Anuraga Jayanegara

List of Publications by Citations

86 papers	1,252 citations	18 h-index	33 g-index
107 ext. papers	1,642 ext. citations	1.9 avg, IF	4.9 L-index

#	Paper	IF	Citations
86	Meta-analysis of the relationship between dietary tannin level and methane formation in ruminants from in vivo and in vitro experiments. *Journal of Animal Physiology and Animal Nutrition*, **2012**, 96, 365-75	2.6	165
85	Divergence between purified hydrolysable and condensed tannin effects on methane emission, rumen fermentation and microbial population in vitro. *Animal Feed Science and Technology*, **2015**, 209, 60-68	3	96
84	Comparison of nutritional quality between conventional and organic dairy products: a meta-analysis. *Journal of the Science of Food and Agriculture*, **2012**, 92, 2774-81	4.3	88
83	Dependence of forage quality and methanogenic potential of tropical plants on their phenolic fractions as determined by principal component analysis. *Animal Feed Science and Technology*, **2011**, 163, 231-243	3	79
82	Use of 3-nitrooxypropanol as feed additive for mitigating enteric methane emissions from ruminants: a meta-analysis. *Italian Journal of Animal Science*, **2018**, 17, 650-656	2.2	66
81	Tannins determined by various methods as predictors of methane production reduction potential of plants by an in vitro rumen fermentation system. *Animal Feed Science and Technology*, **2009**, 150, 230-237	3	66
80	Voluntary feed intake and digestibility of four domestic ruminant species as influenced by dietary constituents: A meta-analysis. *Livestock Science*, **2014**, 162, 76-85	1.7	57
79	Meta-analysis on Methane Mitigating Properties of Saponin-rich Sources in the Rumen: Influence of Addition Levels and Plant Sources. *Asian-Australasian Journal of Animal Sciences*, **2014**, 27, 1426-35	2.4	57
78	Significance of phenolic compounds in tropical forages for the ruminal bypass of polyunsaturated fatty acids and the appearance of biohydrogenation intermediates as examined in vitro. *Animal Production Science*, **2011**, 51, 1127	1.4	40
77	Ruminal disappearance of polyunsaturated fatty acids and appearance of biohydrogenation products when incubating linseed oil with alpine forage plant species in vitro. *Livestock Science*, **2012**, 147, 104-112	1.7	35
76	Improving Nutritional Quality of Cocoa Pod (Theobroma cacao) through Chemical and Biological Treatments for Ruminant Feeding: In vitro and In vivo Evaluation. *Asian-Australasian Journal of Animal Sciences*, **2015**, 28, 343-50	2.4	30
75	Nutrient and energy content, in vitro ruminal fermentation characteristics and methanogenic potential of alpine forage plant species during early summer. *Journal of the Science of Food and Agriculture*, **2011**, 91, 1863-70	4.3	28
74	Assessment of Anti-nutritive Activity of Tannins in Tea By-products Based on In vitro Rumen Fermentation. *Asian-Australasian Journal of Animal Sciences*, **2014**, 27, 1571-6	2.4	23
73	In vitro indications for favourable non-additive effects on ruminal methane mitigation between high-phenolic and high-quality forages. *British Journal of Nutrition*, **2013**, 109, 615-22	3.6	23
72	Silage quality as influenced by concentration and type of tannins present in the material ensiled: A meta-analysis. *Journal of Animal Physiology and Animal Nutrition*, **2019**, 103, 456-465	2.6	23
71	Fourier Transform Mid-Infrared (FTIR) Spectroscopy to Identify Tannin Compounds in The Panicle of Sorghum Mutant Lines. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 042045	0.4	19
70	Evaluation of some insects as potential feed ingredients for ruminants: chemical composition, in vitro rumen fermentation and methane emissions. *Journal of the Indonesian Tropical Animal Agriculture*, **2017**, 42, 247	0.5	18

