

Theo A Niewold

List of Publications by Year in descending order

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Version: 2024-02-01

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	Automatic monitoring of pig locomotion using image analysis. <i>Livestock Science</i> , 2014, 159, 141-148.	0.6	113
2	Automatic weight estimation of individual pigs using image analysis. <i>Computers and Electronics in Agriculture</i> , 2014, 107, 38-44.	3.7	111
3	Peritoneal, systemic, and distant organ inflammatory responses are reduced by a laparoscopic approach and carbon dioxide vs air. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2002, 16, 836-842.	1.3	101
4	Automatic identification of marked pigs in a pen using image pattern recognition. <i>Computers and Electronics in Agriculture</i> , 2013, 93, 111-120.	3.7	97
5	Serum amyloid A isoforms in serum and synovial fluid in horses with lipopolysaccharide-induced arthritis. <i>Veterinary Immunology and Immunopathology</i> , 2006, 110, 325-330.	0.5	94
6	The automatic monitoring of pigs water use by cameras. <i>Computers and Electronics in Agriculture</i> , 2013, 90, 164-169.	3.7	93
7	Optimizing culture conditions of a porcine epithelial cell line IPEC-J2 through a histological and physiological characterization. <i>Cytotechnology</i> , 2011, 63, 415-423.	0.7	92
8	Growth promotion in broilers by both oxytetracycline and <i>Macleaya cordata</i> extract is based on their anti-inflammatory properties. <i>British Journal of Nutrition</i> , 2014, 112, 1110-1118.	1.2	84
9	Temporal changes in serum concentrations of acute phase proteins in newborn dairy calves. <i>Veterinary Journal</i> , 2008, 176, 182-187.	0.6	83
10	Plasma intestinal fatty acid binding protein (I-FABP) concentrations increase following intestinal ischemia in pigs. <i>Research in Veterinary Science</i> , 2004, 77, 89-91.	0.9	61
11	Role of Heat-Stable Enterotoxins in the Induction of Early Immune Responses in Piglets after Infection with Enterotoxigenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2012, 7, e41041.	1.1	60
12	Expression of β -defensins pBD-1 and pBD-2 along the small intestinal tract of the pig: Lack of upregulation in vivo upon <i>Salmonella typhimurium</i> infection. <i>Molecular Immunology</i> , 2007, 44, 276-283.	1.0	57
13	Generalized AA-amyloidosis in Siamese and Oriental cats. <i>Veterinary Immunology and Immunopathology</i> , 1997, 56, 1-10.	0.5	52
14	Development of a porcine small intestinal cDNA micro-array: characterization and functional analysis of the response to enterotoxigenic <i>E. coli</i> . <i>Veterinary Immunology and Immunopathology</i> , 2005, 105, 317-329.	0.5	52
15	The effect of dietary spray-dried porcine plasma on clinical response in weaned piglets challenged with a pathogenic <i>Escherichia coli</i> . <i>Veterinary Microbiology</i> , 2002, 84, 207-218.	0.8	50
16	Dietary l-carnitine supplementation enhances the lipopolysaccharide-induced acute phase protein response in broiler chickens. <i>Veterinary Immunology and Immunopathology</i> , 2007, 118, 154-159.	0.5	48
17	Different stressors elicit different responses in the salivary biomarkers cortisol, haptoglobin, and chromogranin A in pigs. <i>Research in Veterinary Science</i> , 2014, 97, 124-128.	0.9	48
18	Discerning Pig Screams in Production Environments. <i>PLoS ONE</i> , 2015, 10, e0123111.	1.1	45

