Sang-Suk Lee

List of Publications by Year
in descending order

53	618	687363 13	713466 21
papers	citations	h-index	g-index

53	53	53	634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative Survey of Rumen Microbial Communities and Metabolites across One Caprine and Three Bovine Groups, Using Bar-Coded Pyrosequencing and ¹ H Nuclear Magnetic Resonance Spectroscopy. Applied and Environmental Microbiology, 2012, 78, 5983-5993.	3.1	120
2	Advanced estimation and mitigation strategies: a cumulative approach to enteric methane abatement from ruminants. Journal of Animal Science and Technology, 2019, 61, 122-137.	2.5	34
3	Diet Transition from High-Forage to High-Concentrate Alters Rumen Bacterial Community Composition, Epithelial Transcriptomes and Ruminal Fermentation Parameters in Dairy Cows. Animals, 2021, 11, 838.	2.3	33
4	Effect of fumarate reducing bacteria on in vitro rumen fermentation, methane mitigation and microbial diversity. Journal of Microbiology, 2014, 52, 120-128.	2.8	28
5	Rumen fermentation and microbial community composition influenced by live Enterococcus faecium supplementation. AMB Express, 2019, 9, 123.	3.0	26
6	Fumarate Reductase-Producing Enterococci Reduce Methane Production in Rumen Fermentation In Vitro. Journal of Microbiology and Biotechnology, 2016, 26, 558-566.	2.1	21
7	Effects of seaweed extracts on in vitro rumen fermentation characteristics, methane production, and microbial abundance. Scientific Reports, 2021, 11, 24092.	3.3	21
8	Reductive acetogens isolated from ruminants and their effect on in vitro methane mitigation and milk performance in Holstein cows. Journal of Animal Science and Technology, 2020, 62, 1-13.	2.5	19
9	Holstein and Jersey Steers Differ in Rumen Microbiota and Enteric Methane Emissions Even Fed the Same Total Mixed Ration. Frontiers in Microbiology, 2021, 12, 601061.	3.5	18
10	Treponema spp., the dominant pathogen in the lesion of bovine digital dermatitis and its characterization in dairy cattle. Veterinary Microbiology, 2020, 245, 108696.	1.9	15
11	Hemato-biochemical and Cortisol Profile of Holstein Growing-calves Supplemented with Vitamin C during Summer Season. Asian-Australasian Journal of Animal Sciences, 2012, 25, 361-368.	2.4	15
12	<italic>In vitro</italic> Evaluation of Different Feeds for Their Potential to Generate Methane and Change Methanogen Diversity. Asian-Australasian Journal of Animal Sciences, 2013, 26, 1698-1707.	2.4	15
13	Heat Stress: Effects on Rumen Microbes and Host Physiology, and Strategies to Alleviate the Negative Impacts on Lactating Dairy Cows. Frontiers in Microbiology, 2022, 13, 804562.	3.5	15
14	Characterization, metabolites and gas formation of fumarate reducing bacteria isolated from Korean native goat (Capra hircus coreanae). Journal of Microbiology, 2012, 50, 925-931.	2.8	14
15	Effect of different concentrate diet levels on rumen fluid inoculum used for determination of in vitro rumen fermentation, methane concentration, and methanogen abundance and diversity. Italian Journal of Animal Science, 2018, 17, 359-367.	1.9	13
16	Exploration of metabolite profiles in the biofluids of dairy cows by proton nuclear magnetic resonance analysis. PLoS ONE, 2021, 16, e0246290.	2.5	13
17	Use of Lysozyme as a Feed Additive on In vitro Rumen Fermentation and Methane Emission. Asian-Australasian Journal of Animal Sciences, 2016, 29, 1601-1607.	2.4	12
18	In vitro five brown algae extracts for efficiency of ruminal fermentation and methane yield. Journal of Applied Phycology, 2021, 33, 1253-1262.	2.8	12

