

Eric R Burrough

List of Publications by Year in descending order

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75
papers

1,834
citations

394390

19
h-index

289230

40
g-index

105
all docs

105
docs citations

105
times ranked

1745
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence of <i>Porcine epidemic diarrhea virus</i> in the United States: clinical signs, lesions, and viral genomic sequences. <i>Journal of Veterinary Diagnostic Investigation</i> , 2013, 25, 649-654.	1.1	574
2	Pathogenicity and pathogenesis of a United States porcine deltacoronavirus cell culture isolate in 5-day-old neonatal piglets. <i>Virology</i> , 2015, 482, 51-59.	2.4	141
3	Effect of Porcine Epidemic Diarrhea Virus Infectious Doses on Infection Outcomes in Naïve Conventional Neonatal and Weaned Pigs. <i>PLoS ONE</i> , 2015, 10, e0139266.	2.5	96
4	Swine Dysentery. <i>Veterinary Pathology</i> , 2017, 54, 22-31.	1.7	62
5	Comparison of the Luminal and Mucosa-Associated Microbiota in the Colon of Pigs with and without Swine Dysentery. <i>Frontiers in Veterinary Science</i> , 2017, 4, 139.	2.2	62
6	Comparative virulence of clinical <i>Brachyspira</i> spp. isolates in inoculated pigs. <i>Journal of Veterinary Diagnostic Investigation</i> , 2012, 24, 1025-1034.	1.1	47
7	Effects of porcine epidemic diarrhea virus infection on nursery pig intestinal function and barrier integrity. <i>Veterinary Microbiology</i> , 2017, 211, 58-66.	1.9	44
8	Pathogenicity of an emergent, ovine abortifacient <i>Campylobacter jejuni</i> clone orally inoculated into pregnant guinea pigs. <i>American Journal of Veterinary Research</i> , 2009, 70, 1269-1276.	0.6	42
9	Critical Role of LuxS in the Virulence of <i>Campylobacter jejuni</i> in a Guinea Pig Model of Abortion. <i>Infection and Immunity</i> , 2012, 80, 585-593.	2.2	38
10	Macroepidemiological aspects of porcine reproductive and respiratory syndrome virus detection by major United States veterinary diagnostic laboratories over time, age group, and specimen. <i>PLoS ONE</i> , 2019, 14, e0223544.	2.5	38
11	A soluble and highly fermentable dietary fiber with carbohydrases improved gut barrier integrity markers and growth performance in F18 ETEC challenged pigs ¹ . <i>Journal of Animal Science</i> , 2019, 97, 2139-2153.	0.5	36
12	Dietary Soluble and Insoluble Fiber With or Without Enzymes Altered the Intestinal Microbiota in Weaned Pigs Challenged With Enterotoxigenic <i>E. coli</i> F18. <i>Frontiers in Microbiology</i> , 2020, 11, 1110.	3.5	31
13	Investigation of the Impact of Increased Dietary Insoluble Fiber through the Feeding of Distillers Dried Grains with Solubles (DDGS) on the Incidence and Severity of <i>Brachyspira</i> -Associated Colitis in Pigs. <i>PLoS ONE</i> , 2014, 9, e114741.	2.5	29
14	Effects of an F18 enterotoxigenic <i>Escherichia coli</i> challenge on growth performance, immunological status, and gastrointestinal structure of weaned pigs and the potential protective effect of direct-fed microbial blends. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	29
15	Genetic characterization of <i>Streptococcus equi</i> subspecies <i>zooepidemicus</i> associated with high swine mortality in the United States. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 2797-2808.	3.0	28
16	Polioencephalomyelitis in Domestic Swine Associated With Porcine Astrovirus Type 3. <i>Veterinary Pathology</i> , 2020, 57, 82-89.	1.7	25
17	Zinc overload in weaned pigs: tissue accumulation, pathology, and growth impacts. <i>Journal of Veterinary Diagnostic Investigation</i> , 2019, 31, 537-545.	1.1	24
18	Disseminated aspergillosis in a dog due to <i>Aspergillus alabamensis</i> . <i>Medical Mycology Case Reports</i> , 2012, 1, 1-4.	1.3	22