69	Condensed Tannin Effects on Nitrogen Digestion in Ruminants: A Meta-analysis from in Vitro and in Vivo Studies. *Media Peternakan*, **2010**, 33, 176-181		18
68	Fermentation Characteristics, Tannin Contents and In vitro Ruminal Degradation of Green Tea and Black Tea By-products Ensiled at Different Temperatures. *Asian-Australasian Journal of Animal Sciences*, **2014**, 27, 937-45	2.4	17
67	Changes in nutrient composition and in vitro ruminal fermentation of total mixed ration silage stored at different temperatures and periods. *Journal of the Science of Food and Agriculture*, **2016**, 96, 1175-80	4.3	16
66	Use of black soldier fly larvae () to substitute soybean meal in ruminant diet: An rumen fermentation study. *Veterinary World*, **2017**, 10, 1439-1446	1.7	16
65	Determination of Cell Wall Protein from Selected Feedstuffs and its Relationship with Ruminal Protein Digestibility in Vitro. *Media Peternakan*, **2016**, 39, 134-140		15
64	Effect of zinc addition on the immune response and production performance of broilers: a meta-analysis. *Asian-Australasian Journal of Animal Sciences*, **2019**, 465-479	2.4	13
63	Combination Effects of Plant Extracts Rich in Tannins and Saponins as Feed Additives for Mitigating in Vitro Ruminal Methane and Ammonia Formation. *Animals*, **2020**, 10,	3.1	12
62	Excretion of faecal, urinary urea and urinary non-urea nitrogen by four ruminant species as influenced by dietary nitrogen intake: A meta-analysis. *Livestock Science*, **2017**, 198, 82-88	1.7	11
61	Evaluation of Various Starchy Foods: A Systematic Review and Meta-Analysis on Chemical Properties Affecting the Glycemic Index Values Based on In Vitro and In Vivo Experiments. *Foods*, **2021**, 10,	4.9	11
60	Nutritional Evaluation of Dairy Goat Rations Containing Indigofera zollingeriana by Using in vitro Rumen Fermentation Technique (RUSITEC). *International Journal of Dairy Science*, **2016**, 11, 100-105	0.7	10
59	Essential oils as growth-promoting additives on performance, nutrient digestibility, cecal microbes, and serum metabolites of broiler chickens: a meta-analysis. *Animal Bioscience*, **2021**, 34, 1499-1513	0	10
58	The effects of probiotics on the performance, egg quality and blood parameters of laying hens: A meta-analysis. *Journal of Animal and Feed Sciences*, **2021**, 30, 11-18	1.5	9
57	Fatty acid profiles of some insect oils and their effects on in vitro bovine rumen fermentation and methanogenesis. *Italian Journal of Animal Science*, **2020**, 19, 1310-1317	2.2	8
56	Nutritive evaluation of spent green and black tea leaf silages by in vitro gas production characteristics, ruminal degradability and post-ruminal digestibility assessed with inhibitory activity of their tannins. *Animal Science Journal*, **2018**, 89, 1656-1662	1.8	8
55	The effects of dietary medium-chain fatty acids on ruminal methanogenesis and fermentation in vitro and in vivo: A meta-analysis. *Journal of Animal Physiology and Animal Nutrition*, **2021**, 105, 874-889	2.6	7
54	Chemical composition, chitin and cell wall nitrogen content of Black Soldier Fly (Hermetia illucens) larvae after physical and biological treatment. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 042028	0.4	7
53	Derivatization of Chitin and Chitosan from Black Soldier Fly (Hermetia illucens) and Their Use as Feed Additives: An In vitro Study. *Advances in Animal and Veterinary Sciences*, **2020**, 8,	2.8	7
52	Nutrient Content, Protein Fractionation, and Utilization of Some Beans as Potential Alternatives to Soybean for Ruminant Feeding. *Media Peternakan*, **2016**, 39, 195-202		7