#	Article	IF	Citations
19	Dynamic changes in blood immune cell composition and function in Holstein and Jersey steers in response to heat stress. Cell Stress and Chaperones, 2021, 26, 705-720.	2.9	12
20	Recent insight and future techniques to enhance rumen fermentation in dairy goats. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1321-1330.	2.4	12
21	Rumen fermentation and performance of Hanwoo steers fed total mixed ration with Korean rice wine residue. Journal of Animal Science and Technology, 2016, 58, 4.	2.5	11
22	Metabolomics comparison of rumen fluid and milk in dairy cattle using proton nuclear magnetic resonance spectroscopy. Animal Bioscience, 2021, 34, 213-222.	2.0	11
23	Seasonal Influence on Rumen Microbiota, Rumen Fermentation, and Enteric Methane Emissions of Holstein and Jersey Steers under the Same Total Mixed Ration. Animals, 2021, 11, 1184.	2.3	11
24	Effects of illite supplementation on inÂvitro and inÂvivo rumen fermentation, microbial population and methane emission of Hanwoo steers fed high concentrate diets. Animal Science Journal, 2018, 89, 114-121.	1.4	9
25	Effects of Rubus coreanus byproducts on intestinal microbiota and the immune modulation. Asian-Australasian Journal of Animal Sciences, 2018, 31, 429-438.	2.4	9
26	Enhanced Ruminal Fermentation Parameters and Altered Rumen Bacterial Community Composition by Formulated Rumen Buffer Agents Fed to Dairy Cows with a High-Concentrate Diet. Agriculture (Switzerland), 2021, 11, 554.	3.1	8
27	Characteristics of Wet and Dried Distillers Grains on <i>In vitro</i> Ruminal Fermentation and Effects of Dietary Wet Distillers Grains on Performance of Hanwoo Steers. Asian-Australasian Journal of Animal Sciences, 2015, 28, 632-638.	2.4	8
28	Effects of using different roughages in the total mixed ration inoculated with or without coculture of Lactobacillus acidophilus and Bacillus subtilis on in vitro rumen fermentation and microbial population. Animal Bioscience, 2021, 34, 642-651.	2.0	7
29	Metabolic profiling of serum and urine in lactating dairy cows affected by subclinical ketosis using proton nuclear magnetic resonance spectroscopy. Journal of Animal Science and Technology, 2022, 64, 247-261.	2.5	7
30	Effect of Î³-Aminobutyric Acid (GABA) Producing Bacteria on <italic>In vitro</italic> Rumen Fermentation, Biogenic Amine Production and Anti-oxidation Using Corn Meal as Substrate. Asian-Australasian Journal of Animal Sciences, 2013, 26, 804-811.	2.4	6
31	Effects of reductive acetogenic bacteria and lauric acid on in vivo ruminal fermentation, microbial populations, and methane mitigation in Hanwoo steers in South Korea. Journal of Animal Science, 2018, 96, 4360-4367.	0.5	6
32	Growth performance and blood profiles of Hanwoo steers at fattening stage fed Korean rice wine residue. Journal of Animal Science and Technology, 2020, 62, 812-823.	2.5	6
33	Effects of Halogenated Compounds on in vitro Fermentation Characteristics in the Rumen and Methane Emissions. Journal of Life Science, 2012, 22, 1187-1193.	0.2	6
34	Genotypic and Phenotypic Characterization of Treponema phagedenis from Bovine Digital Dermatitis. Microorganisms, 2020, 8, 1520.	3.6	5
35	The Effects of Total Mixed Ration Feeding with High Roughage Content on Growth Performance, Carcass Characteristics, and Meat Quality of Hanwoo Steers. Food Science of Animal Resources, 2021, 41, 45-58.	4.1	5
36	Metabolic Profiling of Rumen Fluid and Milk in Lactating Dairy Cattle Influenced by Subclinical Ketosis Using Proton Nuclear Magnetic Resonance Spectroscopy. Animals, 2021, 11, 2526.	2.3	5

#	Article	IF	Citations
37	Metabolomic analysis of organic acids, amino acids, and fatty acids in plasma of Hanwoo beef on a high-protein diet. Metabolomics, 2020, 16, 114.	3.0	4
38	Effects of Mustard Seeds and Powder on In vitro Ruminal Fermentation Characteristics and Methane Production. Journal of Animal Science and Technology, 2013, 55, 25-32.	2.5	4
39	Effect of optimal sodium stearoyl-2-lactylate supplementation on growth performance and blood and carcass characteristics in Hanwoo steers during the early fattening period. Asian-Australasian Journal of Animal Sciences, 2018, 31, 1442-1448.	2.4	4
40	High quality genome sequence of Treponema phagedenis KS1 isolated from bovine digital dermatitis. Journal of Animal Science and Technology, 2020, 62, 948-951.	2.5	3
41	Ornamental fish, Cyprinus carpio , fed with fishmeal replacement PtecticusÂtenebrifer Âand Tenebrio molitor. Aquaculture Research, 2021, 52, 980-990.	1.8	2
42	Metabolomics comparison of serum and urine in dairy cattle using proton nuclear magnetic resonance spectroscopy. Animal Bioscience, 2021, 34, 1930-1939.	2.0	2
43	Kimchi cabbage (Brassica rapa L.) by-products treated with calcium oxide and alkaline hydrogen peroxide as feed ingredient for Holstein steers. Journal of Animal Science and Technology, 2021, 63, 841-853.	2.5	2
44	Reduction of slaughter age of Hanwoo steers by early genotyping based on meat yield index. Asian-Australasian Journal of Animal Sciences, 2020, 33, 770-777.	2.4	2
45	A clinical case of bovine anemia due to Theileria orientalis group in a non-grazed dairy cow in the upper part of South Korea. Korean Journal of Veterinary Research, 2021, 61, e33.	0.3	2
46	Breed and Season-Specific Methane Conversion Factors Influence Methane Emission Factor for Enteric Methane of Dairy Steers. Sustainability, 2022, 14, 7030.	3.2	2
47	In vitro assessment of probiotic potential of selected bacteria isolated from pig faeces with potential application of odour reduction. International Journal of Veterinary Science and Medicine, 2021, 9, 22-30.	2.2	1
48	Effect of sodium stearoyl-2-lactylate supplementation on lactation performance, blood-biochemical profile, and economic efficacy of mid-lactation Holstein cows. Asian-Australasian Journal of Animal Sciences, 2018, 31, 1458-1463.	2.4	1
49	Effect of Î³-aminobutyric acid producing bacteria on in vitro rumen fermentation, growth performance, and meat quality of Hanwoo steers. Asian-Australasian Journal of Animal Sciences, 2020, 33, 1087-1095.	2.4	1
50	Study on feed mix program using Excel solver modul (Add-in) and growth modelling system of laying hens. Chuksan-gisul-gwa Saneop, 2021, 8, 35-51.	0.2	0
51	Dose-response effects of Poncirus trifoliata extract on inÂvitro ruminal methane production, fermentation, and microbial abundance. Italian Journal of Animal Science, 2022, 21, 595-604.	1.9	0
52	Characterization of Trueperella pyogenes isolated from caseous lymphadenitis lesions in Korean native goats. Korean Journal of Veterinary Service, 2021, 44, 321-326.	0.3	0
53	Metabolomic and transcriptomic study to understand changes in metabolic and immune responses in steers under heat stress. Animal Nutrition, 2022, , .	5.1	0