

M R Bedford

List of Publications by Year in Descending Order

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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.

284
papers

8,405
citations

47
h-index

81
g-index

303
ext. papers

9,744
ext. citations

3
avg, IF

6.55
L-index

#	Paper	IF	Citations
284	Effects of diet hullless barley and beta-glucanase levels on ileal digesta soluble beta-glucan molecular weight and carbohydrate fermentation in laying hens.. <i>Poultry Science</i> , 2022 , 101, 101735	3.9	1
283	The effect of different temperatures applied during extrusion on the nutritional value of faba bean and degradation of phytic P isomers. <i>Animal Feed Science and Technology</i> , 2022 , 285, 115221	3	0
282	Interaction between xylanase and a proton pump inhibitor on broiler chicken performance and gut function.. <i>Animal Nutrition</i> , 2022 , 8, 277-288	4.8	1
281	The role of feed enzymes in maintaining poultry intestinal health. <i>Journal of the Science of Food and Agriculture</i> , 2021 ,	4.3	4
280	Over-processed meat and bone meal and phytase effects on broilers challenged with subclinical necrotic enteritis: Part 3. Bone mineralization and litter quality. <i>Animal Nutrition</i> , 2021 , 7, 142-151	4.8	
279	Contrasting the effects of phytase and pure myo-inositol on the performance, digestibility, blood and egg yolk inositol levels and digestion physiology of laying hens. <i>British Poultry Science</i> , 2021 , 62, 517-527	1.9	2
278	Inositol and gradient phytase supplementation in broiler diets during a 6-week production period: 2. Effects on phytate degradation and inositol liberation in gizzard and ileal digesta contents. <i>Poultry Science</i> , 2021 , 100, 100899	3.9	0
277	Effects of hullless barley and exogenous beta-glucanase levels on ileal digesta soluble beta-glucan molecular weight, digestive tract characteristics, and performance of broiler chickens. <i>Poultry Science</i> , 2021 , 100, 100967	3.9	8
276	Effect of xylanase and xylo-oligosaccharide supplementation on growth performance and faecal bacterial community composition in growing pigs. <i>Animal Feed Science and Technology</i> , 2021 , 274, 114822	3.2	2
275	Effects of exogenous β -glucanase on ileal digesta soluble β -glucan molecular weight, digestive tract characteristics, and performance of coccidiosis vaccinated broiler chickens fed hullless barley-based diets with and without medication. <i>PLoS ONE</i> , 2021 , 16, e0236231	3.7	0
274	Importance of considering non-starch polysaccharide content of poultry diets. <i>Worlds Poultry Science Journal</i> , 2021 , 77, 619-637	3	2
273	Comparison of the apparent ileal calcium digestibility of limestone in broilers and layers. <i>British Poultry Science</i> , 2021 , 1-6	1.9	1
272	Endogenous enzyme activities and tibia bone development of broiler chickens fed wheat-based diets supplemented with xylanase, β -glucanase and phytase. <i>Animal Bioscience</i> , 2021 , 34, 1049-1060	0	1
271	Growth performance, real-time gizzard pH and calcium solubility in the gut of broiler chickens is dependent on the interaction between dietary calcium concentration and limestone particle size. <i>British Poultry Science</i> , 2021 , 1-8	1.9	0
270	Evaluation of xylanase and a fermentable xylo-oligosaccharide on performance and ileal digestibility of broiler chickens fed energy and amino acid deficient diets. <i>Animal Nutrition</i> , 2021 , 7, 488-495	4.8	3
269	Xylanase improves growth performance, enhances cecal short-chain fatty acids production, and increases the relative abundance of fiber fermenting cecal microbiota in broilers. <i>Animal Feed Science and Technology</i> , 2021 , 277, 114956	3	7
268	Effects of gelatin as an alternative protein source and mono-component protease supplementation on growth performance, viscosity, digestibility and microbial population of ileal digesta, digestive tract traits and gut morphology of broiler chickens. <i>Livestock Science</i> , 2021 , 244, 104326	1.7	