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19	Dietary specific antibodies in spray-dried immune plasma prevent enterotoxigenic <i>Escherichia coli</i> F4 (ETEC) post weaning diarrhoea in piglets. <i>Veterinary Microbiology</i> , 2007, 124, 362-369.	0.8	44
20	Preliminary Characterization of the Transcriptional Response of the Porcine Intestinal Cell Line IPEC-J2 to Enterotoxigenic <i>Escherichia coli</i> , <i>Escherichia coli</i> , and <i>E. coli</i> Lipopolysaccharide. <i>Comparative and Functional Genomics</i> , 2010, 2010, 1-11.	2.0	42
21	Mannose-specific interaction of <i>Lactobacillus plantarum</i> with porcine jejunal epithelium. <i>FEMS Immunology and Medical Microbiology</i> , 2008, 54, 215-223.	2.7	40
22	The early transcriptional response of pig small intestinal mucosa to invasion by <i>Salmonella enterica</i> serovar typhimurium DT104. <i>Molecular Immunology</i> , 2007, 44, 1316-1322.	1.0	38
23	Dietary inclusion of arabinoxylan oligosaccharides (AXOS) down regulates mucosal responses to a bacterial challenge in a piglet model. <i>Journal of Functional Foods</i> , 2012, 4, 626-635.	1.6	30
24	Effects of plant-derived isoquinoline alkaloids on growth performance and intestinal function of broiler chickens under heat stress. <i>Poultry Science</i> , 2021, 100, 957-963.	1.5	30
25	The search for the gene mutations underlying enterotoxigenic <i>Escherichia coli</i> F4ab/ac susceptibility in pigs: a review. <i>Veterinary Research</i> , 2012, 43, 70.	1.1	26
26	Serum amyloid A3 (SAA3), not SAA1 appears to be the major acute phase SAA isoform in the pig. <i>Veterinary Immunology and Immunopathology</i> , 2011, 141, 109-115.	0.5	25
27	Growth promotion in pigs by oxytetracycline coincides with down regulation of serum inflammatory parameters and of hibernation-associated protein HP27. <i>Electrophoresis</i> , 2016, 37, 1277-1286.	1.3	25
28	Bacterial growth during the early phase of infection determines the severity of experimental <i>Escherichia coli</i> mastitis in dairy cows. <i>Veterinary Microbiology</i> , 2004, 101, 177-186.	0.8	24
29	Susceptibility of piglets to enterotoxigenic <i>Escherichia coli</i> is not related to the expression of <i>MUC13</i> and <i>MUC20</i> . <i>Animal Genetics</i> , 2012, 43, 324-327.	0.6	24
30	Small intestinal morphology in weaned piglets fed a diet containing spray-dried porcine plasma. <i>Research in Veterinary Science</i> , 2001, 71, 17-22.	0.9	22
31	Intestinal translocation of <i>Streptococcus suis</i> type 2 EF+ in pigs. <i>Veterinary Microbiology</i> , 2004, 103, 29-33.	0.8	21
32	<i>E. coli</i> heat labile toxin (LT) inactivation by specific polyphenols is aggregation dependent. <i>Veterinary Microbiology</i> , 2013, 163, 319-324.	0.8	21
33	A review of porcine pathophysiology: A different approach to disease. <i>Veterinary Quarterly</i> , 2000, 22, 209-212.	3.0	20
34	Transcriptomics of enterotoxigenic <i>Escherichia coli</i> infection. Individual variation in intestinal gene expression correlates with intestinal function. <i>Veterinary Microbiology</i> , 2010, 141, 110-114.	0.8	20
35	Synergistic toxicity of dietary aflatoxin B1 (AFB1) and zearalenone (ZEN) in rainbow trout (<i>Oncorhynchus mykiss</i>) is attenuated by anabolic effects. <i>Aquaculture</i> , 2021, 541, 736793.	1.7	19
36	Purification and Characterization of Hamster Serum Amyloid A Protein (SAA) by Cholesteryl Hemisuccinate Affinity Chromatography. <i>Scandinavian Journal of Immunology</i> , 1990, 31, 389-396.	1.3	18

