

Juan Boo Liang

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,417
citations

279487

23
h-index

253896

43
g-index

91
all docs

91
docs citations

91
times ranked

3068
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammary gene expressions and oxidative indicators in ruminal fluid, blood, milk, and mammary tissue of dairy goats fed a total mixed ration containing piper meal (<i>Piper betle</i> L.). <i>Italian Journal of Animal Science</i> , 2022, 21, 129-141.	0.8	22
2	Sodium butyrate reduces ammonia emissions through glutamate metabolic pathways in cecal microorganisms of laying hens. <i>Ecotoxicology and Environmental Safety</i> , 2022, 233, 113299.	2.9	8
3	Construction of recombinant <i>Pichia pastoris</i> strains for ammonia reduction by the <i>gdhA</i> and <i>glnA</i> regulatory genes in laying hens. <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113376.	2.9	2
4	Selective Maternal Seeding and Rearing Environment From Birth to Weaning Shape the Developing Piglet Gut Microbiome. <i>Frontiers in Microbiology</i> , 2022, 13, 795101.	1.5	6
5	Metabonomics reveals an alleviation of fitness cost in resistant <i>E. coli</i> competing against susceptible <i>E. coli</i> at sub-MIC doxycycline. <i>Journal of Hazardous Materials</i> , 2021, 405, 124215.	6.5	16
6	Enhancing bypass starch in cassava chip to sustain growth in goat. <i>Animal Production Science</i> , 2021, , .	0.6	0
7	Microbial Diversity and Community Variation in the Intestines of Layer Chickens. <i>Animals</i> , 2021, 11, 840.	1.0	32
8	Bypass fat enhances liveweight gain and meat quality but not profitability of smallholder cattle fattening systems based on oil palm frond. <i>Animal Production Science</i> , 2021, , .	0.6	3
9	Naturally Produced Lovastatin Modifies the Histology and Proteome Profile of Goat Skeletal Muscle. <i>Animals</i> , 2020, 10, 72.	1.0	5
10	Palm Kernel Cake Oligosaccharides Acute Toxicity and Effects on Nitric Oxide Levels Using a Zebrafish Larvae Model. <i>Frontiers in Physiology</i> , 2020, 11, 555122.	1.3	2
11	Effects of Different Laying Hen Species on Odour Emissions. <i>Animals</i> , 2020, 10, 2172.	1.0	2
12	Oligosaccharides from Palm Kernel Cake Enhances Adherence Inhibition and Intracellular Clearance of <i>Salmonella enterica</i> Serovar <i>Enteritidis</i> In Vitro. <i>Microorganisms</i> , 2020, 8, 255.	1.6	5
13	Heterologous expression of the tetracycline resistance gene <i>tetX</i> to enhance degradability and safety in doxycycline degradation. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110214.	2.9	23
14	Extrusion enhances apparent metabolizable energy, ileal protein and amino acid digestibility of palm kernel cake in broilers. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1965-1974.	2.4	13
15	Enzymatic hydrolysis drastically reduces fibre content of palm-kernel expeller, but without enhancing performance in broiler chickens. <i>Animal Production Science</i> , 2019, 59, 2131.	0.6	8
16	Metagenomics analysis reveals significant modulation of cecal microbiota of broilers fed palm kernel expeller diets. <i>Poultry Science</i> , 2019, 98, 56-68.	1.5	10
17	Effect of feeding less shell, extruded and enzymatically treated palm kernel cake on expression of growth-related genes in broiler chickens. <i>Italian Journal of Animal Science</i> , 2019, 18, 997-1004.	0.8	6
18	The metabolism and morphology mutation response of probiotic <i>Bacillus coagulans</i> for lead stress. <i>Science of the Total Environment</i> , 2019, 693, 133490.	3.9	14