51	Addition of Purified Tannin Sources and Polyethylene Glycol Treatment on Methane Emission and Rumen Fermentation in Vitro. *Media Peternakan*, **2015**, 38, 57-63		6
50	Effects of dietary flavonoids on performance, blood constituents, carcass composition and small intestinal morphology of broilers: a meta-analysis. *Animal Bioscience*, **2021**, 34, 434-442	0	6
49	Effects of different lactic acid bacteria groups and fibrolytic enzymes as additives on silage quality: A meta-analysis. *Bioresource Technology Reports*, **2021**, 14, 100654	4.1	6
48	The use of cassava leaf silage as a substitute for concentrate feed in sheep. *Tropical Animal Health and Production*, **2016**, 48, 1509-12	1.7	6
47	Opportunities Offered by Plant Bioactive Compounds to Improve Silage Quality, Animal Health and Product Quality for Sustainable Ruminant Production: A Review. *Agronomy*, **2021**, 11, 86	3.6	6
46	In vitro gas production kinetics and digestibility of king grass (Pennisetum hybrid) added by organic mineral and natural crude tannin. *Journal of Applied Animal Research*, **2017**, 45, 122-125	1.7	5
45	Ensiling of total mixed ration containing persimmon peel: Evaluation of chemical composition and in vitro rumen fermentation profiles. *Animal Science Journal*, **2020**, 91, e13403	1.8	5
44	Variation of Tannin Contents in Selected Agro-Industrial By-products and their Biological Activity in Precipitating Protein. *Advances in Animal and Veterinary Sciences*, **2015**, 4, 66-70	2.8	5
43	Lowering Chitin Content of Cricket (Gryllus assimilis) Through Exoskeleton Removal and Chemical Extraction and its Utilization as a Ruminant Feed in vitro. *Pakistan Journal of Biological Sciences*, **2017**, 20, 523-529	0.8	5
42	Glycerol as an Energy Source for Ruminants: A Meta-Analysis of in Vitro Experiments. *Media Peternakan*, **2016**, 39, 189-194		5
41	Determination of Energy and Protein Requirements of Sheep in Indonesia using a Meta-analytical Approach. *Media Peternakan*, **2017**, 40, 118-127		5
40	Evaluation of chitin and chitosan from insect as feed additives to mitigate ruminal methane emission **2019**,		4
39	Estimation and validation of total digestible nutrient values of forage and concentrate feedstuffs. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 042016	0.4	4
38	Performance, Physiological Status, and Rumen Fermentation Profiles of Pre- and Post-Weaning Goat Kids Fed Cricket Meal as a Protein Source. *Tropical Animal Science Journal*, **2019**, 42, 145-151	1.5	4
37	Effects of glycerol and chestnut tannin addition in cassava leaves (Manihot esculenta Crantz) on silage quality and in vitro rumen fermentation profiles. *Journal of Applied Animal Research*, **2018**, 46, 1207-1213	1.7	4
36	Effect of heat moisture treatment on resistant starch content among carbohydrate sources: a meta-analysis. *International Journal of Food Science and Technology*,	3.8	4
35	Effects of lipid extraction on nutritive composition of winged bean (), rubber seed (), and tropical almond (). *Veterinary World*, **2018**, 11, 446-451	1.7	3
34	Optimization of the Hermetia illucens Larvae Extraction Process with Response Surface Modelling and Its Amino Acid Profile and Antibacterial Activity. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 062030	0.4	3

33	Antimicrobial Activity of Propolis Extract and Their Application as a Natural Preservative in Livestock Products: A Meta-Analysis.. *Food Science of Animal Resources*, **2022**, 42, 280-294	3.2	3
32	Reduction of proteolysis of high protein silage from Moringa and Indigofera leaves by addition of tannin extract. *Veterinary World*, **2019**, 12, 211-217	1.7	3
31	The Utilisation of Tannin Extract as a Dietary Additive in Ruminant Nutrition: A Meta-Analysis. *Animals*, **2021**, 11,	3.1	3
30	Effect of Garlic Extract and Organic Mineral Supplementation on Feed Intake, Digestibility and Milk Yield of Lactating Dairy Cows. *Asian Journal of Animal Sciences*, **2016**, 10, 213-218	0.2	3
29	The effect of annealing on resistant starch content of different crop types: a systematic review and meta-analysis study. *International Journal of Food Science and Technology*,	3.8	3
28	In vitro biological control of Ceratobasidium ramicola by using tannin extracts from Acacia villosa, Myristica fragrans, Acacia mangium, and Calliandra calothyrsus leaves. *Brazilian Journal of Biology*, **2020**, 80, 235-239	1.5	3
27	The effects of lactic acid bacteria and yeasts as probiotics on the growth performance, relative organ weight, blood parameters, and immune responses of broiler: A meta-analysis. *F1000Research*, **2021**, 10, 183	3.6	3
26	Evaluation of oil palm fronds using fiber cracking technology combined with Indigofera sp. in ruminant ration by Rusitec **2018**,		3
25	Validation of a phenol-sulfuric acid method in a microplate format for the quantification of soluble sugars in ruminant feeds. *Animal Science Journal*, **2021**, 92, e13530	1.8	3
24	Chemical compositions, contaminants, and residues of organic and conventional goat milk in Bogor District, Indonesia. *Veterinary World*, **2019**, 12, 1218-1224	1.7	2
23	The effects of lactic acid bacteria and yeasts as probiotics on the growth performance, relative organ weight, blood parameters, and immune responses of broiler: A meta-analysis. *F1000Research* ,10, 183	3.6	2
22	IMPROVING PHYSICO-CHEMICAL CHARACTERISTIC AND PALATABILITY OF KING GRASS (Pennisetum hybrid) SILAGE BY INOCULATION OF Lactobacillus plantarum - Saccharomyces cerevisiae CONSORTIA AND ADDITION OF RICE BRAN. *Buletin Peternakan*, **2017**, 41, 61	0.8	2
21	Increasing the Quality of Agricultural and Plantation Residues using Combination of Fiber Cracking Technology and Urea for Ruminant Feeds. *Tropical Animal Science Journal*, **2018**, 41, 137-146	1.5	2
20	In vitro ruminal biohydrogenation of C18 fatty acids in mixtures of Indigofera zollingeriana and Brachiaria decumbens. *Journal of the Indonesian Tropical Animal Agriculture*, **2020**, 45, 124-135	0.5	1
19	Evaluation of Ration Based on Soy Sauce By-Product on Addition of Acacia and Chestnut Tannin: An In Vitro Study. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 022020	0.4	1
18	Nutrient digestibility, fecal output of fractionated proteins, and ruminal fermentation parameters of goats fed a diet supplemented with spent green tea and black tea leaf silage.. *Animal Science Journal*, **2022**, 93, e13681	1.8	1
17	Evaluation of ensiled soy sauce by-product combined with several additives as an animal feed. *Veterinary World*, **2020**, 13, 940-946	1.7	1
16	Digestibility and Methane Emission of Ration Based on Oil Palm By Products Supplemented with Probiotics and Banana Stem: An In vitro Study. *Pakistan Journal of Nutrition*, **2014**, 14, 37-43	0.3	1