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19	Prevalence of <i>Campylobacter</i> spp. relative to other enteric pathogens in grow-finish pigs with diarrhea. <i>Anaerobe</i> , 2013, 22, 111-114.	2.1	22
20	Alterations in the Colonic Microbiota of Pigs Associated with Feeding Distillers Dried Grains with Solubles. <i>PLoS ONE</i> , 2015, 10, e0141337.	2.5	21
21	Key Role of Capsular Polysaccharide in the Induction of Systemic Infection and Abortion by Hypervirulent <i>Campylobacter jejuni</i> . <i>Infection and Immunity</i> , 2017, 85, .	2.2	19
22	<i>Salmonella enterica</i> I 4,[5],12:i:- Associated with Lesions Typical of Swine Enteric Salmonellosis. <i>Emerging Infectious Diseases</i> , 2019, 25, 1377-1379.	4.3	19
23	Pathogenicity and Competitive Fitness of <i>Salmonella enterica</i> Serovar 4,[5],12:i:- Compared to <i>Salmonella</i> Typhimurium and <i>Salmonella</i> Derby in Swine. <i>Frontiers in Veterinary Science</i> , 2019, 6, 502.	2.2	19
24	Management Factors Associated with Operation-Level Prevalence of Antibodies to Cache Valley Virus and Other Bunyamwera Serogroup Viruses in Sheep in the United States. <i>Vector-Borne and Zoonotic Diseases</i> , 2015, 15, 683-693.	1.5	18
25	Comparison of atypical <i>Brachyspira</i> spp. clinical isolates and classic strains in a mouse model of swine dysentery. <i>Veterinary Microbiology</i> , 2012, 160, 387-394.	1.9	17
26	Fluorescent in situ hybridization for detection of <i>Brachyspira hamptonii</i> in porcine colonic tissues. <i>Journal of Veterinary Diagnostic Investigation</i> , 2013, 25, 407-412.	1.1	17
27	Impact of PRRSV infection and dietary soybean meal on ileal amino acid digestibility and endogenous amino acid losses in growing pigs ¹ . <i>Journal of Animal Science</i> , 2018, 96, 1846-1859.	0.5	16
28	Matrix-assisted laser desorption ionization time-of-flight mass spectrometry for rapid identification of <i>Brachyspira</i> species isolated from swine, including the newly described <i>Brachyspira hamptonii</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , 2014, 26, 635-639.	1.1	15
29	Genetically divergent porcine sapovirus identified in pigs, United States. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 18-28.	3.0	14
30	Cases of high mortality in cull sows and feeder pigs associated with <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> septicemia. <i>Journal of Veterinary Diagnostic Investigation</i> , 2020, 32, 565-571.	1.1	14
31	Prediction of seasonal patterns of porcine reproductive and respiratory syndrome virus RNA detection in the U.S. swine industry. <i>Journal of Veterinary Diagnostic Investigation</i> , 2020, 32, 394-400.	1.1	14
32	Comparison of two commercial ovine <i>Campylobacter</i> vaccines and an experimental bacterin in guinea pigs inoculated with <i>Campylobacter jejuni</i> . <i>American Journal of Veterinary Research</i> , 2011, 72, 799-805.	0.6	13
33	Alterations in Intestinal Innate Mucosal Immunity of Weaned Pigs During Porcine Epidemic Diarrhea Virus Infection. <i>Veterinary Pathology</i> , 2020, 57, 642-652.	1.7	13
34	Highly Fermentable Fiber Alters Fecal Microbiota and Mitigates Swine Dysentery Induced by <i>Brachyspira hyodysenteriae</i> . <i>Animals</i> , 2021, 11, 396.	2.3	13
35	Comparison of culture, polymerase chain reaction, and fluorescent in situ hybridization for detection of <i>Brachyspira hyodysenteriae</i> and <i>Brachyspira hamptonii</i> in pig feces. <i>Journal of Veterinary Diagnostic Investigation</i> , 2015, 27, 41-46.	1.1	12
36	Impact of porcine reproductive and respiratory syndrome virus on muscle metabolism of growing pigs ¹ . <i>Journal of Animal Science</i> , 2019, 97, 3213-3227.	0.5	12