267	True ileal calcium digestibility in soybean meal and canola meal, and true ileal phosphorous digestibility in maize-soybean meal and maize-canola meal diets, without and with microbial phytase, for broiler growers and finishers. <i>British Poultry Science</i> , 2021 , 62, 293-303	1.9	5
266	Effect of sequential feeding of phosphorus-deficient diets and high-dose phytase on efficient phosphorus utilization in broiler chickens. <i>Livestock Science</i> , 2021 , 243, 104368	1.7	0
265	Influence of exogenous phytase supplementation on phytate degradation, plasma inositol, alkaline phosphatase, and glucose concentrations of broilers at 28 days of age. <i>Poultry Science</i> , 2021 , 100, 224-234	3.9	1
264	Hulless barley and beta-glucanase levels in the diet affect the performance of coccidiosis-challenged broiler chickens in an age-dependent manner. <i>Poultry Science</i> , 2021 , 100, 776-787	3.9	1
263	Inositol and gradient phytase supplementation in broiler diets during a 6-week production period: 1. effects on growth performance and meat yield. <i>Poultry Science</i> , 2021 , 100, 964-972	3.9	1
262	The effects of the fiber source and xylanase supplementation on production, egg quality, digestibility, and intestinal morphology in the aged laying hen. <i>Poultry Science</i> , 2021 , 100, 100936	3.9	1
261	Xylanase Supplementation Modulates the Microbiota of the Large Intestine of Pigs Fed Corn-Based Fiber by Means of a Stimbiotic Mechanism of Action. <i>Frontiers in Microbiology</i> , 2021 , 12, 619970	5.7	3
260	Application of Creep Feed and Phytase Super-Dosing as Tools to Support Digestive Adaption and Feed Efficiency in Piglets at Weaning. <i>Animals</i> , 2021 , 11,	3.1	4
259	Hypoxia further exacerbates woody breast myopathy in broilers via alteration of satellite cell fate. <i>Poultry Science</i> , 2021 , 100, 101167	3.9	4
258	Growth performance and total tract digestibility in broiler chickens fed different corn hybrids. <i>Poultry Science</i> , 2021 , 100, 101218	3.9	3
257	Requirement of digestible calcium at different dietary concentrations of digestible phosphorus for broiler chickens. 1. Broiler starters (d 1 to 10 post-hatch). <i>Poultry Science</i> , 2021 , 100, 101439	3.9	2
256	Soluble non-starch polysaccharide modulates broiler gastrointestinal tract environment. <i>Poultry Science</i> , 2021 , 100, 101183	3.9	4
255	Effects of phytase supplementation and increased nutrient density on growth performance, carcass characteristics, and hypothalamic appetitive hormone expression and catecholamine concentrations in broilers from 1 to 43 days of age. <i>Poultry Science</i> , 2021 , 100, 101495	3.9	0
254	Effect of sodium sources and exogenous phytase supplementation on growth performance, nutrient digestibility, and digesta pH of 21-day-old broilers. <i>Poultry Science</i> , 2021 , 100, 101467	3.9	0
253	Effects of supplemental xylanase and xylooligosaccharides on production performance and gut health variables of broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 98	6	6
252	Feed endoxylanase type and dose affect arabinoxylan hydrolysis and fermentation in ageing broilers. <i>Animal Nutrition</i> , 2021 , 7, 787-800	4.8	3
251	Hulless barley and β-glucanase affect ileal digesta soluble beta-glucan molecular weight and digestive tract characteristics of coccidiosis-vaccinated broilers. <i>Animal Nutrition</i> , 2021 , 7, 595-608	4.8	1
250	Comparative digestibility and retention of calcium and phosphorus in normal- and high-phytate diets fed to gestating sows and growing pigs. <i>Animal Feed Science and Technology</i> , 2021 , 280, 115084	3	0

