

M R Bedford

List of Publications by Citations

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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	Exogenous enzymes for pigs and poultry. <i>Nutrition Research Reviews</i> , 1998 , 11, 91-114	7	340
283	Increased small intestinal fermentation is partly responsible for the anti-nutritive activity of non-starch polysaccharides in chickens. <i>British Poultry Science</i> , 1996 , 37, 609-21	1.9	331
282	Exogenous enzymes in monogastric nutrition [their current value and future benefits. <i>Animal Feed Science and Technology</i> , 2000 , 86, 1-13	3	323
281	Reduction of intestinal viscosity through manipulation of dietary rye and pentosanase concentration is effected through changes in the carbohydrate composition of the intestinal aqueous phase and results in improved growth rate and food conversion efficiency of broiler chicks. <i>Journal of Nutrition</i> , 1992 , 122, 560-9	4.1	259
280	The effects of phytase and phytic acid on the loss of endogenous amino acids and minerals from broiler chickens. <i>British Poultry Science</i> , 2004 , 45, 101-8	1.9	251
279	Extensive microbial and functional diversity within the chicken cecal microbiome. <i>PLoS ONE</i> , 2014 , 9, e91941	3.7	239
278	Removal of antibiotic growth promoters from poultry diets: implications and strategies to minimise subsequent problems. <i>Worlds Poultry Science Journal</i> , 2000 , 56, 347-365	3	190
277	Enzyme applications for monogastric feeds: A review. <i>Canadian Journal of Animal Science</i> , 1992 , 72, 449-466	1.9	189
276	Effects of a xylanase on individual bird variation, starch digestion throughout the intestine, and ileal and caecal volatile fatty acid production in chickens fed wheat. <i>British Poultry Science</i> , 1999 , 40, 419-22	1.9	167
275	Mechanism of action and potential environmental benefits from the use of feed enzymes. <i>Animal Feed Science and Technology</i> , 1995 , 53, 145-155	3	165
274	The economic impact of acute kidney injury in England. <i>Nephrology Dialysis Transplantation</i> , 2014 , 29, 1362-8	4.3	160
273	Exogenous enzymes and their effects on intestinal microbiology. <i>Animal Feed Science and Technology</i> , 2012 , 173, 76-85	3	151
272	The effect of pelleting, salt, and pentosanase on the viscosity of intestinal contents and the performance of broilers fed rye. <i>Poultry Science</i> , 1991 , 70, 1571-7	3.9	128
271	An in vitro assay for prediction of broiler intestinal viscosity and growth when fed rye-based diets in the presence of exogenous enzymes. <i>Poultry Science</i> , 1993 , 72, 137-43	3.9	126
270	The use of enzymes in poultry diets. <i>Worlds Poultry Science Journal</i> , 1996 , 52, 61-68	3	125
269	Super-dosing effects of phytase in poultry and other monogastrics. <i>Worlds Poultry Science Journal</i> , 2011 , 67, 225-236	3	122
268	Percent G+C profiling accurately reveals diet-related differences in the gastrointestinal microbial community of broiler chickens. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 5656-67	4.8	122