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37	Epithelial-mesenchymal transition of absorptive enterocytes and depletion of Peyer's patch M cells after PEDV infection. <i>Virology</i> , 2021, 552, 43-51.	2.4	12
38	Replication of <i>Streptococcus equi</i> subspecies <i>zooepidemicus</i> infection in swine. <i>Veterinary Microbiology</i> , 2022, 264, 109271.	1.9	12
39	Weakly haemolytic variants of <i>Brachyspira hyodysenteriae</i> newly emerged in Europe belong to a distinct subclade with unique genetic properties. <i>Veterinary Research</i> , 2019, 50, 21.	3.0	10
40	Emergence of <i>Salmonella enterica</i> serovar 4,[5],12:i:- as the primary serovar identified from swine clinical samples and development of a multiplex real-time PCR for improved <i>Salmonella</i> serovar-level identification. <i>Journal of Veterinary Diagnostic Investigation</i> , 2019, 31, 818-827.	1.1	9
41	Impact of viral disease hypophagia on pig jejunal function and integrity. <i>PLoS ONE</i> , 2020, 15, e0227265.	2.5	9
42	Porcine epidemic diarrhea virus infection induces endoplasmic reticulum stress and unfolded protein response in jejunal epithelial cells of weaned pigs. <i>Veterinary Pathology</i> , 2022, 59, 82-90.	1.7	9
43	Spontaneous Odontoameloblastoma in a Female Sprague Dawley Rat. <i>Journal of Veterinary Diagnostic Investigation</i> , 2010, 22, 998-1001.	1.1	8
44	Occurrence of dysentery-like diarrhoea associated with <i>Brachyspira suanatina</i> infection on a German fattening pig farm. <i>Veterinary Record</i> , 2018, 182, 195-195.	0.3	8
45	Visualization and application of disease diagnosis codes for population health management using porcine diseases as a model. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021, 33, 428-438.	1.1	8
46	<i>Campylobacter jejuni</i> as a cause of canine abortions in the United States. <i>Journal of Veterinary Diagnostic Investigation</i> , 2014, 26, 699-704.	1.1	7
47	Improved Tissue-Based Analytical Test Methods for Orellanine, a Biomarker of Cortinarius Mushroom Intoxication. <i>Toxins</i> , 2016, 8, 158.	3.4	7
48	<i>Brachyspira hyodysenteriae</i> Infection Reduces Digestive Function but Not Intestinal Integrity in Growing Pigs While Disease Onset Can Be Mitigated by Reducing Insoluble Fiber. <i>Frontiers in Veterinary Science</i> , 2020, 7, 587926.	2.2	7
49	Disease diagnostic coding to facilitate evidence-based medicine: current and future perspectives. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021, 33, 419-427.	1.1	7
50	Data standardization implementation and applications within and among diagnostic laboratories: integrating and monitoring enteric coronaviruses. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021, 33, 457-468.	1.1	6
51	Impact of <i>Brachyspira hyodysenteriae</i> on intestinal amino acid digestibility and endogenous amino acid losses in pigs ¹ . <i>Journal of Animal Science</i> , 2019, 97, 257-268.	0.5	5
52	Research Relevant Background Lesions and Conditions: Ferrets, Dogs, Swine, Sheep, and Goats. <i>ILAR Journal</i> , 2021, 62, 133-168.	1.8	5
53	Genetic characterization of porcine sapoviruses identified from pigs during a diarrhoea outbreak in Iowa, 2019. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 1246-1255.	3.0	4
54	<i>Lawsonia intracellularis</i> infected enterocytes lack sucrase-isomaltase which contributes to reduced pig digestive capacity. <i>Veterinary Research</i> , 2021, 52, 90.	3.0	4