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19	Influence and characteristics of <i>Bacillus stearothermophilus</i> in ammonia reduction during layer manure composting. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 80-87.	2.9	49
20	Effects of protease supplementation of low protein and/or energy diets on growth performance and blood parameters in broiler chickens under heat stress condition. <i>Italian Journal of Animal Science</i> , 2019, 18, 679-689.	0.8	19
21	Effects of naturally-produced lovastatin on carcass characteristics, muscle physico-chemical properties and lipid oxidation and cholesterol content in goats. <i>Meat Science</i> , 2019, 154, 61-68.	2.7	7
22	Occurrence and contamination profiles of antibiotic resistance genes from swine manure to receiving environments in Guangdong Province southern China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 96-102.	2.9	36
23	Changes in the Carbon Metabolism of <i>Escherichia coli</i> During the Evolution of Doxycycline Resistance. <i>Frontiers in Microbiology</i> , 2019, 10, 2506.	1.5	15
24	Oil supplementation improved growth and diet digestibility in goat and sheep fed fattening diet. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 533-540.	2.4	5
25	Current status, challenges and the way forward for dairy goat production in Asia – conference summary of dairy goats in Asia. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 1233-1243.	2.4	19
26	Effects of fermented soybean meal on carbon and nitrogen metabolisms in large intestine of piglets. <i>Animal</i> , 2018, 12, 2056-2064.	1.3	15
27	Mode of action of <i>Saccharomyces cerevisiae</i> in enteric methane mitigation in pigs. <i>Animal</i> , 2018, 12, 239-245.	1.3	8
28	Different methods of incorporating ciprofloxacin in soil affect microbiome and degradation of ciprofloxacin residue. <i>Science of the Total Environment</i> , 2018, 619-620, 1673-1681.	3.9	13
29	Changes in nutritional values induced by butachlor in juvenile diploid and triploid <i>Clarias gariepinus</i> . <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 2117-2128.	1.8	3
30	<i>Aspergillus terreus</i> treated rice straw suppresses methane production and enhances feed digestibility in goats. <i>Tropical Animal Health and Production</i> , 2018, 50, 565-571.	0.5	16
31	Biosorption of lead (Pb ²⁺) by the vegetative and decay cells and spores of <i>Bacillus coagulans</i> R11 isolated from lead mine soil. <i>Chemosphere</i> , 2018, 211, 804-816.	4.2	31
32	Exploratory Analysis of the Microbiological Potential for Efficient Utilization of Fiber Between Lantang and Duroc Pigs. <i>Frontiers in Microbiology</i> , 2018, 9, 1342.	1.5	13
33	Effects of naturally-produced lovastatin on feed digestibility, rumen fermentation, microbiota and methane emissions in goats over a 12-week treatment period. <i>PLoS ONE</i> , 2018, 13, e0199840.	1.1	20
34	The effects of low-protein diets and protease supplementation on broiler chickens in a hot and humid tropical environment. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 1291-1300.	2.4	51
35	Conjugated linoleic acid: A potent fatty acid linked to animal and human health. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 2737-2748.	5.4	52
36	Effects of different types of biochar on methane and ammonia mitigation during layer manure composting. <i>Waste Management</i> , 2017, 61, 506-515.	3.7	167

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37	In vitro assessment on effect of duodenal contents on the lead (Pb 2+) binding capacity of two probiotic bacterial strains. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 78-82.	2.9	12
38	In vitro rumen fermentation characteristics of goat and sheep supplemented with polyunsaturated fatty acids. <i>Animal Production Science</i> , 2017, 57, 1607.	0.6	5
39	Lead biosorption of probiotic bacteria: effects of the intestinal content from laying hens. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13528-13535.	2.7	3
40	<i>In vitro</i> fermentative capacity of swine large intestine: comparison between native Lantang and commercial Duroc breeds. <i>Animal Science Journal</i> , 2017, 88, 1141-1148.	0.6	16
41	<i>In Vitro</i> Assessment of Bioactivities of <i>Lactobacillus</i> Strains as Potential Probiotics for Humans and Chickens. <i>Journal of Food Science</i> , 2017, 82, 2734-2745.	1.5	13
42	Probiotics: From Isolation to Application. <i>Journal of the American College of Nutrition</i> , 2017, 36, 666-676.	1.1	104
43	Response of broiler chickens to dietary inclusion of fermented canola meal under heat stress condition. <i>Italian Journal of Animal Science</i> , 2017, 16, 546-551.	0.8	24
44	Effects of prebiotics on immune system and cytokine expression. <i>Medical Microbiology and Immunology</i> , 2017, 206, 1-9.	2.6	119
45	Protective potential of <i>Lactobacillus</i> species in lead toxicity model in broiler chickens. <i>Animal</i> , 2017, 11, 755-761.	1.3	24
46	Chinese Herbal Medicines as Potential Agents for Alleviation of Heat Stress in Poultry. <i>Scientifica</i> , 2017, 2017, 1-8.	0.6	4
47	Modulation of Immune Function in Rats Using Oligosaccharides Extracted from Palm Kernel Cake. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	11
48	Effects of a <i>Lactobacillus salivarius</i> mixture on performance, intestinal health and serum lipids of broiler chickens. <i>PLoS ONE</i> , 2017, 12, e0175959.	1.1	76
49	In Ovo and dietary administration of oligosaccharides extracted from palm kernel cake influence general health of pre- and neonatal broiler chicks. <i>PLoS ONE</i> , 2017, 12, e0184553.	1.1	12
50	Effect of dietary fiber on the methanogen community in the hindgut of Lantang gilts. <i>Animal</i> , 2016, 10, 1666-1676.	1.3	10
51	Sodium butyrate mitigates in vitro ammonia generation in cecal content of laying hens. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16272-16279.	2.7	17
52	Higher inclusion rate of canola meal under high ambient temperature for broiler chickens. <i>Poultry Science</i> , 2016, 95, 1326-1331.	1.5	12
53	Dietary supplementation of a mixture of <i>Lactobacillus</i> strains enhances performance of broiler chickens raised under heat stress conditions. <i>International Journal of Biometeorology</i> , 2016, 60, 1099-1110.	1.3	106
54	Safety Assessment of Two New <i>Lactobacillus</i> Strains as Probiotic for Human Using a Rat Model. <i>PLoS ONE</i> , 2016, 11, e0159851.	1.1	40