267	The effect of phytase and carbohydrase on ileal amino acid digestibility in monogastric diets: complimentary mode of action?. <i>Worlds Poultry Science Journal</i> , 2009 , 65, 609-624	3	109
266	Phytic acid and phytase: implications for protein utilization by poultry. <i>Poultry Science</i> , 2006 , 85, 878-85	3.9	104
265	Influence of limestone and phytase on broiler performance, gastrointestinal pH, and apparent ileal nutrient digestibility. <i>Poultry Science</i> , 2012 , 91, 1371-8	3.9	93
264	Efficacy of an evolved Escherichia coli phytase in diets of broiler chicks. <i>Poultry Science</i> , 2005 , 84, 248-55	3.9	90
263	Supplementation of corn-soy-based diets with an Escherichia coli-derived phytase: effects on broiler chick performance and the digestibility of amino acids and metabolizability of minerals and energy. <i>Poultry Science</i> , 2006 , 85, 1389-97	3.9	87
262	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
261	Interactions between xylanase and glucanase in maize-soy-based diets for broilers. <i>British Poultry Science</i> , 2010 , 51, 246-57	1.9	80
260	The potential for the improvement of the nutritive value of soya-bean meal by different proteases in broiler chicks and broiler cockerels. <i>British Poultry Science</i> , 2002 , 43, 70-7	1.9	80
259	Multicarbohydrase Enzymes for Non-ruminants. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014 , 27, 290-301	2.4	77
258	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
257	Phytate and microbial phytase: implications for endogenous nitrogen losses and nutrient availability. <i>Worlds Poultry Science Journal</i> , 2009 , 65, 401-418	3	73
256	Immune responses to dietary beta-glucan in broiler chicks during an Eimeria challenge. <i>Poultry Science</i> , 2010 , 89, 2597-607	3.9	71
255	Diet influences the colonisation of Campylobacter jejuni and distribution of mucin carbohydrates in the chick intestinal tract. <i>Cellular and Molecular Life Sciences</i> , 2000 , 57, 1793-801	10.3	68
254	Extra-phosphoric effects of superdoses of a novel microbial phytase. <i>Poultry Science</i> , 2013 , 92, 719-25	3.9	65
253	Effectiveness of exogenous microbial phytase in improving the bioavailabilities of phosphorus and other nutrients in maize-soya-bean meal diets for broilers. <i>Animal Science</i> , 2001 , 73, 289-297		65
252	Effects of yeast (<i>Saccharomyces cerevisiae</i>) and yeast protein concentrate on production performance of broiler chickens exposed to heat stress and challenged with <i>Salmonella enteritidis</i> . <i>Animal Feed Science and Technology</i> , 2011 , 168, 61-71	3	61
251	Effect of Various Soybean Meal Sources and Avizyme on Chick Growth Performance and Ileal Digestible Energy. <i>Journal of Applied Poultry Research</i> , 2000 , 9, 74-80	2	61
250	What is the real impact of acute kidney injury?. <i>BMC Nephrology</i> , 2014 , 15, 95	2.7	59

249	The Effect of Enzymes on Digestion. <i>Journal of Applied Poultry Research</i> , 1996 , 5, 370-378	2	59
248	Deferasirox (ICL670A) effectively inhibits oesophageal cancer growth in vitro and in vivo. <i>British Journal of Pharmacology</i> , 2013 , 168, 1316-28	8.6	57
247	Performance and immune responses to dietary beta-glucan in broiler chicks. <i>Poultry Science</i> , 2010 , 89, 1924-33	3.9	55
246	The yeast production system in which <i>Escherichia coli</i> phytase is expressed may affect growth performance, bone ash, and nutrient use in broiler chicks. <i>Poultry Science</i> , 2004 , 83, 421-7	3.9	55
245	Exogenous dietary xylanase ameliorates viscosity-induced anti-nutritional effects in wheat-based diets for White Pekin ducks (<i>Anas platyrinchos domesticus</i>). <i>British Journal of Nutrition</i> , 2004 , 92, 87-94	3.6	55
244	Effect of pelleting temperature on the recovery and efficacy of a xylanase enzyme in wheat-based diets. <i>Poultry Science</i> , 1999 , 78, 1184-90	3.9	55
243	The effect of dietary enzyme supplementation of rye- and barley-based diets on digestion and subsequent performance in weanling pigs. <i>Canadian Journal of Animal Science</i> , 1992 , 72, 97-105	0.9	55
242	A genetically engineered <i>Escherichia coli</i> phytase improves nutrient utilization, growth performance, and bone strength of young swine fed diets deficient in available phosphorus. <i>Journal of Animal Science</i> , 2006 , 84, 1147-58	0.7	53
241	Interactions between dietary fat type and xylanase supplementation when rye-based diets are fed to broiler chickens 2. Performance, nutrient digestibility and the fat-soluble vitamin status of livers. <i>British Poultry Science</i> , 1997 , 38, 546-56	1.9	51
240	Evaluation of a highly soluble calcium source and phytase in the diets of broiler chickens. <i>Poultry Science</i> , 2012 , 91, 2255-63	3.9	50
239	Interaction Between Ingested Feed and the Digestive System in Poultry. <i>Journal of Applied Poultry Research</i> , 1996 , 5, 86-95	2	50
238	Supplementation of diets containing pea meal with exogenous enzymes: effects on weight gain, feed conversion, nutrient digestibility and gross morphology of the gastrointestinal tract of growing broiler chicks. <i>British Poultry Science</i> , 2003 , 44, 427-37	1.9	48
237	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
236	Phytase modulates ileal microbiota and enhances growth performance of the broiler chickens. <i>PLoS ONE</i> , 2015 , 10, e0119770	3.7	47
235	Chemical composition and the nutritive quality of different wheat cultivars for broiler chickens. <i>British Poultry Science</i> , 2003 , 44, 464-75	1.9	46
234	Effect of cultivar and environment on the feeding value of Western Canadian wheat and barley samples with and without enzyme supplementation. <i>Canadian Journal of Animal Science</i> , 1998 , 78, 649-658	0.9	46
233	Effects of age and diet on the viscosity of intestinal contents in broiler chicks. <i>British Poultry Science</i> , 1999 , 40, 364-70	1.9	45
232	Influence of the ratio of essential to non essential amino acids on performance and carcass composition of the broiler chick. <i>British Poultry Science</i> , 1985 , 26, 483-91	1.9	45