249	Xylanase modulates the microbiota of ileal mucosa and digesta of pigs fed corn-based arabinoxylans likely through both a stimbiotic and prebiotic mechanism. <i>PLoS ONE</i> , 2021 , 16, e0246144	3.7	4
248	Maize nutrient composition and the influence of xylanase addition. <i>Journal of Cereal Science</i> , 2021 , 97, 103155	3.8	2
247	Strategies to determine the efficacy of multiple phytase use at low activities using Ross x Ross 708 male broilers from 0 to 14 d. <i>Journal of Applied Poultry Research</i> , 2020 , 29, 977-994	2	
246	Influence of meat and bone meal, phytase, and antibiotics on broiler chickens challenged with subclinical necrotic enteritis: 2. intestinal permeability, organ weights, hematology, intestinal morphology, and jejunal gene expression. <i>Poultry Science</i> , 2020 , 99, 2581-2594	3.9	11
245	Interactive effect of dietary calcium and phytase on broilers challenged with subclinical necrotic enteritis: 3. Serum calcium and phosphorus, and bone mineralization. <i>Poultry Science</i> , 2020 , 99, 3617-3627	3.9	2
244	Arabinoxylan-oligosaccharides kick-start arabinoxylan digestion in the aging broiler. <i>Poultry Science</i> , 2020 , 99, 2555-2565	3.9	14
243	Research Note: Dietary phytase reduces broiler woody breast severity via potential modulation of breast muscle fatty acid profiles. <i>Poultry Science</i> , 2020 , 99, 4009-4015	3.9	3
242	Volatile basic nitrogen measurement in digesta using a Berthelot reaction in automated Skalar instrumentation. <i>Animal Nutrition</i> , 2020 , 6, 225-230	4.8	2
241	Over-processed meat and bone meal and phytase effects on broilers challenged with subclinical necrotic enteritis: Part 1. Performance, intestinal lesions and pH, bacterial counts and apparent ileal digestibility. <i>Animal Nutrition</i> , 2020 , 6, 313-324	4.8	2
240	Effect of age and dietary crude protein content on the apparent ileal calcium digestibility of limestone in broiler chickens. <i>Animal Feed Science and Technology</i> , 2020 , 263, 114468	3	6
239	Effect of phytase on nutrient digestibility and expression of intestinal tight junction and nutrient transporter genes in pigs. <i>Journal of Animal Science</i> , 2020 , 98,	0.7	8
238	Comparative aspects of phytase and xylanase effects on performance, mineral digestibility, and ileal phytate degradation in broilers and turkeys. <i>Poultry Science</i> , 2020 , 99, 1528-1539	3.9	9
237	Influence of meat and bone meal, phytase, and antibiotics on broiler chickens challenged with subclinical necrotic enteritis: 1. growth performance, intestinal pH, apparent ileal digestibility, cecal microbiota, and tibial mineralization. <i>Poultry Science</i> , 2020 , 99, 1540-1550	3.9	8
236	Simultaneous determination of cereal monosaccharides, xylo- and arabinoxylo-oligosaccharides and uronic acids using HPAEC-PAD. <i>Food Chemistry</i> , 2020 , 315, 126221	8.5	9
235	Stimbiotic supplementation improved performance and reduced inflammatory response via stimulating fiber fermenting microbiome in weaner pigs housed in a poor sanitary environment and fed an antibiotic-free low zinc oxide diet. <i>PLoS ONE</i> , 2020 , 15, e0240264	3.7	9
234	Over-processed meat and bone meal and phytase effects on broilers challenged with subclinical necrotic enteritis: Part 2. Inositol phosphate esters hydrolysis, intestinal permeability, hematology, jejunal gene expression and intestinal morphology. <i>Animal Nutrition</i> , 2020 , 6, 488-498	4.8	1
233	Application of exogenous enzymes: is digestibility an appropriate response variable?. <i>Animal Production Science</i> , 2020 , 60, 993	1.4	3
232	PSVIII-3 Can the fermentation of insoluble corn fiber be improved in the pig? An investigation into the in vivo mode of action of xylanase. <i>Journal of Animal Science</i> , 2020 , 98, 207-207	0.7	1