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37	Disease incidence and immunological traits for the selection of healthy pigs A review. <i>Veterinary Quarterly</i> , 2002, 24, 29-34.	3.0	16
38	Dietary 2-acetyl-1-methylbutyrate supplementation influences performance differently after immunization in broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2009, 93, 512-519.	1.0	16
39	The effect of milk production level on host resistance of dairy cows, as assessed by the severity of experimental <i>Escherichia coli</i> mastitis. <i>Veterinary Research</i> , 2003, 34, 721-736.	1.1	16
40	Thirty minutes transport causes small intestinal acidosis in pigs. <i>Research in Veterinary Science</i> , 2001, 70, 123-127.	0.9	15
41	Oedema disease is associated with metabolic acidosis and small intestinal acidosis. <i>Research in Veterinary Science</i> , 2001, 70, 247-253.	0.9	15
42	Transcription networks responsible for early regulation of <i>Salmonella</i> -induced inflammation in the jejunum of pigs. <i>Journal of Inflammation</i> , 2013, 10, 18.	1.5	15
43	Variability in the in vitro degradation of non-starch polysaccharides from wheat by feed enzymes. <i>Animal Feed Science and Technology</i> , 2014, 187, 110-114.	1.1	15
44	Gastrointestinal AAPOAI and systemic AA-amyloidosis in aged C57BL/Ka mice. <i>Vigiliae Christianae</i> , 1993, 64, 37-43.	0.1	13
45	Why working with porcine circulating serum amyloid A is a pig of a job. <i>Journal of Theoretical Biology</i> , 2013, 317, 119-125.	0.8	13
46	Labile complexes facilitate cadmium uptake by Caco-2 cells. <i>Science of the Total Environment</i> , 2012, 426, 90-99.	3.9	12
47	In vitro growth of mastitis-inducing <i>Escherichia coli</i> in milk and milk fractions of dairy cows. <i>Veterinary Microbiology</i> , 2003, 91, 125-134.	0.8	11
48	Identification of the major regenerative III protein (RegIII) in the porcine intestinal mucosa as RegIII ^β , not RegIII [±] . <i>Veterinary Immunology and Immunopathology</i> , 2015, 167, 51-56.	0.5	10
49	Chemical typing of porcine systemic amyloid as AA-amyloid. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2005, 12, 164-166.	1.4	9
50	Early transcriptional response in the jejunum of germ-free piglets after oral infection with virulent rotavirus. <i>Archives of Virology</i> , 2008, 153, 1311-1322.	0.9	9
51	Assessment of Respiratory Herd Health in Weaner Pigs by Measuring Cellular Composition of Bronchoalveolar Lavage Fluid. <i>Zoonoses and Public Health</i> , 2002, 49, 424-428.	1.4	8
52	4-Integrin (CD49d) expression on bovine peripheral blood neutrophils is related to inflammation of the respiratory system. <i>Veterinary Immunology and Immunopathology</i> , 2003, 93, 21-29.	0.5	8
53	Temperature Resistance of Xylanase Inhibitors and the Presence of Grain-Associated Xylanases Affect the Activity of Exogenous Xylanases Added to Pelleted Wheat-Based Feeds. <i>Cereal Chemistry</i> , 2014, 91, 572-577.	1.1	8
54	Oral administration of <i>Lactobacillus plantarum</i> 299v modulates gene expression in the ileum of pigs: prediction of crosstalk between intestinal immune cells and sub-mucosal adipocytes. <i>Genes and Nutrition</i> , 2015, 10, 10.	1.2	8

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55	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
56	Organic more healthy? Green shoots in a scientific semi-desert. British Journal of Nutrition, 2010, 103, 627-628.	1.2	6
57	Proteomic Approaches to Study the Pig Intestinal System. Current Protein and Peptide Science, 2014, 15, 89-99.	0.7	6
58	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
59	Selection of Escherichia coli Heat-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
60	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
61	Automatic Monitoring of Pig Activity Using Image Analysis. Lecture Notes in Computer Science, 2013, , 555-563.	1.0	4
62	Automatic Identification of Marked Pigs in a Pen Using Image Pattern Recognition. Lecture Notes in Computer Science, 2013, , 205-212.	1.0	4
63	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
64	Insight into the chemical composition of wheat used in European broiler diets. Animal Feed Science and Technology, 2016, 216, 176-184.	1.1	3
65	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