

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64 papers	1,864 citations	19 h-index	42 g-index
66 ext. papers	2,228 ext. citations	3.4 avg, IF	5.22 L-index

#	Paper	IF	Citations
64	Microbial phytase in poultry nutrition. <i>Animal Feed Science and Technology</i> , 2007 , 135, 1-41	3	470
63	Consequences of calcium interactions with phytate and phytase for poultry and pigs. <i>Livestock Science</i> , 2009 , 124, 126-141	1.7	262
62	Phytate-degrading enzymes in pig nutrition. <i>Livestock Science</i> , 2008 , 113, 99-122	1.7	200
61	Protein-phytate interactions in pig and poultry nutrition: a reappraisal. <i>Nutrition Research Reviews</i> , 2012 , 25, 1-17	7	149
60	Influence of Dietary Phytate and Exogenous Phytase on Amino Acid Digestibility in Poultry: A Review. <i>Journal of Poultry Science</i> , 2006 , 43, 89-103	1.6	66
59	The multidimensional causal factors of 'wet litter' in chicken-meat production. <i>Science of the Total Environment</i> , 2016 , 562, 766-776	10.2	60
58	Concentrations of specific phenolic compounds in six red sorghums influence nutrient utilisation in broiler chickens. <i>Animal Feed Science and Technology</i> , 2015 , 210, 190-199	3	39
57	Standard phytase inclusion in maize-based broiler diets enhances digestibility coefficients of starch, amino acids and sodium in four small intestinal segments and digestive dynamics of starch and protein. <i>Animal Feed Science and Technology</i> , 2015 , 209, 240-248	3	38
56	Strategies to enhance the performance of pigs and poultry on sorghum-based diets. <i>Animal Feed Science and Technology</i> , 2013 , 181, 1-14	3	37
55	Whole-grain feeding for chicken-meat production: possible mechanisms driving enhanced energy utilisation and feed conversion. <i>Animal Production Science</i> , 2015 , 55, 559	1.4	31
54	Dual effects of sodium phytate on the structural stability and solubility of proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 290-5	5.7	30
53	Impacts of reduced-crude protein diets on key parameters in male broiler chickens offered maize-based diets. <i>Poultry Science</i> , 2020 , 99, 505-516	3.9	29
52	Dietary starch influences growth performance, nutrient utilisation and digestive dynamics of protein and amino acids in broiler chickens offered low-protein diets. <i>Animal Feed Science and Technology</i> , 2018 , 237, 55-67	3	26
51	Grain Sorghum: A Conundrum for Chicken-Meat Production. <i>Agriculture (Switzerland)</i> , 2015 , 5, 1224-1251		26
50	Synthetic and Crystalline Amino Acids: Alternatives to Soybean Meal in Chicken-Meat Production. <i>Animals</i> , 2020 , 10,	3.1	25
49	Effects of reduced crude protein levels, dietary electrolyte balance, and energy density on the performance of broiler chickens offered maize-based diets with evaluations of starch, protein, and amino acid metabolism. <i>Poultry Science</i> , 2020 , 99, 1421-1431	3.9	23
48	Starch utilisation in chicken-meat production: the foremost influential factors. <i>Animal Production Science</i> , 2016 , 56, 797	1.4	23