231	Effect of phytase on phosphorous balance in 20-kg barrows fed low or adequate phosphorous diets. <i>Animal Nutrition</i> , 2020 , 6, 9-15	4.8	7
230	Matrix values for exogenous enzymes and their application in the real world. <i>Journal of Applied Poultry Research</i> , 2020 , 29, 15-22	2	8
229	In vitro versus in situ evaluation of xylan hydrolysis into xylo-oligosaccharides in broiler chicken gastrointestinal tract. <i>Carbohydrate Polymers</i> , 2020 , 230, 115645	10.3	7
228	Snapshots during the catalytic cycle of a histidine acid phytase reveal an induced-fit structural mechanism. <i>Journal of Biological Chemistry</i> , 2020 , 295, 17724-17737	5.4	2
227	Interactive effect of 2 dietary calcium and phytase levels on broilers challenged with subclinical necrotic enteritis: part 1-broiler performance, gut lesions and pH, bacterial counts, and apparent ileal digestibility. <i>Poultry Science</i> , 2020 , 99, 4861-4873	3.9	2
226	Interactive effect of dietary calcium and phytase on broilers challenged with subclinical necrotic enteritis: part 2. Gut permeability, phytate ester concentrations, jejunal gene expression, and intestinal morphology. <i>Poultry Science</i> , 2020 , 99, 4914-4928	3.9	4
225	Dietary xylanase and live yeast supplementation influence intestinal bacterial populations and growth performance of piglets fed a sorghum-based diet. <i>Animal Nutrition</i> , 2020 , 6, 457-466	4.8	1
224	Xylanase increased the energetic contribution of fiber and improved the oxidative status, gut barrier integrity, and growth performance of growing pigs fed insoluble corn-based fiber. <i>Journal of Animal Science</i> , 2020 , 98,	0.7	13
223	Muscle Metabolome Profiles in Woody Breast-(un)Affected Broilers: Effects of Quantum Blue Phytase-Enriched Diet. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 458	3.1	6
222	The effects of exogenous xylanase supplementation on the generation of xylooligosaccharides and monosaccharides in broilers fed a wheat-based diet. <i>British Poultry Science</i> , 2020 , 61, 471-481	1.9	2
221	Efficacy and stability of a novel silica supplement for improving bone development in broilers. <i>British Poultry Science</i> , 2020 , 61, 719-724	1.9	1
220	Dietary calcium and meat and bone meal as potential precursors for the onset of necrotic enteritis. <i>Worlds Poultry Science Journal</i> , 2020 , 76, 743-756	3	1
219	Xylanase and xylo- oligosaccharide prebiotic improve the growth performance and concentration of potentially prebiotic oligosaccharides in the ileum of broiler chickens. <i>British Poultry Science</i> , 2020 , 61, 70-78	1.9	21
218	An advanced <i>Escherichia coli</i> phytase improves performance and retention of phosphorus and nitrogen in rainbow trout (<i>Oncorhynchus mykiss</i>) fed low phosphorus plant-based diets, at 11 °C and 15 °C. <i>Aquaculture</i> , 2020 , 516, 734549	4.4	7
217	Effect of timing of postweaning xylanase supplementation on growth performance, nutrient digestibility, and fecal microbial composition in weanling pigs. <i>Canadian Journal of Animal Science</i> , 2020 , 100, 27-36	0.9	1
216	Effect of age on the relationship between metabolizable energy and digestible energy for broiler chickens. <i>Poultry Science</i> , 2020 , 99, 320-330	3.9	15
215	Short-chain fatty acids and ceca microbiota profiles in broilers and turkeys in response to diets supplemented with phytase at varying concentrations, with or without xylanase. <i>Poultry Science</i> , 2020 , 99, 2068-2077	3.9	12
214	The association between faecal host DNA or faecal calprotectin and feed efficiency in pigs fed yeast-enriched protein concentrate. <i>Animal</i> , 2019 , 13, 2483-2491	3.1	2