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55	Effects of Tannic Acid on Performance and Fatty Acid Composition of Breast Muscle in Broiler Chickens Under Heat Stress. <i>Italian Journal of Animal Science</i> , 2015, 14, 3956.	0.8	29
56	Extraction and Characterization of Oligosaccharides from Palm Kernel Cake as Prebiotic. <i>BioResources</i> , 2015, 11, .	0.5	8
57	Effect of Dietary Lead on Intestinal Nutrient Transporters mRNA Expression in Broiler Chickens. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	33
58	A comparison between a yeast cell wall extract (Bio-Mos [®]) and palm kernel expeller as mannan-oligosaccharides sources on the performance and ileal microbial population of broiler chickens. <i>Italian Journal of Animal Science</i> , 2015, 14, 3452.	0.8	10
59	Prebiotics Mitigate <i>In Vitro</i> Sulfur-Containing Odour Generation in Caecal Content of Pigs. <i>Italian Journal of Animal Science</i> , 2015, 14, 3762.	0.8	13
60	Effects of Supplementation of Mulberry (“Morus alba“) Foliage and Urea-rice Bran as Fermentable Energy and Protein Sources in Sheep Fed Urea-treated Rice Straw Based Diet. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 494-501.	2.4	24
61	Effect of oligosaccharides extract from palm kernel expeller on growth performance, gut microbiota and immune response in broiler chickens. <i>Poultry Science</i> , 2015, 94, 2414-2420.	1.5	49
62	Comparison of oxytetracycline degradation behavior in pig manure with different antibiotic addition methods. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18469-18476.	2.7	15
63	Molecular Weight, Protein Binding Affinity and Methane Mitigation of Condensed Tannins from Mangosteen-peel (“Garcinia mangostana L“). <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 1442-1448.	2.4	19
64	Extrusion Enhances Metabolizable Energy and Ileal Amino Acids Digestibility of Canola Meal for Broiler Chickens. <i>Italian Journal of Animal Science</i> , 2014, 13, 3032.	0.8	13
65	Probiotic Potential of <i>Lactobacillus</i> Strains with Antimicrobial Activity against Some Human Pathogenic Strains. <i>BioMed Research International</i> , 2014, 2014, 1-16.	0.9	203
66	Fate of tylosin a and its effect on anaerobic digestion using two tylosin inclusion methods. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 808-813.	1.3	4
67	Effect of Solid State Fermentation on Nutrient Content and Ileal Amino Acids Digestibility of Canola Meal in Broiler Chickens. <i>Italian Journal of Animal Science</i> , 2014, 13, 3293.	0.8	21
68	Extrusion of sorghum starch enhances ruminal and intestinal digestibility, rumen microbial yield and growth in lambs fed on high-concentrate diets. <i>Animal Feed Science and Technology</i> , 2014, 189, 30-40.	1.1	12
69	Effect of the chlortetracycline addition method on methane production from the anaerobic digestion of swine wastewater. <i>Journal of Environmental Sciences</i> , 2014, 26, 2001-2006.	3.2	22
70	Lovastatin in <i>Aspergillus terreus</i> : Fermented Rice Straw Extracts Interferes with Methane Production and Gene Expression in <i>Methanobrevibacter smithii</i> . <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	18
71	Lovastatin-Enriched Rice Straw Enhances Biomass Quality and Suppresses Ruminal Methanogenesis. <i>BioMed Research International</i> , 2013, 2013, 1-13.	0.9	25
72	Effects of Enzyme Treated Palm Kernel Expeller on Metabolizable Energy, Growth Performance, Villus Height and Digesta Viscosity in Broiler Chickens. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 537-544.	2.4	31