47	Reducing agent and exogenous protease additions, individually and in combination, to wheat- and sorghum-based diets interactively influence parameters of nutrient utilisation and digestive dynamics in broiler chickens. <i>Animal Nutrition</i> , 2016 , 2, 303-311	4.8	21
46	Pre- and post-pellet whole grain inclusions enhance feed conversion efficiency, energy utilisation and gut integrity in broiler chickens offered wheat-based diets. <i>Animal Feed Science and Technology</i> , 2017 , 224, 115-123	3	19
45	Outlook: Sorghum as a feed grain for Australian chicken-meat production. <i>Animal Nutrition</i> , 2018 , 4, 17-308	4.8	19
44	Performance of broiler chickens offered nutritionally-equivalent diets based on two red grain sorghums with quantified kafirin concentrations as intact pellets or re-ground mash following steam-pelleting at 65 or 97°C conditioning temperatures. <i>Animal Nutrition</i> , 2015 , 1, 220-228	4.8	17
43	Rapid protein disappearance rates along the small intestine advantage poultry performance and influence the post-enteral availability of amino acids. <i>British Journal of Nutrition</i> , 2017 , 118, 1031-1042	3.6	14
42	Phytase inclusions of 500 and 2000FTU/kg in maize-based broiler diets impact on growth performance, nutrient utilisation, digestive dynamics of starch, protein (N), sodium and IP6 phytate degradation in the gizzard and four small intestinal segments. <i>Animal Feed Science and Technology</i> , 2017 , 222, 1-12	3	14
41	The interactions of exogenous phytase with whole grain feeding and effects of barley as the whole grain component in broiler diets based on wheat, sorghum and wheat-sorghum blends. <i>Animal Feed Science and Technology</i> , 2017 , 227, 1-12	3	13
40	Fishmeal and maize starch inclusions in sorghum-soybean meal diets generate different responses in growth performance, nutrient utilisation, starch and protein digestive dynamics of broiler chickens. <i>Animal Feed Science and Technology</i> , 2017 , 227, 32-41	3	13
39	Capping dietary starch:protein ratios in moderately reduced crude protein, wheat-based diets showed promise but further reductions generated inferior growth performance in broiler chickens. <i>Animal Nutrition</i> , 2020 , 6, 168-178	4.8	13
38	Comparative performance of broiler chickens offered nutritionally equivalent diets based on six diverse, Bannin-free sorghum varieties with quantified concentrations of phenolic compounds, kafirin, and phytate. <i>Animal Production Science</i> , 2017 , 57, 828	1.4	12
37	An assessment of the influence of macronutrients on growth performance and nutrient utilisation in broiler chickens by nutritional geometry. <i>British Journal of Nutrition</i> , 2016 , 116, 2129-2138	3.6	12
36	Facilitating the acceptance of tangibly reduced-crude protein diets for chicken-meat production. <i>Animal Nutrition</i> , 2020 , 6, 247-257	4.8	11
35	Glycine equivalent and threonine inclusions in reduced-crude protein, maize-based diets impact on growth performance, fat deposition, starch-protein digestive dynamics and amino acid metabolism in broiler chickens. <i>Animal Feed Science and Technology</i> , 2020 , 261, 114387	3	10
34	Sodium metabisulphite enhances energy utilisation in broiler chickens offered sorghum-based diets with five different grain varieties. <i>Animal Feed Science and Technology</i> , 2016 , 219, 159-174	3	10
33	Responses in digestibilities of macro-minerals, trace minerals and amino acids generated by exogenous phytase and xylanase in canola meal diets offered to broiler chickens. <i>Animal Feed Science and Technology</i> , 2018 , 240, 22-30	3	9
32	Growth performance, nutrient utilisation and carcass composition respond to dietary protein concentrations in broiler chickens but responses are modified by dietary lipid levels. <i>British Journal of Nutrition</i> , 2017 , 118, 250-262	3.6	9
31	Phytase Supplementation of Wheat-Based Broiler Diets Reduces Dependence on Meat-and-Bone Meal. <i>Journal of Poultry Science</i> , 2006 , 43, 330-338	1.6	9
30	Maize-based diets are more conducive to crude protein reductions than wheat-based diets for broiler chickens. <i>Animal Feed Science and Technology</i> , 2021 , 275, 114867	3	9

