

Juan Boo Liang

List of Publications by Year in descending order

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89
papers

2,417
citations

279487

23
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times ranked

3068
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Effects of prebiotics on immune system and cytokine expression. <i>Medical Microbiology and Immunology</i> , 2017, 206, 1-9.	2.6	119
4	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
5	Probiotics: From Isolation to Application. <i>Journal of the American College of Nutrition</i> , 2017, 36, 666-676.	1.1	104
6	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
7	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
8	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
9	Photodegradation of Sulfadiazine by Goethite-Oxalate Suspension under UV Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 3527-3532.	1.8	58
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	Effect of Dietary Lead on Intestinal Nutrient Transporters mRNA Expression in Broiler Chickens. BioMed Research International, 2015, 2015, 1-8.	0.9	33
20	Microbial Diversity and Community Variation in the Intestines of Layer Chickens. Animals, 2021, 11, 840.	1.0	32
21	Effects of Enzyme Treated Palm Kernel Expeller on Metabolizable Energy, Growth Performance, Villus Height and Digesta Viscosity in Broiler Chickens. Asian-Australasian Journal of Animal Sciences, 2013, 26, 537-544.	2.4	31
22	Biosorption of lead (Pb ²⁺) by the vegetative and decay cells and spores of Bacillus coagulans R11 isolated from lead mine soil. Chemosphere, 2018, 211, 804-816.	4.2	31
23	Effects of Tannic Acid on Performance and Fatty Acid Composition of Breast Muscle in Broiler Chickens Under Heat Stress. Italian Journal of Animal Science, 2015, 14, 3956.	0.8	29
24	Lovastatin-Enriched Rice Straw Enhances Biomass Quality and Suppresses Ruminal Methanogenesis. BioMed Research International, 2013, 2013, 1-13.	0.9	25
25	Protein-Binding Affinity of Leucaena Condensed Tannins of Differing Molecular Weights. Journal of Agricultural and Food Chemistry, 2011, 59, 10677-10682.	2.4	24
26	Effects of Supplementation of Mulberry (<i>Morus alba</i>) Foliage and Urea-rice Bran as Fermentable Energy and Protein Sources in Sheep Fed Urea-treated Rice Straw Based Diet. Asian-Australasian Journal of Animal Sciences, 2015, 28, 494-501.	2.4	24
27	Response of broiler chickens to dietary inclusion of fermented canola meal under heat stress condition. Italian Journal of Animal Science, 2017, 16, 546-551.	0.8	24
28	Protective potential of Lactobacillus species in lead toxicity model in broiler chickens. Animal, 2017, 11, 755-761.	1.3	24
29	Nutritive Value of Wheat Straw Treated with Pleurotus Fungi. Asian-Australasian Journal of Animal Sciences, 2004, 17, 1681-1688.	2.4	24
30	Heterologous expression of the tetracycline resistance gene tetX to enhance degradability and safety in doxycycline degradation. Ecotoxicology and Environmental Safety, 2020, 191, 110214.	2.9	23
31	Effect of the chlortetracycline addition method on methane production from the anaerobic digestion of swine wastewater. Journal of Environmental Sciences, 2014, 26, 2001-2006.	3.2	22
32	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.). Italian Journal of Animal Science, 2022, 21, 129-141.	0.8	22
33	Effect of Solid State Fermentation on Nutrient Content and Ileal Amino Acids Digestibility of Canola Meal in Broiler Chickens. Italian Journal of Animal Science, 2014, 13, 3293.	0.8	21
34	Effects of naturally-produced lovastatin on feed digestibility, rumen fermentation, microbiota and methane emissions in goats over a 12-week treatment period. PLoS ONE, 2018, 13, e0199840.	1.1	20
35	Effects of protease supplementation of low protein and/or energy diets on growth performance and blood parameters in broiler chickens under heat stress condition. Italian Journal of Animal Science, 2019, 18, 679-689.	0.8	19
36	Molecular Weight, Protein Binding Affinity and Methane Mitigation of Condensed Tannins from Mangosteen-peel (<i>Garcinia mangostana</i> L.). Asian-Australasian Journal of Animal Sciences, 2015, 28, 1442-1448.	2.4	19

