.0	12
17	Responses of beef calves to long-term heat stress exposure by evaluating growth performance, physiological, blood and behavioral parameters. <i>Journal of Thermal Biology</i> , 2021, 100, 103033.	1.1	17
18	Daytime Grazing in Mountainous Areas Increases Unsaturated Fatty Acids and Decreases Cortisol in the Milk of Holstein Dairy Cows. <i>Animals</i> , 2021, 11, 3122.	1.0	3

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19	Chemerin Regulates Epithelial Barrier Function of Mammary Glands in Dairy Cows. <i>Animals</i> , 2021, 11, 3194.	1.0	5
20	Measuring hair and blood cortisol in sheep and dairy cattle using RIA and ELISA assay: a comparison. <i>Biological Rhythm Research</i> , 2020, 51, 887-897.	0.4	19
21	In Vitro and In Vivo Studies of Rumen-Protected Microencapsulated Supplement Comprising Linseed Oil, Vitamin E, Rosemary Extract, and Hydrogenated Palm Oil on Rumen Fermentation, Physiological Profile, Milk Yield, and Milk Composition in Dairy Cows. <i>Animals</i> , 2020, 10, 1631.	1.0	11
22	Metabolomics analyses to characterize metabolic alterations in Korean native calves by oral vitamin A supplementation. <i>Scientific Reports</i> , 2020, 10, 8092.	1.6	7
23	Heat-Shock Proteins Gene Expression in Peripheral Blood Mononuclear Cells as an Indicator of Heat Stress in Beef Calves. <i>Animals</i> , 2020, 10, 895.	1.0	49
24	Black soldier fly larvae oil as an alternative fat source in broiler nutrition. <i>Poultry Science</i> , 2020, 99, 3133-3143.	1.5	75
25	Supplementing conjugated and non-conjugated L-methionine and acetate alters expression patterns of <i>CSN2</i> , proteins and metabolites related to protein synthesis in bovine mammary cells. <i>Journal of Dairy Research</i> , 2020, 87, 70-77.	0.7	7
26	Oral vitamin A supplementation during neonatal stage enhances growth, pre-adipocyte and muscle development in Korean native calves. <i>Animal Feed Science and Technology</i> , 2020, 268, 114609.	1.1	6
27	Identification of heat shock protein gene expression in hair follicles as a novel indicator of heat stress in beef calves. <i>Animal</i> , 2020, 14, 1502-1509.	1.3	28
28	Phenylalanine and valine differentially stimulate milk protein synthetic and energy-mediated pathway in immortalized bovine mammary epithelial cells. <i>Journal of Animal Science and Technology</i> , 2020, 62, 263-275.	0.8	8
29	â€œDietary supplementation of L-tryptophanâ€ increases muscle development, adipose tissue catabolism and fatty acid transportation in the muscles of Hanwoo steers. <i>Journal of Animal Science and Technology</i> , 2020, 62, 595-604.	0.8	8
30	The effects of vitamin A supplementation during late-stage pregnancy on longissimus dorsi muscle tissue development, birth traits, and growth performance in postnatal Korean native calves. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 742-752.	2.4	6
31	Administration of encapsulated L-tryptophan improves duodenal starch digestion and increases gastrointestinal hormones secretions in beef cattle. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 91-99.	2.4	9
32	Dietary supplementation with combined extracts from garlic ( <i>Allium sativum</i> ), brown seaweed ( <i>Undaria pinnatifida</i> ), and pinecone ( <i>Pinus koraiensis</i> ) improves milk production in Holstein cows under heat stress conditions. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 111-119.	2.4	12
33	Effects of nitrogen gas flushing in comparison with argon on rumen fermentation characteristics in vitro studies. <i>Journal of Animal Science and Technology</i> , 2020, 62, 52-57.	0.8	7
34	Effect of water scarcity during thermal-humidity exposure on the mineral footprint of sheep. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1940-1947.	2.4	2
35	The effect of single-nucleotide polymorphisms within heat shock protein beta 1 on beef quantity in Korean native steers. <i>Archives Animal Breeding</i> , 2020, 63, 417-422.	0.5	1
36	Effect of <i>Saccharomyces boulardii</i> Supplementation on Performance and Physiological Traits of Holstein Calves under Heat Stress Conditions. <i>Animals</i> , 2019, 9, 510.	1.0	12