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73	Correlation Coefficients Between Different Methods of Expressing Bacterial Quantification Using Real Time PCR. <i>International Journal of Molecular Sciences</i> , 2012, 13, 2119-2132.	1.8	41
74	Lovastatin Production by <i>Aspergillus terreus</i> Using Agro-Biomass as Substrate in Solid State Fermentation. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11.	3.0	63
75	Effect of replacing barley with corn or sorghum grain on rumen fermentation characteristics and performance of Iranian Baluchi lamb fed high concentrate rations. <i>Animal Production Science</i> , 2012, 52, 263.	0.6	14
76	Protein-Binding Affinity of Leucaena Condensed Tannins of Differing Molecular Weights. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10677-10682.	2.4	24
77	Comparison of Nitrogen Metabolism in Yak (<i>Bos grunniens</i>) and Indigenous Cattle (<i>Bos taurus</i>) on the Qinghai-Tibetan Plateau. <i>Asian-Australasian Journal of Animal Sciences</i> , 2011, 24, 766-773.	2.4	48
78	Diversity of bovine rumen methanogens <i>In vitro</i> in the presence of condensed tannins, as determined by sequence analysis of 16S rRNA gene library. <i>Journal of Microbiology</i> , 2011, 49, 492-498.	1.3	17
79	Photodegradation of Sulfadiazine by Goethite-Oxalate Suspension under UV Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3527-3532.	1.8	58
80	Effects of Varying Dietary Zinc Levels and Environmental Temperatures on the Growth Performance, Feathering Score and Feather Mineral Concentrations of Broiler Chicks. <i>Asian-Australasian Journal of Animal Sciences</i> , 2010, 23, 937-945.	2.4	19
81	The effects of concentrate added to pineapple (<i>Ananas Comosus</i> linn. Mer.) waste silage in differing ratios to form complete diets, on digestion, excretion of urinary purine derivatives and blood metabolites in growing, male, Thai swamp buffaloes. <i>Tropical Animal Health and Production</i> , 2009, 41, 449-459.	0.5	12
82	Photodegradation of polycyclic aromatic hydrocarbon pyrene by iron oxide in solid phase. <i>Journal of Hazardous Materials</i> , 2009, 162, 716-723.	6.5	101
83	Utilization of Steam-treated Oil Palm Fronds in Growing Saanen Goats: II. Supplementation with Energy and Urea. <i>Asian-Australasian Journal of Animal Sciences</i> , 2006, 19, 1623-1631.	2.4	17
84	Evaluation of Mulberry (<i>Morus alba</i>) as Potential Feed Supplement for Ruminants: The Effect of Plant Maturity on <i>In situ</i> Disappearance and <i>In vitro</i> Intestinal Digestibility of Plant Fractions. <i>Asian-Australasian Journal of Animal Sciences</i> , 2005, 18, 1569-1574.	2.4	6
85	The Potential of Mulberry (<i>Morus alba</i>) as a Fodder Crop: The Effect of Plant Maturity on Yield, Persistence and Nutrient Composition of Plant Fractions. <i>Asian-Australasian Journal of Animal Sciences</i> , 2004, 17, 1657-1662.	2.4	9
86	Nutritive Value of Wheat Straw Treated with <i>Pleurotus</i> Fungi. <i>Asian-Australasian Journal of Animal Sciences</i> , 2004, 17, 1681-1688.	2.4	24
87	Utilization of Fungal Treated Wheat Straw in the Diet of Late Lactating Cow. <i>Asian-Australasian Journal of Animal Sciences</i> , 2004, 17, 467-472.	2.4	14
88	Utilization of Oil Palm Frond - Based Diets for Beef and Dairy Production in Malaysia. <i>Asian-Australasian Journal of Animal Sciences</i> , 2003, 16, 625-634.	2.4	57
89	Ruminal and Intestinal Digestibility of Some Tropical Legume Forages. <i>Asian-Australasian Journal of Animal Sciences</i> , 2001, 14, 321-325.	2.4	18