231	Interactions between dietary fat type and xylanase supplementation when rye-based diets are fed to broiler chickens. 1. Physico-chemical chyme features. <i>British Poultry Science</i> , 1997 , 38, 537-45	1.9	43
230	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
229	Stability of feed enzymes to steam pelleting during feed processing. <i>Animal Feed Science and Technology</i> , 1994 , 46, 179-196	3	40
228	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
227	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
226	Effects of hydrolysed <i>Saccharomyces cerevisiae</i> yeast and yeast cell wall components on live performance, intestinal histo-morphology and humoral immune response of broilers. <i>British Poultry Science</i> , 2011 , 52, 694-703	1.9	38
225	Removal of the alpha-galactosides of sucrose from soybean meal using either ethanol extraction or exogenous alpha-galactosidase and broiler performance. <i>Poultry Science</i> , 1995 , 74, 1484-94	3.9	37
224	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
223	Assessment of yeast cell wall as replacements for antibiotic growth promoters in broiler diets: effects on performance, intestinal histo-morphology and humoral immune responses. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012 , 96, 275-84	2.6	36
222	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
221	Diets containing <i>Escherichia coli</i> -derived phytase on young chickens and turkeys: effects on performance, metabolizable energy, endogenous secretions, and intestinal morphology. <i>Poultry Science</i> , 2007 , 86, 705-13	3.9	36
220	Effects of xylanase supplementation on performance, total volatile fatty acids and selected bacterial population in caeca, metabolic indices and peptide YY concentrations in serum of broiler chickens fed energy restricted maize/soybean based diets. <i>Animal Feed Science and Technology</i> , 2012 , 177, 191-202	3	35
219	Response of growing pigs to <i>Peniophora lycii</i> - and <i>Escherichia coli</i> -derived phytases or varying ratios of calcium to total phosphorus. <i>Animal Science</i> , 2006 , 82, 637-644		34
218	Inositol - An effective growth promotor?. <i>Worlds Poultry Science Journal</i> , 2016 , 72, 743-760	3	34
217	Effects of dietary phytase on performance and nutrient metabolism in chickens. <i>British Poultry Science</i> , 2008 , 49, 144-54	1.9	33
216	Effect of wheat content, fat source and enzyme supplementation on diet metabolisability and broiler performance. <i>British Poultry Science</i> , 2001 , 42, 625-32	1.9	33
215	The effect of phytase enzyme and level on nutrient extraction by broilers. <i>Poultry Science</i> , 2004 , 83, 985-990		32
214	The use of NSP enzymes in poultry nutrition: myths and realities. <i>Worlds Poultry Science Journal</i> , 2018 , 74, 277-286	3	31