213	Effects of age and supplemental xylanase in corn- and wheat-based diets on cecal volatile fatty acid concentrations of broilers1. <i>Poultry Science</i> , 2019 , 98, 4787-4800	3.9	4
212	Age-related arabinoxylan hydrolysis and fermentation in the gastrointestinal tract of broilers fed wheat-based diets. <i>Poultry Science</i> , 2019 , 98, 4606-4621	3.9	36
211	Wheat sample affects growth performance and the apparent metabolisable energy value for broiler chickens. <i>British Poultry Science</i> , 2019 , 60, 457-466	1.9	3
210	Effect of a high dose of exogenous phytase and supplementary myo-inositol on mineral solubility of broiler digesta and diets subjected to in vitro digestion assay. <i>Poultry Science</i> , 2019 , 98, 3870-3883	3.9	3
209	Response of broiler chickens to xylanase and butyrate supplementation. <i>Poultry Science</i> , 2019 , 98, 3914-3925	3.9	18
208	Sampling duration and freezing temperature influence the analysed gastric inositol phosphate composition of pigs fed diets with different levels of phytase. <i>Animal Nutrition</i> , 2019 , 5, 196-201	4.8	2
207	Effects of cereal grain source and supplemental xylanase concentrations on broiler growth performance and cecal volatile fatty acid concentrations from 1 to 40 d of age2. <i>Poultry Science</i> , 2019 , 98, 2866-2879	3.9	4
206	Chapter 12 Adaptation of the microbiome towards fibre digestion: effects of age and dietary ingredients 2019 , 199-216		2
205	Chapter 14 New strategies influencing gut functionality and animal performance 2019 , 233-254		4
204	Chapter 21 Future prospects for non-starch polysaccharide degrading enzymes development in monogastric nutrition 2019 , 373-383		3
203	Dietary Inositol Reduces Fearfulness and Avoidance in Laying Hens. <i>Animals</i> , 2019 , 9,	3.1	3
202	Review on docosahexaenoic acid in poultry and swine nutrition: Consequence of enriched animal products on performance and health characteristics. <i>Animal Nutrition</i> , 2019 , 5, 11-21	4.8	26
201	The effect of carbohydrases or prebiotic oligosaccharides on growth performance, nutrient utilisation and development of small intestine and immune organs in broilers fed nutrient-adequate diets based on either wheat or barley. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 3246-3254	4.3	11
200	Phytase as an alleviator of high-temperature stress in broilers fed adequate and low dietary calcium. <i>Poultry Science</i> , 2019 , 98, 2122-2132	3.9	5
199	Relationship between peptide YY, cholecystokinin and fermentation products in fasted, re-fed and ad libitum fed broiler chickens. <i>Animal Feed Science and Technology</i> , 2019 , 247, 141-148	3	5
198	Comparative effects of wheat varieties and xylanase supplementation on growth performance, nutrient utilization, net energy, and whole-body energy and nutrient partitioning in broilers at different ages. <i>Poultry Science</i> , 2019 , 98, 2179-2188	3.9	8
197	Investigation of xylanase, diet formulation method for energy, and choice of digestibility index marker on nutrient and energy utilization for broiler chickens and pigs. <i>Journal of Animal Science</i> , 2019 , 97, 279-290	0.7	0
196	Effect of phytase on growth performance, phytate degradation and gene expression of myo-inositol transporters in the small intestine, liver and kidney of 21 day old broilers. <i>Poultry Science</i> , 2018 , 97, 1155-1162	3.9	29

195	Meta-analysis: explicit value of mono-component proteases in monogastric diets. <i>Poultry Science</i> , 2018 , 97, 2078-2085	3.9	13
194	Superdosing phytase reduces real-time gastric pH in broilers and weaned piglets. <i>British Poultry Science</i> , 2018 , 59, 330-339	1.9	8
193	Intermittent lighting improves resilience of broilers during the peak phase of sub-clinical necrotic enteritis infection. <i>Poultry Science</i> , 2018 , 97, 438-446	3.9	15
192	SnoopLigase Catalyzes Peptide-Peptide Locking and Enables Solid-Phase Conjugate Isolation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3008-3018	16.4	39
191	Evaluation of dietary calcium level and source and phytase on growth performance, serum metabolites, and ileum mineral contents in broiler chicks fed adequate phosphorus diets from one to 28 days of age. <i>Poultry Science</i> , 2018 , 97, 1283-1289	3.9	6
190	The effects of xylanase on grower pig performance, concentrations of volatile fatty acids and peptide YY in portal and peripheral blood. <i>Animal</i> , 2018 , 12, 2499-2504	3.1	6
189	The use of NSP enzymes in poultry nutrition: myths and realities. <i>Worlds Poultry Science Journal</i> , 2018 , 74, 277-286	3	31
188	Iron status of piglets and impact of phytase superdosing on iron physiology: A review. <i>Animal Feed Science and Technology</i> , 2018 , 235, 8-14	3	16
187	Exogenous phytase and xylanase exhibit opposing effects on real-time gizzard pH in broiler chickens. <i>British Poultry Science</i> , 2018 , 59, 568-578	1.9	16
186	Prospects of improving efficiency of feed utilisation in broiler. <i>Worlds Poultry Science Journal</i> , 2018 , 74, 427-442	3	4
185	Xylo-oligosaccharides display a prebiotic activity when used to supplement wheat or corn-based diets for broilers. <i>Poultry Science</i> , 2018 , 97, 4330-4341	3.9	30
184	The effects of phytase and xylanase supplementation on performance and egg quality in laying hens. <i>British Poultry Science</i> , 2018 , 59, 554-561	1.9	11
183	The evolution and application of enzymes in the animal feed industry: the role of data interpretation. <i>British Poultry Science</i> , 2018 , 59, 486-493	1.9	74
182	Effect of diet phase change, dietary Ca and P level and phytase on bird performance and real-time gizzard pH measurements. <i>British Poultry Science</i> , 2017 , 58, 290-297	1.9	8
181	Hydrolysis of phytate to its lower esters can influence the growth performance and nutrient utilization of broilers with regular or super doses of phytase. <i>Poultry Science</i> , 2017 , 96, 2243-2253	3.9	47
180	Response of broiler chickens fed wheat-based diets to xylanase supplementation. <i>Poultry Science</i> , 2017 , 96, 2776-2785	3.9	18
179	Response of turkeys fed wheat-barley-rye based diets to xylanase supplementation. <i>Animal Feed Science and Technology</i> , 2017 , 229, 117-123	3	11
178	Efficiency of xylanases from families 10 and 11 in production of xylo-oligosaccharides from wheat arabinoxylans. <i>Carbohydrate Polymers</i> , 2017 , 167, 290-296	10.3	41