29	Starch digestibility and energy utilisation of maize- and wheat-based diets is superior to sorghum-based diets in broiler chickens offered diets supplemented with phytase and xylanase. <i>Animal Feed Science and Technology</i> , 2020 , 264, 114475	3	8
28	Progress towards reduced-crude protein diets for broiler chickens and sustainable chicken-meat production. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 20	6	8
27	Dietary starch to lipid ratios influence growth performance, nutrient utilisation and carcass traits in broiler chickens offered diets with different energy densities. <i>PLoS ONE</i> , 2018 , 13, e0205272	3.7	8
26	The potential of rapid visco-analysis starch pasting profiles to gauge the quality of sorghum as a feed grain for chicken-meat production. <i>Animal Nutrition</i> , 2017 , 3, 11-18	4.8	7
25	Influence of starch sources and dietary protein levels on intestinal functionality and intestinal mucosal amino acids catabolism in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 26	6	7
24	Box-Behnken optimisation of growth performance, plasma metabolites and carcass traits as influenced by dietary energy, amino acid and starch to lipid ratios in broiler chickens. <i>PLoS ONE</i> , 2019 , 14, e0213875	3.7	6
23	Evaluation of ground grain versus pre- and post-pellet whole grain additions to poultry diets via a response surface design. <i>British Poultry Science</i> , 2017 , 58, 718-728	1.9	6
22	Effects of reducing dietary crude protein and whole grain feeding on performance and amino acid metabolism in broiler chickens offered wheat-based diets. <i>Animal Feed Science and Technology</i> , 2020 , 260, 114386	3	6
21	Effects of phytase inclusions in diets containing ground wheat or 12.5% whole wheat (pre- and post-pellet) and phytase and protease additions, individually and in combination, to diets containing 12.5% pre-pellet whole wheat on the performance of broiler chickens. <i>Animal Feed Science and Technology</i> , 2017 , 234, 139-150	3	5
20	The influence of meat-and-bone meal and exogenous phytase on growth performance, bone mineralisation and digestibility coefficients of protein (N), amino acids and starch in broiler chickens. <i>Animal Nutrition</i> , 2016 , 2, 86-92	4.8	5
19	Composition and characterisation of kafirin, the dominant protein fraction in grain sorghum. <i>Animal Production Science</i> , 2020 , 60, 1163	1.4	4
18	Sorghum as a Feed Grain for Animal Production 2019 , 355-391		4
17	The influence of the selection of macronutrients coupled with dietary energy density on the performance of broiler chickens. <i>PLoS ONE</i> , 2017 , 12, e0185480	3.7	3
16	The Dynamic Conversion of Dietary Protein and Amino Acids into Chicken-Meat Protein. <i>Animals</i> , 2021 , 11,	3.1	3
15	Extending daily feed access intervals does not influence lysine HCl utilization but enhances amino acid digestibilities in broiler chickens. <i>Poultry Science</i> , 2019 , 98, 4801-4814	3.9	2
14	The influence of exogenous phytase on the post-enteral availability of amino acids in broiler chickens offered wheat-based diets. <i>Animal Feed Science and Technology</i> , 2019 , 258, 114300	3	2
13	Starch digestion rates in multiple samples of commonly used feed grains in diets for broiler chickens. <i>Animal Nutrition</i> , 2021 , 7, 450-459	4.8	2
12	Progress in comprehending the phytate-phytase axis in chicken-meat production. <i>Animal Production Science</i> , 2018 , 58, 1767	1.4	2

11	The influence of phytase, pre-pellet cracked maize and dietary crude protein level on broiler performance via response surface methodology. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 80	6	1
10	Graded methionine dietary inclusions influence growth performance and apparent ileal amino acid digestibility coefficients and disappearance rates in broiler chickens.. <i>Animal Nutrition</i> , 2022 , 8, 160-168	4.8	1
9	Feeding whole grain and phytase to meat chickens: recent Australian experience. <i>Animal Production Science</i> , 2019 , 59, 2010	1.4	1
8	Potential of CIELAB colour scores to gauge the quality of sorghum as a feed grain for chicken-meat production. <i>Animal Production Science</i> , 2020 , 60, 930	1.4	1
7	Protein digestive dynamics of meat and bone meals in broiler chickens. <i>Animal Nutrition</i> , 2020 , 6, 521-528	4.8	1
6	Implications of excreta uric acid concentrations in broilers offered reduced-crude protein diets and dietary glycine requirements for uric acid synthesis. <i>Animal Nutrition</i> , 2021 , 7, 939-946	4.8	1
5	Addressing the shortfalls of sorghum as a feed grain for chicken-meat production. <i>World's Poultry Science Journal</i> , 2021 , 77, 29-41	3	1
4	Assessment of limiting dietary amino acids in broiler chickens offered reduced crude protein diets. <i>Animal Nutrition</i> , 2022 ,	4.8	1
3	An evaluation of elevated branched-chain amino acid inclusions on the performance of broiler chickens offered reduced-crude protein, wheat-based diets from 7 to 28 days post-hatch. <i>Animal Feed Science and Technology</i> , 2022 , 286, 115255	3	0
2	Evaluation of dietary crude protein concentrations, fishmeal, and sorghum inclusions in broiler chickens offered wheat-based diet via Box-Behnken response surface design. <i>PLoS ONE</i> , 2021 , 16, e0260285	3.7	0
1	A multivariate Box-Behnken assessment of elevated branched-chain amino acid concentrations in reduced crude protein diets offered to male broiler chickens.. <i>PLoS ONE</i> , 2022 , 17, e0266080	3.7	0