213	The effect of reduced calorie diets, with and without fat, and the use of xylanase on performance characteristics of broilers between 0 and 42 days. <i>Poultry Science</i> , 2012 , 91, 1356-60	3.9	31
212	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
211	Effect of high phytase inclusion rates on performance of broilers fed diets not severely limited in available phosphorus. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013 , 26, 227-32	2.4	30
210	The effect of wheat cultivar, growing environment, and enzyme supplementation on digestibility of amino acids by broilers. <i>Canadian Journal of Animal Science</i> , 1998 , 78, 335-342	0.9	30
209	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
208	Separate Feeding of calcium improves performance and ileal nutrient digestibility in broiler chicks. <i>Animal Production Science</i> , 2014 , 54, 172	1.4	29
207	Corn expressing an Escherichia coli-derived phytase gene: a proof-of-concept nutritional study in pigs. <i>Journal of Animal Science</i> , 2007 , 85, 1946-52	0.7	29
206	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
205	Effect of intermittent feeding, structural components and phytase on performance and behaviour of broiler chickens. <i>British Poultry Science</i> , 2013 , 54, 222-30	1.9	28
204	The effect of phytase and glucanase on the ileal digestible energy of corn and soybean meal fed to broilers. <i>Poultry Science</i> , 2007 , 86, 2350-7	3.9	28
203	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
202	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
201	A broiler chick bioassay for measuring the feeding value of wheat and barley in complete diets. <i>Poultry Science</i> , 1998 , 77, 449-55	3.9	27
200	Xylanase in diets for growing pigs and broiler chicks. <i>Canadian Journal of Animal Science</i> , 2007 , 87, 227-235		27
199	Phytase activity along the digestive tract of the broiler chick: A comparative study of an Escherichia coli-derived and Peniophora lycii phytase. <i>Canadian Journal of Animal Science</i> , 2005 , 85, 61-68	0.9	26
198	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
197	The effects of adding xylanase, vitamin C and copper sulphate to wheat-based diets on broiler performance. <i>British Poultry Science</i> , 2001 , 42, 493-500	1.9	25
196	Mode of Action of Feed Enzymes. <i>Journal of Applied Poultry Research</i> , 1993 , 2, 85-92	2	25

195	The effects of supplementary bacterial phytase on dietary energy and total tract amino acid digestibility when fed to young chickens. <i>British Poultry Science</i> , 2011 , 52, 245-54	1.9	24
194	Effects of different dietary phytase activities on the concentration of antioxidants in the liver of growing broilers. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2010 , 94, 519-26	2.6	24
193	Effects of corn source on the relationship between in vitro assays and ileal nutrient digestibility. <i>Poultry Science</i> , 2012 , 91, 1908-14	3.9	24
192	Intestinal digesta viscosity decreases during coccidial infection in broilers. <i>British Poultry Science</i> , 2000 , 41, 459-64	1.9	24
191	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
190	Exploiting calcium-specific appetite in poultry nutrition. <i>Worlds Poultry Science Journal</i> , 2011 , 67, 587-598		22
189	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
188	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
187	Effect of methods of analysis and heat treatment on viscosity of wheat, barley and oats. <i>Animal Feed Science and Technology</i> , 2000 , 88, 1-12	3	21
186	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
185	A simple model for predicting the response of chicks to dietary enzyme supplementation. <i>Journal of Animal Science</i> , 1996 , 74, 394-402	0.7	20
184	Effect of dietary xylanase on energy, amino acid and mineral metabolism, and egg production and quality in laying hens. <i>British Poultry Science</i> , 2010 , 51, 639-47	1.9	19
183	Broiler performance and in vivo viscosity as influenced by a range of xylanases, varying in ability to effect wheat in vitro viscosity. <i>British Poultry Science</i> , 2009 , 50, 716-24	1.9	19
182	Response of broiler chickens fed wheat-based diets to xylanase supplementation. <i>Poultry Science</i> , 2017 , 96, 2776-2785	3.9	18
181	Response of broiler chickens to xylanase and butyrate supplementation. <i>Poultry Science</i> , 2019 , 98, 3914-3925	3.9	18
180	Extra-phosphoric effects of phytase with and without xylanase in corn-soybean meal-based diets fed to broilers. <i>Poultry Science</i> , 2013 , 92, 979-91	3.9	18
179	Interactions between phytase and xylanase enzymes in male broiler chicks fed phosphorus-deficient diets from 1 to 18 days of age. <i>Poultry Science</i> , 2013 , 92, 1818-23	3.9	18
178	Microbial interactions in the response to exogenous enzyme utilization. 2001 , 299-314		18

