Theo A Niewold

List of Publications by Year
in descending order

65 papers	2,172 citations	236612 25 h-index	243296 44 g-index
70 all docs	70 docs citations	70 times ranked	2474 citing authors

#	Article	IF	Citations
1	Effects of plant-derived isoquinoline alkaloids on growth performance and intestinal function of broiler chickens under heat stress. Poultry Science, 2021, 100, 957-963.	1.5	30
2	Synergistic toxicity of dietary aflatoxin B1 (AFB1) and zearalenone (ZEN) in rainbow trout (Oncorhynchus mykiss) is attenuated by anabolic effects. Aquaculture, 2021, 541, 736793.	1.7	19
3	A protocol for sustained reduction of Total Parenteral Nutrition and cost savings by improvement of nutritional care in hospitals. Clinical Nutrition ESPEN, 2016, 15, 114-121.	0.5	4
4	Growth promotion in pigs by oxytetracycline coincides with down regulation of serum inflammatory parameters and of hibernationâ€associated protein HPâ€27. Electrophoresis, 2016, 37, 1277-1286.	1.3	25
5	Insight into the chemical composition of wheat used in European broiler diets. Animal Feed Science and Technology, 2016, 216, 176-184.	1.1	3
6	Oral administration of Lactobacillus plantarum 299v modulates gene expression in the ileum of pigs: prediction of crosstalk between intestinal immune cells and sub-mucosal adipocytes. Genes and Nutrition, 2015, 10, 10.	1.2	8
7	Identification of the major regenerative III protein (RegIII) in the porcine intestinal mucosa as RegIIIÎ³, not RegIIIÎ±. Veterinary Immunology and Immunopathology, 2015, 167, 51-56.	0.5	10
8	Discerning Pig Screams in Production Environments. PLoS ONE, 2015, 10, e0123111.	1.1	45
9	Temperature Resistance of Xylanase Inhibitors and the Presence of Grainâ€Associated Xylanases Affect the Activity of Exogenous Xylanases Added to Pelleted Wheatâ€Based Feeds. Cereal Chemistry, 2014, 91, 572-577.	1.1	8
10	Growth promotion in broilers by both oxytetracycline andMacleaya cordataextract is based on their anti-inflammatory properties. British Journal of Nutrition, 2014, 112, 1110-1118.	1.2	84
11	Quality improvement and cost savings by dietitians through follow-up of patients with total parenteral nutrition during hospital admission. E-SPEN Journal, 2014, 9, e59-e62.	0.5	3
12	Automatic weight estimation of individual pigs using image analysis. Computers and Electronics in Agriculture, 2014, 107, 38-44.	3.7	111
13	Different stressors elicit different responses in the salivary biomarkers cortisol, haptoglobin, and chromogranin A in pigs. Research in Veterinary Science, 2014, 97, 124-128.	0.9	48
14	Automatic monitoring of pig locomotion using image analysis. Livestock Science, 2014, 159, 141-148.	0.6	113
15	Variability in the in vitro degradation of non-starch polysaccharides from wheat by feed enzymes. Animal Feed Science and Technology, 2014, 187, 110-114.	1.1	15
16	Proteomic Approaches to Study the Pig Intestinal System. Current Protein and Peptide Science, 2014, 15, 89-99.	0.7	6
17	Why anti-inflammatory compounds are the solution for the problem with in feed antibiotics. Quality Assurance and Safety of Crops and Foods, 2014, 6, 119-122.	1.8	8
18	Transcription networks responsible for early regulation of Salmonella-induced inflammation in the jejunum of pigs. Journal of Inflammation, 2013, 10, 18.	1.5	15