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37	Current status, challenges and the way forward for dairy goat production in Asia – conference summary of dairy goats in Asia. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1233-1243.	2.4	19
38	Effects of Varying Dietary Zinc Levels and Environmental Temperatures on the Growth Performance, Feathering Score and Feather Mineral Concentrations of Broiler Chicks. Asian-Australasian Journal of Animal Sciences, 2010, 23, 937-945.	2.4	19
39	Lovastatin in <i>Aspergillus terreus</i> : Fermented Rice Straw Extracts Interferes with Methane Production and Gene Expression in <i>Methanobrevibacter smithii</i> . BioMed Research International, 2013, 2013, 1-10.	0.9	18
40	Ruminal and Intestinal Digestibility of Some Tropical Legume Forages. Asian-Australasian Journal of Animal Sciences, 2001, 14, 321-325.	2.4	18
41	Diversity of bovine rumen methanogens In vitro in the presence of condensed tannins, as determined by sequence analysis of 16S rRNA gene library. Journal of Microbiology, 2011, 49, 492-498.	1.3	17
42	Sodium butyrate mitigates in vitro ammonia generation in cecal content of laying hens. Environmental Science and Pollution Research, 2016, 23, 16272-16279.	2.7	17
43	Utilization of Steam-treated Oil Palm Fronds in Growing Saanen Goats: II. Supplementation with Energy and Urea. Asian-Australasian Journal of Animal Sciences, 2006, 19, 1623-1631.	2.4	17
44	<i>In vitro</i> fermentative capacity of swine large intestine: comparison between native Lantang and commercial Duroc breeds. Animal Science Journal, 2017, 88, 1141-1148.	0.6	16
45	<i>Aspergillus terreus</i> treated rice straw suppresses methane production and enhances feed digestibility in goats. Tropical Animal Health and Production, 2018, 50, 565-571.	0.5	16
46	Metabonomics reveals an alleviation of fitness cost in resistant <i>E. coli</i> competing against susceptible <i>E. coli</i> at sub-MIC doxycycline. Journal of Hazardous Materials, 2021, 405, 124215.	6.5	16
47	Comparison of oxytetracycline degradation behavior in pig manure with different antibiotic addition methods. Environmental Science and Pollution Research, 2015, 22, 18469-18476.	2.7	15
48	Effects of fermented soybean meal on carbon and nitrogen metabolisms in large intestine of piglets. Animal, 2018, 12, 2056-2064.	1.3	15
49	Changes in the Carbon Metabolism of <i>Escherichia coli</i> During the Evolution of Doxycycline Resistance. Frontiers in Microbiology, 2019, 10, 2506.	1.5	15
50	Effect of replacing barley with corn or sorghum grain on rumen fermentation characteristics and performance of Iranian Baluchi lamb fed high concentrate rations. Animal Production Science, 2012, 52, 263.	0.6	14
51	The metabolism and morphology mutation response of probiotic <i>Bacillus coagulans</i> for lead stress. Science of the Total Environment, 2019, 693, 133490.	3.9	14
52	Utilization of Fungal Treated Wheat Straw in the Diet of Late Lactating Cow. Asian-Australasian Journal of Animal Sciences, 2004, 17, 467-472.	2.4	14
53	Extrusion Enhances Metabolizable Energy and Ileal Amino Acids Digestibility of Canola Meal for Broiler Chickens. Italian Journal of Animal Science, 2014, 13, 3032.	0.8	13
54	Prebiotics Mitigate <i>In Vitro</i> Sulfur-Containing Odour Generation in Caecal Content of Pigs. Italian Journal of Animal Science, 2015, 14, 3762.	0.8	13

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55	<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
56	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
57	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
58	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
59	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
60	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
61	Higher inclusion rate of canola meal under high ambient temperature for broiler chickens. <i>Poultry Science</i> , 2016, 95, 1326-1331.	1.5	12
62	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
63	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
64	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
65	A comparison between a yeast cell wall extract (Bio-Mos [®]) and palm kernel expeller as mannan-oligosac-charides sources on the performance and ileal microbial population of broiler chickens. <i>Italian Journal of Animal Science</i> , 2015, 14, 3452.	0.8	10
66	Effect of dietary fiber on the methanogen community in the hindgut of Lantang gilts. <i>Animal</i> , 2016, 10, 1666-1676.	1.3	10
67	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
68	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
69	Extraction and Characterization of Oligosaccharides from Palm Kernel Cake as Prebiotic. <i>BioResources</i> , 2015, 11, .	0.5	8
70	Mode of action of <i>Saccharomyces cerevisiae</i> in enteric methane mitigation in pigs. <i>Animal</i> , 2018, 12, 239-245.	1.3	8
71	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
72	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

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73	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
74	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
75	Evaluation of Mulberry (<i>Morus alba</i>) as Potential Feed Supplement for Ruminants: The Effect of Plant Maturity on In situ Disappearance and In vitro Intestinal Digestibility of Plant Fractions. <i>Asian-Australasian Journal of Animal Sciences</i> , 2005, 18, 1569-1574.	2.4	6
76	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
77	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
78	Naturally Produced Lovastatin Modifies the Histology and Proteome Profile of Goat Skeletal Muscle. <i>Animals</i> , 2020, 10, 72.	1.0	5
79	Oligosaccharides from Palm Kernel Cake Enhances Adherence Inhibition and Intracellular Clearance of <i>Salmonella enterica</i> Serovar Enteritidis In Vitro. <i>Microorganisms</i> , 2020, 8, 255.	1.6	5
80	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
81	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
82	Chinese Herbal Medicines as Potential Agents for Alleviation of Heat Stress in Poultry. <i>Scientifica</i> , 2017, 2017, 1-8.	0.6	4
83	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
84	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
85	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
86	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
87	Effects of Different Laying Hen Species on Odour Emissions. <i>Animals</i> , 2020, 10, 2172.	1.0	2
88	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
89	Enhancing bypass starch in cassava chip to sustain growth in goat. <i>Animal Production Science</i> , 2021, , .	0.6	0