177	Recent findings regarding calcium and phytase in poultry nutrition. <i>Animal Production Science</i> , 2017 , 57, 2311	1.4	16
176	Age and dietary xylanase supplementation affects ileal sugar residues and short chain fatty acid concentration in the ileum and caecum of broiler chickens. <i>Animal Feed Science and Technology</i> , 2017 , 234, 29-42	3	39
175	Effects of a high dose of microbial phytase and myo-inositol supplementation on growth performance, tibia mineralization, nutrient digestibility, litter moisture content, and foot problems in broiler chickens fed phosphorus-deficient diets. <i>Poultry Science</i> , 2017 , 96, 3664-3675	3.9	27
174	Methodology affects measures of phosphorus availability in growing broilers: Effects of calcium feeding strategy and dietary adaptation period length on true ileal phosphorus digestibility and predicted endogenous phosphorus losses ¹ . <i>Poultry Science</i> , 2017 , 96, 611-621	3.9	2
173	Methodology affects measures of phosphorus availability in growing broilers. 2. Effects of calcium feeding strategy and dietary adaptation period length on phytate hydrolysis at different locations in the gastrointestinal tract ¹ . <i>Poultry Science</i> , 2017 , 96, 622-633	3.9	3
172	Effect of phytase superdosing, myo-inositol and available phosphorus concentrations on performance and bone mineralisation in broilers. <i>Animal Nutrition</i> , 2017 , 3, 247-251	4.8	15
171	Evaluation of the effect of different wheats and xylanase supplementation on performance, nutrient and energy utilisation in broiler chicks. <i>Animal Nutrition</i> , 2016 , 2, 173-179	4.8	22
170	Draft Genome Sequences of Six Novel Bacterial Isolates from Chicken Ceca. <i>Genome Announcements</i> , 2016 , 4,		4
169	Effect of feeding broilers diets differing in susceptible phytate content. <i>Animal Nutrition</i> , 2016 , 2, 33-39	4.8	11
168	Effects of calcium feeding strategy on true ileal phosphorus digestibility and true phosphorus retention determined with growing broilers. <i>Poultry Science</i> , 2016 , 95, 1077-87	3.9	8
167	Assessing measurements in feed enzyme research: Phytase evaluations in broilers. <i>Journal of Applied Poultry Research</i> , 2016 , 25, 305-314	2	14
166	Chapter 17 Trace minerals [what role should they play in today's poultry industry with respect to fast growth rate and woody breast? 2016 , 251-266		1
165	Chapter 3 Reduction of phytate to tetrakisphosphate (IP ₄) to trisphosphate (IP ₃), or perhaps even lower, does not remove its antinutritive properties 2016 , 45-52		7
164	Inositol - An effective growth promotor?. <i>World's Poultry Science Journal</i> , 2016 , 72, 743-760	3	34
163	Interactive effects of dietary adaptation period length and titration diet type on apparent ileal phosphorus digestibility and phosphorus retention in growing broilers. <i>Poultry Science</i> , 2016 , 95, 2332-41	3.9	5
162	Ovodefensins, an Oviduct-Specific Antimicrobial Gene Family, Have Evolved in Birds and Reptiles to Protect the Egg by Both Sequence and Intra-Six-Cysteine Sequence Motif Spacing. <i>Biology of Reproduction</i> , 2015 , 92, 154	3.9	28
161	Contribution of intestinal- and cereal-derived phytase activity on phytate degradation in young broilers. <i>Poultry Science</i> , 2015 , 94, 1577-83	3.9	16
160	Enzymes enhance degradation of the fiber-starch-protein matrix of distillers dried grains with solubles as revealed by a porcine in vitro fermentation model and microscopy. <i>Journal of Animal Science</i> , 2015 , 93, 1039-51	0.7	36