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19	Automatic identification of marked pigs in a pen using image pattern recognition. Computers and Electronics in Agriculture, 2013, 93, 111-120.	3.7	97
20	The effect of enterotoxigenic Escherichia coli F4ab,ac on early-weaned piglets: A gene expression study. Veterinary Immunology and Immunopathology, 2013, 152, 87-92.	0.5	5
21	Why working with porcine circulating serum amyloid A is a pig of a job. Journal of Theoretical Biology, 2013, 317, 119-125.	0.8	13
22	E. coli heat labile toxin (LT) inactivation by specific polyphenols is aggregation dependent. Veterinary Microbiology, 2013, 163, 319-324.	0.8	21
23	About hot chicks, a new acute mortality syndrome most likely caused by fatal hyperthermia as a consequence of mitochondrial uncoupling. Poultry Science, 2013, 92, 847-848.	1.5	0
24	The automatic monitoring of pigs water use by cameras. Computers and Electronics in Agriculture, 2013, 90, 164-169.	3.7	93
25	Selection ofEscherichia coliHeat-Labile Toxin (LT) Inhibitors Using Both the GM1-ELISA and the cAMP Vero Cell Assay. Foodborne Pathogens and Disease, 2013, 10, 603-607.	0.8	4
26	Automatic Monitoring of Pig Activity Using Image Analysis. Lecture Notes in Computer Science, 2013, , 555-563.	1.0	4
27	Automatic Identification of Marked Pigs in a Pen Using Image Pattern Recognition. Lecture Notes in Computer Science, 2013, , 205-212.	1.0	4
28	Role of Heat-Stable Enterotoxins in the Induction of Early Immune Responses in Piglets after Infection with Enterotoxigenic Escherichia coli. PLoS ONE, 2012, 7, e41041.	1.1	60
29	The search for the gene mutations underlying enterotoxigenic Escherichia coli F4ab/ac susceptibility in pigs: a review. Veterinary Research, 2012, 43, 70.	1.1	26
30	Dietary inclusion of arabinoxylan oligosaccharides (AXOS) down regulates mucosal responses to a bacterial challenge in a piglet model. Journal of Functional Foods, 2012, 4, 626-635.	1.6	30
31	Labile complexes facilitate cadmium uptake by Caco-2 cells. Science of the Total Environment, 2012, 426, 90-99.	3.9	12
32	Susceptibility of piglets to enterotoxigenic Escherichia coli is not related to the expression of MUC13 and MUC20. Animal Genetics, 2012, 43, 324-327.	0.6	24
33	Serum amyloid A3 (SAA3), not SAA1 appears to be the major acute phase SAA isoform in the pig. Veterinary Immunology and Immunopathology, 2011, 141, 109-115.	0.5	25
34	Optimizing culture conditions of a porcine epithelial cell line IPEC-J2 through a histological and physiological characterization. Cytotechnology, 2011, 63, 415-423.	0.7	92
35	Organic more healthy? Green shoots in a scientific semi-desert. British Journal of Nutrition, 2010, 103, 627-628.	1.2	6
36	Transcriptomics of enterotoxigenic Escherichia coli infection. Individual variation in intestinal gene expression correlates with intestinal function. Veterinary Microbiology, 2010, 141, 110-114.	0.8	20