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55	Comparative Analysis of Novel Strains of Porcine Astrovirus Type 3 in the USA. <i>Viruses</i> , 2021, 13, 1859.	3.3	4
56	Outbreak of H5N2 highly pathogenic avian Influenza A virus infection in two commercial layer facilities. <i>Journal of Veterinary Diagnostic Investigation</i> , 2016, 28, 568-573.	1.1	3
57	Alteration of Colonic Mucin Composition and Cytokine Expression in Acute Swine Dysentery. <i>Veterinary Pathology</i> , 2021, 58, 531-541.	1.7	3
58	IDENTIFICATION AND CORRELATION OF A NOVEL SIADENOVIRUS IN A FLOCK OF BUDGERIGARS (MELOPSITTACUS UNDULATES) INFECTED WITH SALMONELLA TYPHIMURIUM IN THE UNITED STATES. <i>Journal of Zoo and Wildlife Medicine</i> , 2020, 51, 618-630.	0.6	3
59	Case Report and Genomic Characterization of a Novel Porcine Nodavirus in the United States. <i>Viruses</i> , 2021, 13, 73.	3.3	2
60	Dietary Pharmacological Zinc and Copper Enhances Voluntary Feed Intake of Nursery Pigs. <i>Frontiers in Animal Science</i> , 2022, 3, .	1.9	2
61	85 Vaccination Mitigates Performance Losses During a <i>Lawsonia Intracellularis</i> Experimental Challenge. <i>Journal of Animal Science</i> , 2021, 99, 8-8.	0.5	1
62	268 In-feed Antibiotics Elicit Intestinal Integrity Modifications Early in Post-weaning Life. <i>Journal of Animal Science</i> , 2021, 99, 99-99.	0.5	1
63	374 Metabolic response of pigs to Porcine Reproductive and Respiratory Syndrome virus infection and nutrient restriction. <i>Journal of Animal Science</i> , 2019, 97, 57-57.	0.5	0
64	PSVII-5 Zinc overload in weaned pigs: tissue accumulation, pathology, and growth impacts. <i>Journal of Animal Science</i> , 2019, 97, 215-215.	0.5	0
65	198 An in vivo model to investigate the effects of host stress and <i>Salmonella typhimurium</i> infection on nursery pigs. <i>Journal of Animal Science</i> , 2019, 97, 112-112.	0.5	0
66	111 Common nutritional and infectious health challenges in nursery pigs. <i>Journal of Animal Science</i> , 2019, 97, 62-63.	0.5	0
67	132 The impact of F18 ETEC challenge on intestinal integrity and immune response of nursery pigs, and the potential protective effects of direct-fed microbial blends. <i>Journal of Animal Science</i> , 2019, 97, 73-74.	0.5	0
68	130 Young Scholar Presentation: Can exogenous carbohydrase supplementation to higher-fiber diets improve gut function, microbiota, and growth performance of weaned pigs?. <i>Journal of Animal Science</i> , 2019, 97, 76-76.	0.5	0
69	PSIV-18 Effect of sub-therapeutic antibiotics and pharmacological zinc oxide on nursery pig performance and intestinal integrity and function. <i>Journal of Animal Science</i> , 2019, 97, 190-190.	0.5	0
70	159 Impact of dietary fiber and carbohydrases on intestinal gene transcription in enterotoxigenic <i>E. coli</i> challenged pigs. <i>Journal of Animal Science</i> , 2019, 97, 90-91.	0.5	0
71	292 The effect of pharmacological zinc on oral <i>Salmonella</i> vaccine efficacy. <i>Journal of Animal Science</i> , 2020, 98, 108-108.	0.5	0
72	231 Impact of <i>Brachyspira hyodysenteriae</i> on intestinal function and integrity. <i>Journal of Animal Science</i> , 2020, 98, 116-116.	0.5	0

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73	PSIX-1 Altering dietary fiber components mitigates severity of <i>Brachyspira hyodysenteriae</i> challenge. <i>Journal of Animal Science</i> , 2020, 98, 190-191.	0.5	0
74	PSVIII-14 Zinc Oxide Augments Early Nursery Pig Feed Intake. <i>Journal of Animal Science</i> , 2022, 100, 184-185.	0.5	0
75	102 Reduced Caloric Intake Increases the Incidence Rate of Gastric Ulcers in Growing Pigs. <i>Journal of Animal Science</i> , 2022, 100, 43-44.	0.5	0