177	Assessment of potential enhancing effects of a carbohydrase mixture on phytase efficacy in male broiler chicks fed phosphorus-deficient diets from 1 to 18 days of age. <i>Poultry Science</i> , 2013 , 92, 192-8	3.9	17
176	Previous exposure to dietary phytase reduces the endogenous energy losses from precision-fed chickens. <i>British Poultry Science</i> , 2009 , 50, 598-605	1.9	17
175	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
174	Recent findings regarding calcium and phytase in poultry nutrition. <i>Animal Production Science</i> , 2017 , 57, 2311	1.4	16
173	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
172	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
171	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
170	Identifying variation in the nutritional value of corn based on chemical kernel characteristics. <i>World's Poultry Science Journal</i> , 2013 , 69, 299-312	3	16
169	Energy utilisation and growth performance of chicken fed diets containing graded levels of supplementary bacterial phytase. <i>British Journal of Nutrition</i> , 2013 , 109, 248-53	3.6	16
168	Effects of variety, the 1B/1R translocation and xylanase supplementation on nutritive value of wheat for broilers. <i>British Poultry Science</i> , 2001 , 42, 638-42	1.9	16
167	Comparison of sample source (excreta or ileal digesta) and age of broiler chick on measurement of apparent digestible energy of wheat and barley. <i>Poultry Science</i> , 1998 , 77, 456-63	3.9	16
166	Interactions between dietary fat type and exogenous enzyme supplementation of broiler diets based on maize, wheat, triticale or barley. <i>Journal of Animal and Feed Sciences</i> , 1999 , 8, 467-483	1.5	16
165	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
164	Corn expressing an Escherichia coli-derived phytase gene: residual phytase activity and microstructure of digesta in broiler chicks. <i>Poultry Science</i> , 2009 , 88, 1413-20	3.9	15
163	Effect of enzyme supplementation of UK-grown lupinus albus on growth performance in broiler chickens. <i>British Poultry Science</i> , 1998 , 39 Suppl, S36-7	1.9	15
162	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
161	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
160	Arabinoxylan-oligosaccharides kick-start arabinoxylan digestion in the aging broiler. <i>Poultry Science</i> , 2020 , 99, 2555-2565	3.9	14

159	Assessing measurements in feed enzyme research: Phytase evaluations in broilers. <i>Journal of Applied Poultry Research</i> , 2016 , 25, 305-314	2	14
158	Do acute elevations of serum creatinine in primary care engender an increased mortality risk?. <i>BMC Nephrology</i> , 2014 , 15, 206	2.7	14
157	Meta-analysis: explicit value of mono-component proteases in monogastric diets. <i>Poultry Science</i> , 2018 , 97, 2078-2085	3.9	13
156	Influence of diet, phytase, and incubation time on calcium and phosphorus solubility in the gastric and small intestinal phase of an in vitro digestion assay. <i>Journal of Animal Science</i> , 2012 , 90, 3120-5	0.7	13
155	Supplementing corn or corn-barley diets with an E. coli derived phytase decreases total and soluble P output by weanling and growing pigs. <i>Canadian Journal of Animal Science</i> , 2007 , 87, 353-364	0.9	13
154	Effects of dietary fat type, pentosan level and xylanase supplementation on digestibility of nutrients and metabolizability of energy in male broilers. <i>Archiv Fur Tierernahrung</i> , 1999 , 52, 245-61		13
153	The role of carbohydrases in feedstuff digestion. 2002 , 319-336		13
152	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
151	Effect of a novel microbial phytase on production performance and tibia mineral concentration in broiler chickens given low-calcium diets. <i>British Poultry Science</i> , 2013 , 54, 206-15	1.9	12
150	The Influence of Feed Milling, Enzyme Supplementation, and Nutrient Regimen on Broiler Chick Performance. <i>Journal of Applied Poultry Research</i> , 1997 , 6, 391-398	2	12
149	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
148	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
147	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
146	Effect of feeding broilers diets differing in susceptible phytate content. <i>Animal Nutrition</i> , 2016 , 2, 33-39	4.8	11
145	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
144	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
143	In vitro evaluation of limestone, dicalcium phosphate, and phytase on calcium and phosphorus solubility of corn and soybean meal. <i>Poultry Science</i> , 2012 , 91, 674-82	3.9	11
142	Increased dietary sodium chloride concentrations reduce endogenous amino acid flow and influence the physiological response to the ingestion of phytic acid by broiler chickens. <i>British Poultry Science</i> , 2011 , 52, 613-24	1.9	11