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37	Preliminary Characterization of the Transcriptional Response of the Porcine Intestinal Cell Line IPEC-J2 to EnterotoxigenicEscherichia coli,Escherichia coli, andE. coliLipopolysaccharide. Comparative and Functional Genomics, 2010, 2010, 1-11.	2.0	42
38	Dietary Î²â€hydroxyâ€Î²â€methylbutyrate supplementation influences performance differently after immunization in broiler chickens. Journal of Animal Physiology and Animal Nutrition, 2009, 93, 512-519.	1.0	16
39	Early transcriptional response in the jejunum of germ-free piglets after oral infection with virulent rotavirus. Archives of Virology, 2008, 153, 1311-1322.	0.9	9
40	Mannose-specific interaction ofLactobacillus plantarumwith porcine jejunal epithelium. FEMS Immunology and Medical Microbiology, 2008, 54, 215-223.	2.7	40
41	Temporal changes in serum concentrations of acute phase proteins in newborn dairy calves. Veterinary Journal, 2008, 176, 182-187.	0.6	83
42	Dietary l-carnitine supplementation enhances the lipopolysaccharide-induced acute phase protein response in broiler chickens. Veterinary Immunology and Immunopathology, 2007, 118, 154-159.	0.5	48
43	Expression of Î²-defensins pBD-1 and pBD-2 along the small intestinal tract of the pig: Lack of upregulation in vivo upon Salmonella typhimurium infection. Molecular Immunology, 2007, 44, 276-283.	1.0	57
44	The early transcriptional response of pig small intestinal mucosa to invasion by Salmonella enterica serovar typhimurium DT104. Molecular Immunology, 2007, 44, 1316-1322.	1.0	38
45	Dietary specific antibodies in spray-dried immune plasma prevent enterotoxigenic Escherichia coli F4 (ETEC) post weaning diarrhoea in piglets. Veterinary Microbiology, 2007, 124, 362-369.	0.8	44
46	Serum amyloid A isoforms in serum and synovial fluid in horses with lipopolysaccharide-induced arthritis. Veterinary Immunology and Immunopathology, 2006, 110, 325-330.	0.5	94
47	Chemical typing of porcine systemic amyloid as AA-amyloid. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2005, 12, 164-166.	1.4	9
48	Development of a porcine small intestinal cDNA micro-array: characterization and functional analysis of the response to enterotoxigenic E. coli. Veterinary Immunology and Immunopathology, 2005, 105, 317-329.	0.5	52
49	Bacterial growth during the early phase of infection determines the severity of experimental Escherichia coli mastitis in dairy cows. Veterinary Microbiology, 2004, 101, 177-186.	0.8	24
50	Intestinal translocation of Streptococcus suis type 2 EF+ in pigs. Veterinary Microbiology, 2004, 103, 29-33.	0.8	21
51	Plasma intestinal fatty acid binding protein (I-FABP) concentrations increase following intestinal ischemia in pigs. Research in Veterinary Science, 2004, 77, 89-91.	0.9	61
52	In vitro growth of mastitis-inducing Escherichia coli in milk and milk fractions of dairy cows. Veterinary Microbiology, 2003, 91, 125-134.	0.8	11
53	Î±4-Integrin (CD49d) expression on bovine peripheral blood neutrophils is related to inflammation of the respiratory system. Veterinary Immunology and Immunopathology, 2003, 93, 21-29.	0.5	8
54	The effect of milk production level on host resistance of dairy cows, as assessed by the severity of experimental Escherichia coli mastitis. Veterinary Research, 2003, 34, 721-736.	1.1	16

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55	Disease incidence and immunological traits for the selection of healthy pigs A review. Veterinary Quarterly, 2002, 24, 29-34.	3.0	16
56	The effect of dietary spray-dried porcine plasma on clinical response in weaned piglets challenged with a pathogenic Escherichia coli. Veterinary Microbiology, 2002, 84, 207-218.	0.8	50
57	Peritoneal, systemic, and distant organ inflammatory responses are reduced by a laparoscopic approach and carbon dioxide vs air. Surgical Endoscopy and Other Interventional Techniques, 2002, 16, 836-842.	1.3	101
58	Assessment of Respiratory Herd Health in Weaner Pigs by Measuring Cellular Composition of Bronchoalveolar Lavage Fluid. Zoonoses and Public Health, 2002, 49, 424-428.	1.4	8
59	Thirty minutes transport causes small intestinal acidosis in pigs. Research in Veterinary Science, 2001, 70, 123-127.	0.9	15
60	Oedema disease is associated with metabolic acidosis and small intestinal acidosis. Research in Veterinary Science, 2001, 70, 247-253.	0.9	15
61	Small intestinal morphology in weaned piglets fed a diet containing spray-dried porcine plasma. Research in Veterinary Science, 2001, 71, 17-22.	0.9	22
62	A review of porcine pathophysiology: A different approach to disease. Veterinary Quarterly, 2000, 22, 209-212.	3.0	20
63	Generalized AA-amyloidosis in Siamese and Oriental cats. Veterinary Immunology and Immunopathology, 1997, 56, 1-10.	0.5	52
64	Gastrointestinal AAPOAII and systemic AA-amyloidosis in aged C57BL/Ka mice. Vigiliae Christianae, 1993, 64, 37-43.	0.1	13
65	Purification and Characterization of Hamster Serum Amyloid A Protein (SAA) by Cholesteryl Hemisuccinate Affinity Chromatography. Scandinavian Journal of Immunology, 1990, 31, 389-396.	1.3	18