15	The effect of different types of selenium injection on the immunity, villi surface area, and growth performance of local chickens. *Veterinary World*, **2021**, 14, 1109-1115	1.7	1
14	Antimicrobial peptides as an additive in broiler chicken nutrition: a meta-analysis of bird performance, nutrient digestibility and serum metabolites. *Journal of Animal and Feed Sciences*, **2021**,	1.5	1
13	Effect of dietary tannins on the performance, lymphoid organ weight, and amino acid ileal digestibility of broiler chickens: A meta-analysis. *Veterinary World*, **2021**, 14, 1405-1411	1.7	1
12	Chemical composition and methane emission of some tropical forage legumes from Indonesia **2018** ,		1
11	Antibacterial Activity and Phytochemical Content of Silage Juice from Tropical Herbal Leaves. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 042032	0.4	0
10	Meta-analysis of dietary chitosan effects on performance, nutrient utilization, and product characteristics of ruminants.. *Animal Science Journal*, **2022**, 93, e13676	1.8	0
9	Effects of urea supplementation on ruminal fermentation characteristics, nutrient intake, digestibility, and performance in sheep: A meta-analysis.. *Veterinary World*, **2022**, 15, 331-340	1.7	0
8	Effect of vitamin E supplementation on chicken sperm quality: A meta-analysis.. *Veterinary World*, **2022**, 15, 419-426	1.7	0
7	Effects of various organic substrates on growth performance and nutrient composition of black soldier fly larvae: A meta-analysis. *Bioresource Technology Reports*, **2022**, 101061	4.1	0
6	Comparison of nutritive value between intact and defatted black soldier fly larvae for animal feed. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 042024	0.4	
5	Use of Fiber Cracking Technology to Improve the Nutritive Quality of Corn and Sugarcane By-products for Ruminant Feeds. *Pakistan Journal of Nutrition*, **2018**, 17, 568-577	0.3	
4	Effects of Different Feeding Methods on Feeding Behavior, Feed Intake and Digestibility of Lactating Dairy Cows. *International Journal of Dairy Science*, **2016**, 12, 73-80	0.7	
3	In sacco nutrient degradability of silage containing intact and defatted black soldier fly (Hermetia illucens) larvae. *Journal of the Indonesian Tropical Animal Agriculture*, **2021**, 46, 227-235	0.5	
2	The effect of anti-microbial peptide on the performance, survival rate, and diarrhea ratio the pig: A meta-analysis. *Journal of the Indonesian Tropical Animal Agriculture*, **2021**, 46, 270-281	0.5	
1	Glycerine as a feed supplement for beef and dairy cattle: A meta-analysis on performance, rumen fermentation, blood metabolites and product characteristics. *Journal of Animal Physiology and Animal Nutrition*, **2021**, 105, 419-430	2.6	