141	Using the precision-feeding bioassay to determine the efficacy of exogenous enzymes: A new perspective. <i>Animal Feed Science and Technology</i> , 2006 , 129, 149-158	3	11
140	New enzyme technologies for poultry feeds. <i>British Poultry Science</i> , 2003 , 44, 14-16	1.9	11
139	The Foundation of Conducting Feed Enzyme Research and the Challenge of Explaining the Results. <i>Journal of Applied Poultry Research</i> , 2002 , 11, 464-470	2	11
138	Influence of dietary non-phytate phosphorous levels and phytase supplementation on the performance and bone characteristics of broilers. <i>Brazilian Journal of Poultry Science</i> , 2011 , 13, 43-51	1.3	11
137	THE USE OF ENZYMES TO IMPROVE THE NUTRITIVE VALUE OF POULTRY FEEDS 1991 , 95-116		11
136	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> , 2012 , 92, 2211-2214	4.3	11
135	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
134	The effect on performance, energy metabolism and hepatic carotenoid content when phytase supplemented diets were fed to broiler chickens. <i>Research in Veterinary Science</i> , 2010 , 89, 203-5	2.5	10
133	Effect of cultivar and enzyme supplementation on nutrient availability and performance of broilers fed Maritime Canadian wheat. <i>Canadian Journal of Animal Science</i> , 2005 , 85, 493-499	0.9	10
132	Prediction of the performance of broiler chicks from apparent metabolizable energy and protein digestibility values obtained using a broiler chick bioassay. <i>Canadian Journal of Animal Science</i> , 1999 , 79, 59-64	0.9	10
131	Influence of Dietary Protein and Energy on Performance and Carcass Composition of Heavy Turkeys. <i>Poultry Science</i> , 1985 , 64, 1921-1933	3.9	10
130	Phytate and phytase. 2010 , 160-205		10
129	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
128	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
127	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
126	The effects of supplementary bacterial phytase on dietary true metabolisable energy, nutrient digestibility and endogenous losses in precision fed turkeys. <i>British Poultry Science</i> , 2011 , 52, 214-20	1.9	9
125	Effect of dietary lysine on polyamine synthesis in the chick. <i>Journal of Nutrition</i> , 1987 , 117, 1852-8	4.1	9
124	Effect of dietary ornithine on renal and hepatic polyamine synthesis. <i>Annals of Nutrition and Metabolism</i> , 1988 , 32, 265-70	4.5	9

123	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
122	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
121	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
120	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
119	Superdosing phytase reduces real-time gastric pH in broilers and weaned piglets. <i>British Poultry Science</i> , 2018 , 59, 330-339	1.9	8
118	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
117	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
116	The effect of supplementary bacterial phytase on dietary metabolisable energy, nutrient retention and endogenous losses in precision fed broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012 , 96, 52-7	2.6	8
115	Influence of conditioning temperature on the postpellet recovery and efficacy of 2 microbial phytases for broiler chicks. <i>Journal of Applied Poultry Research</i> , 2013 , 22, 308-313	2	8
114	The effect of phytase and phytic acid on endogenous losses from broiler chickens. <i>British Poultry Science</i> , 2003 , 44, 23-24	1.9	8
113	Sulphur and calcium supplementation of soybean and canola meal diets. <i>Canadian Journal of Animal Science</i> , 1992 , 72, 127-133	0.9	8
112	Effect of non-starch polysaccharidases on avian gastrointestinal function. 2006 , 159-170		8
111	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
110	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
109	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
108	Interactive effects of phytase and xylanase supplementation with extractable salt-soluble protein content of corn in diets with adequate calcium and nonphytate phosphorus fed to broilers. <i>Poultry Science</i> , 2013 , 92, 1858-69	3.9	7
107	Effect of exogenous enzymes fed with a wheat or wheat rye-based diet on the performance of female broiler breeders. <i>British Poultry Science</i> , 1999 , 40 Suppl, S30-1	1.9	7
106	Chapter 3 Reduction of phytate to tetrakisphosphate (IP4) to trisphosphate (IP3), or perhaps even lower, does not remove its antinutritive properties 2016 , 45-52		7

105	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
104	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
103	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
102	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
101	An advanced Escherichia coli 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
100	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
99	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
98	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
97	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
96	The effects of dietary phytase activity on the concentration of Coenzyme Q10 in the liver of young turkeys and broilers 2005 , 1, 1-74		6
95	Efficiency of utilization of metabolizable energy for carcass energy retention in broiler chickens fed different wheat cultivars. <i>Canadian Journal of Animal Science</i> , 2001 , 81, 99-106	0.9	6
94	Effects of diet formulation and enzyme inclusion on apparent metabolisable energy (AME) concentration in wheat-based diets and on broiler performance. <i>British Poultry Science</i> , 1999 , 40 Suppl, S37-8	1.9	6
93	INTERACTION OF CALCIUM AND SULPHUR IN CANOLA AND SOYBEAN MEAL DIETS FED TO BROILER CHICKS. <i>Canadian Journal of Animal Science</i> , 1990 , 70, 685-694	0.9	6
92	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
91	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
90	AMINO ACID SUPPLEMENTATION OF CANOLA MEAL. <i>Canadian Journal of Animal Science</i> , 1989 , 69, 469-475		5
89	Factors influencing the response of broiler chickens to calcium supplementation of canola meal. <i>Poultry Science</i> , 1990 , 69, 615-22	3.9	5
88	Regulation of polyamine synthesis by dietary alpha-aminoisobutyric acid and ornithine. <i>Experimental Biology and Medicine</i> , 1988 , 188, 509-14	3.7	5