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37	l-Lactate Dehydrogenase B Chain Associated with Milk Protein Content in Dairy Cows. <i>Animals</i> , 2019, 9, 442.	1.0	3
38	Intravenous administration of L-tryptophan stimulates gastrointestinal hormones and melatonin secretions: study on beef cattle. <i>Journal of Animal Science and Technology</i> , 2019, 61, 239-244.	0.8	14
39	Effect of Fermented Medicinal Plants as Dietary Additives on Food Preference and Fecal Microbial Quality in Dogs. <i>Animals</i> , 2019, 9, 690.	1.0	11
40	Effect of vitamin A restriction on carcass traits and blood metabolites in Korean native steers. <i>Animal Production Science</i> , 2019, 59, 2138.	0.6	11
41	Effect of Dietary Rumen-Protected L-Tryptophan Supplementation on Growth Performance, Blood Hematological and Biochemical Profiles, and Gene Expression in Korean Native Steers under Cold Environment. <i>Animals</i> , 2019, 9, 1036.	1.0	11
42	Effects of Dietary Bee Venom on Serum Characteristic, Antioxidant Activity and Liver Fatty Acid Composition in Broiler Chickens. <i>Korean Journal of Poultry Science</i> , 2019, 46, 39-46.	0.1	9
43	Impacts of whey protein on starch digestion in rumen and small intestine of steers. <i>Journal of Animal Science and Technology</i> , 2019, 61, 98-108.	0.8	5
44	Effect of glutamine on heat-shock protein beta 1 (HSPB1) expression during myogenic differentiation in bovine embryonic fibroblast cells. <i>Food Science and Biotechnology</i> , 2018, 27, 829-835.	1.2	7
45	Effects of dietary phytoncides extracted from Korean pine ( <i>Pinus koraiensis</i> ) cone on performance, egg quality, gut microflora, and immune response in laying hens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1220-1231.	1.0	11
46	Correlation between blood, physiological and behavioral parameters in beef calves under heat stress. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 919-925.	2.4	49
47	Comparison of trans-fatty acids on proliferation and migration of vascular smooth muscle cells. <i>Food Science and Biotechnology</i> , 2017, 26, 501-505.	1.2	1
48	Role of ghrelin in the pancreatic exocrine secretion via mitogen-activated protein kinase signaling in rats. <i>Journal of Animal Science and Technology</i> , 2017, 59, 16.	0.8	2
49	Effect of alcohol dehydrogenase 1C (ADH1C) genotype on vitamin A restriction and marbling in Korean native steers. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 1099-1104.	2.4	11
50	Physiological concentrations of trans-11 18:1 vaccenic acid suppress pro-inflammatory markers under acute inflammation in isolated ICR mice splenocytes. <i>Food Science and Biotechnology</i> , 2016, 25, 275-281.	1.2	1
51	Phytoncide Extracted from Pinecone Decreases LPS-Induced Inflammatory Responses in Bovine Mammary Epithelial Cells. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 579-587.	0.9	30
52	Improvement of Milk Fatty Acid Composition for Production of Functional Milk by Dietary Phytoncide Oil Extracted from Discarded Pine Nut Cones ( <i>Pinus koraiensis</i> ) in Holstein Dairy Cows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2016, 29, 1734-1741.	2.4	13
53	Chemerin is a novel regulator of lactogenesis in bovine mammary epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 283-288.	1.0	14
54	Advances in Research on cis-9, trans-11 Conjugated Linoleic Acid: A Major Functional Conjugated Linoleic Acid Isomer. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 720-731.	5.4	44

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55	trans-11 18:1 Vaccenic Acid (TVA) Has a Direct Anti-Carcinogenic Effect on MCF-7 Human Mammary Adenocarcinoma Cells. <i>Nutrients</i> , 2014, 6, 627-636.	1.7	44
56	Association of protein expression in isolated milk epithelial cells and cis-9,trans-11 conjugated linoleic acid proportions in milk from dairy cows. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 1835-1843.	1.7	12
57	Heat-shock protein beta 1 regulates androgen-mediated bovine myogenesis. <i>Biotechnology Letters</i> , 2014, 36, 1225-1231.	1.1	12
58	Identification of proteins involved in the pancreatic exocrine by exogenous ghrelin administration in Sprague-Dawley rats. <i>Journal of Animal Science and Technology</i> , 2014, 56, 6.	0.8	5
59	Trans vaccenic acid (trans-11 18:1), a precursor of cis-9, trans-11-conjugated linoleic acid, exerts a direct anti-carcinogenic function in T47D breast carcinoma cells. <i>Food Science and Biotechnology</i> , 2014, 23, 641-646.	1.2	4
60	Differentially expressed proteins associated with myogenesis and adipogenesis in skeletal muscle and adipose tissue between bulls and steers. <i>Molecular Biology Reports</i> , 2012, 39, 953-960.	1.0	16
61	Proteomic analysis of endogenous conjugated linoleic acid biosynthesis in lactating rats and mouse mammary gland epithelia cells (HC11). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 745-751.	1.1	9
62	Differentially expressed proteins during fat accumulation in bovine skeletal muscle. <i>Meat Science</i> , 2010, 86, 814-820.	2.7	42
63	Physico-chemical modifications of conjugated linoleic acid for ruminal protection and oxidative stability. <i>Nutrition and Metabolism</i> , 2008, 5, 16.	1.3	24