159	Quantitative relationships between standardized total tract digestible phosphorus and total calcium intakes and their retention and excretion in growing pigs fed corn-soybean meal diets. <i>Journal of Animal Science</i> , 2015 , 93, 2174-82	0.7	11
158	Phytase modulates ileal microbiota and enhances growth performance of the broiler chickens. <i>PLoS ONE</i> , 2015 , 10, e0119770	3.7	47
157	Acute kidney injury: an acceptable risk of treatment with renin-angiotensin system blockade in primary care?. <i>Canadian Journal of Kidney Health and Disease</i> , 2015 , 2, 14	2.3	6
156	Directing specialist care through email admission alerting. <i>Future Hospital Journal</i> , 2015 , 2, 34-37		
155	The effect of dietary calcium inclusion on broiler gastrointestinal pH: quantification and method optimization. <i>Poultry Science</i> , 2014 , 93, 354-63	3.9	27
154	Effects of step-up and step-down phytase regimens on performance and processing yields of male broilers from 1 to 35 d of age. <i>Journal of Applied Poultry Research</i> , 2014 , 23, 252-259	2	2
153	Nutritional geometry of calcium and phosphorus nutrition in broiler chicks. Growth performance, skeletal health and intake arrays. <i>Animal</i> , 2014 , 8, 1071-9	3.1	21
152	Influence of the in vivo method and basal dietary ingredients employed in the determination of the amino acid digestibility of wheat distillers dried grains with solubles in broilers. <i>Poultry Science</i> , 2014 , 93, 1178-85	3.9	9
151	What is the real impact of acute kidney injury?. <i>BMC Nephrology</i> , 2014 , 15, 95	2.7	59
150	The economic impact of acute kidney injury in England. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1362-8	4.3	160
149	Effect of dietary nonphytate phosphorus and calcium concentration on calcium appetite of broiler chicks. <i>Poultry Science</i> , 2014 , 93, 1695-703	3.9	21
148	Influence of superdoses of a novel microbial phytase on growth performance, tibia ash, and gizzard phytate and inositol in young broilers. <i>Poultry Science</i> , 2014 , 93, 1172-7	3.9	80
147	In vitro versus in situ evaluation of the effect of phytase supplementation on calcium and phosphorus solubility in soya bean and rapeseed meal broiler diets. <i>British Poultry Science</i> , 2014 , 55, 238-45	1.9	8
146	A comparative study of the iron status of patients with oesophageal adenocarcinoma to determine suitability for a clinical trial of iron chelation therapy. <i>Annals of the Royal College of Surgeons of England</i> , 2014 , 96, 275-8	1.4	2
145	Do acute elevations of serum creatinine in primary care engender an increased mortality risk?. <i>BMC Nephrology</i> , 2014 , 15, 206	2.7	14
144	Separate feeding of calcium improves performance and ileal nutrient digestibility in broiler chicks. <i>Animal Production Science</i> , 2014 , 54, 172	1.4	29
143	Effect of increasing supplemental phytase concentration in diets fed to Hubbard [Cobb 500 male broilers from 1 to 42 days of age. <i>Journal of Applied Poultry Research</i> , 2014 , 23, 705-714	2	10
142	Nutritional geometry of calcium and phosphorus nutrition in broiler chicks. The effect of different dietary calcium and phosphorus concentrations and ratios on nutrient digestibility. <i>Animal</i> , 2014 , 8, 1080-8	3.1	16

141	Extensive microbial and functional diversity within the chicken cecal microbiome. <i>PLoS ONE</i> , 2014 , 9, e91941	3.7	239
140	Black ethnicity predicts better survival on dialysis despite greater deprivation and co-morbidity: a UK study. <i>Clinical Nephrology</i> , 2014 , 82, 77-82	2.1	7
139	Multicarbohydrase Enzymes for Non-ruminants. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014 , 27, 290-301	2.4	77
138	Extra-phosphoric effects of superdoses of a novel microbial phytase. <i>Poultry Science</i> , 2013 , 92, 719-25	3.9	65
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