87	Influence of water extract viscosity and exogenous enzymes on nutritive value of rye hybrids in broiler diets. <i>Journal of Animal and Feed Sciences</i> , 1999 , 8, 579-588	1.5	5
86	Process stability and methods of detection of feed enzymes in complete diets. 2001 , 377-387		5
85	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
84	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
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82	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
81	Effects of age and supplemental xylanase in corn- and wheat-based diets on cecal volatile fatty acid concentrations of broilers ¹ . <i>Poultry Science</i> , 2019 , 98, 4787-4800	3.9	4
80	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 age ² . <i>Poultry Science</i> , 2019 , 98, 2866-2879	3.9	4
79	Draft Genome Sequences of Six Novel Bacterial Isolates from Chicken Ceca. <i>Genome Announcements</i> , 2016 , 4,		4
78	Prospects of improving efficiency of feed utilisation in broiler. <i>Worlds Poultry Science Journal</i> , 2018 , 74, 427-442	3	4
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71	Chapter 14 New strategies influencing gut functionality and animal performance 2019 , 233-254		4
70	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

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67	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
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60	Application of exogenous enzymes: is digestibility an appropriate response variable?. <i>Animal Production Science</i> , 2020 , 60, 993	1.4	3
59	Feed enzymes, the future: bright hope or regulatory minefield? 2010 , 304-311		3
58	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
57	Chapter 21 Future prospects for non-starch polysaccharide degrading enzymes development in monogastric nutrition 2019 , 373-383		3
56	Dietary Inositol Reduces Fearfulness and Avoidance in Laying Hens. <i>Animals</i> , 2019 , 9,	3.1	3
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53	Feed endoxylanase type and dose affect arabinoxylan hydrolysis and fermentation in ageing broilers. <i>Animal Nutrition</i> , 2021 , 7, 787-800	4.8	3
52	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

51	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
50	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
49	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
48	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
47	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
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44	Effect of enzyme supplementation on intestinal parameters in the pig. <i>Proceedings of the British Society of Animal Production (1972)</i> , 1994 , 1994, 33-33		2
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41	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
40	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
39	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
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37	Chapter 12 Adaptation of the microbiome towards fibre digestion: effects of age and dietary ingredients 2019 , 199-216		2
36	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
35	Maize nutrient composition and the influence of xylanase addition. <i>Journal of Cereal Science</i> , 2021 , 97, 103155	3.8	2
34	Phytic acid and the implications for protein utilisation by poultry. <i>British Poultry Science</i> , 2003 , 44, 36-37	1.9	1

33	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
32	Comparative Effects of Xylanase Supplementation on Broiler, Broiler Breeder and Layer Chick Performance and Feed Utilization on Wheat Based Diet. <i>Journal of Poultry Science</i> , 2007 , 44, 322-329	1.6	1
31	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
30	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
29	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
28	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
27	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
26	Dietary calcium and meat and bone meal as potential precursors for the onset of necrotic enteritis. <i>World's Poultry Science Journal</i> , 2020 , 76, 743-756	3	1
25	Comparison of the apparent ileal calcium digestibility of limestone in broilers and layers. <i>British Poultry Science</i> , 2021 , 1-6	1.9	1
24	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
23	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
22	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
21	Hullless 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
20	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
19	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
18	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
17	Hullless 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
16	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

15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
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5	EFFECT OF ALTERING THE SOURCE OF NONESSENTIAL NITROGEN ON PERFORMANCE AND CARCASS COMPOSITION OF THE BROILER CHICK. <i>Canadian Journal of Animal Science</i> , 1986 , 66, 1097-1105	1.89	
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3	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	
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1	Effect of phytase supplementation on plasma and organ myo-inositol content and erythrocyte inositol phosphates as pertaining to breast meat quality issues in chickens. <i>Journal of Applied Animal Nutrition</i> , 1-14	0.7	