

Zvonimir Poljak

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

771
citations

566801

15
h-index

642321

23
g-index

80
all docs

80
docs citations

80
times ranked

923
citing authors

#	ARTICLE	IF	CITATIONS
1	Technology-enhanced weight-loss program in multiple-cat households: a randomized controlled trial. <i>Journal of Feline Medicine and Surgery</i> , 2022, 24, 726-738.	0.6	4
2	Network analysis of Standardbred horse movements between racetracks in Canada and the United States in 2019: Implications for disease spread and control. <i>Preventive Veterinary Medicine</i> , 2022, 204, 105643.	0.7	0
3	Antimicrobial use in lactating sows, piglets, nursery, and grower-finisher pigs on swine farms in Ontario, Canada during 2017 and 2018. <i>Porcine Health Management</i> , 2022, 8, 17.	0.9	5
4	A framework for the risk prediction of avian influenza occurrence: An Indonesian case study. <i>PLoS ONE</i> , 2021, 16, e0245116.	1.1	2
5	Within-host model of respiratory virus shedding and antibody response to H9N2 avian influenza virus vaccination and infection in chickens. <i>Infectious Disease Modelling</i> , 2021, 6, 490-502.	1.2	0
6	Socio-demographic disparities in knowledge, practices, and ability to comply with COVID-19 public health measures in Canada. <i>Canadian Journal of Public Health</i> , 2021, 112, 363-375.	1.1	40
7	The impact of porcine reproductive and respiratory syndrome virus (PRRSV) genotypes, established on the basis of ORF-5 nucleotide sequences, on three production parameters in Ontario sow farms. <i>Preventive Veterinary Medicine</i> , 2021, 189, 105312.	0.7	5
8	Assessment of exposure to influenza A viruses in pigs between weaning and market age. <i>Veterinary Research</i> , 2021, 52, 60.	1.1	1
9	Day-1 Competencies for Veterinarians Specific to Health Informatics. <i>Frontiers in Veterinary Science</i> , 2021, 8, 651238.	0.9	2
10	Study of the relationship between untypable and typable isolates of <i>Streptococcus suis</i> recovered from clinically ill and healthy nursery pigs. <i>Veterinary Microbiology</i> , 2021, 257, 109064.	0.8	4
11	Physiological response of weaned piglets to two transport durations observed in a Canadian commercial setting. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	4
12	The impact of the initial public health response to COVID-19 on swine health surveillance in Ontario. <i>One Health</i> , 2021, 13, 100338.	1.5	1
13	Serotypes, Virulence-Associated Factors, and Antimicrobial Resistance of <i>Streptococcus suis</i> Isolates Recovered From Sick and Healthy Pigs Determined by Whole-Genome Sequencing. <i>Frontiers in Veterinary Science</i> , 2021, 8, 742345.	0.9	10
14	Quantifying contact patterns in response to COVID-19 public health measures in Canada. <i>BMC Public Health</i> , 2021, 21, 2040.	1.2	12
15	Classification of porcine reproductive and respiratory syndrome virus in Ontario using Bayesian phylogenetics and assessment of temporal trends. <i>Canadian Journal of Veterinary Research</i> , 2021, 85, 83-92.	0.2	1
16	Choosing which metrics to use when reporting antimicrobial use information to veterinarians in the Canadian swine industry. <i>Canadian Veterinary Journal</i> , 2021, 62, 453-460.	0.0	1
17	An animal health example of managing and analyzing a large volume of data on a PC: Modeling body weight and age of over 13 million cats for explanatory and predictive purposes. <i>Preventive Veterinary Medicine</i> , 2020, 174, 104824.	0.7	1
18	An investigation of transportation practices in an Ontario swine system using descriptive network analysis. <i>PLoS ONE</i> , 2020, 15, e0226813.	1.1	5

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19	Influenza A virus vaccine research conducted in swine from 1990 to May 2018: A scoping review. PLoS ONE, 2020, 15, e0236062.	1.1	4
20	Veterinarian barriers to knowledge translation (KT) within the context of swine infectious disease research: an international survey of swine veterinarians. BMC Veterinary Research, 2020, 16, 416.	0.7	3
21	Identifying Active Salmonella Infections in Swine Nurseries Using Serology and Bacterial Culture and Evaluating Associated Risk Factors. Animals, 2020, 10, 1517.	1.0	2
22	A decision support framework for prediction of avian influenza. Scientific Reports, 2020, 10, 19011.	1.6	8
23	Effect of flavophospholipol on fecal microbiota in weaned pigs challenged with Salmonella Typhimurium. Porcine Health Management, 2020, 6, 14.	0.9	1
24	A within-host mathematical model of H9N2 avian influenza infection and type-I interferon response pathways in chickens. Journal of Theoretical Biology, 2020, 499, 110320.	0.8	4
25	Examining the Effect of Host Recruitment Rates on the Transmission of Streptococcus suis in Nursery Swine Populations. Pathogens, 2020, 9, 174.	1.2	5
26	A Case-Control Study to Investigate the Serotypes of S. suis Isolates by Multiplex PCR in Nursery Pigs in Ontario, Canada. Pathogens, 2020, 9, 44.	1.2	10
27	A descriptive study of on-farm biosecurity and management practices during the incursion of porcine epidemic diarrhea into Canadian swine herds, 2014. Journal of Veterinary Science, 2020, 21, e25.	0.5	1
28	Efficacy of autogenous vaccine in nursery pigs - A response. Canadian Veterinary Journal, 2020, 61, 113-114.	0.0	0
29	Aerosol Detection and Transmission of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV): What Is the Evidence, and What Are the Knowledge Gaps?. Viruses, 2019, 11, 712.	1.5	40
30	Positioning Quebec ORF5 sequences of porcine reproductive and respiratory syndrome virus (PRRSV) within Canada and worldwide diversity. Infection, Genetics and Evolution, 2019, 74, 103999.	1.0	8
31	Descriptive analysis of horse movement networks during the 2015 equestrian season in Ontario, Canada. PLoS ONE, 2019, 14, e0219771.	1.1	7
32	A review of knowledge discovery process in control and mitigation of avian influenza. Animal Health Research Reviews, 2019, 20, 61-71.	1.4	2
33	Comparison of the dynamic networks of four equine boarding and training facilities. Preventive Veterinary Medicine, 2019, 162, 84-94.	0.7	5
34	Validation of modified radio-frequency identification tag firmware, using an equine population case study. PLoS ONE, 2019, 14, e0210148.	1.1	5
35	Factors Associated With Time to Elimination of Porcine Epidemic Diarrhea Virus in Individual Ontario Swine Herds Based on Surveillance Data. Frontiers in Veterinary Science, 2019, 6, 139.	0.9	4
36	Impact of alignment algorithm on the estimation of pairwise genetic similarity of porcine reproductive and respiratory syndrome virus (PRRSV). BMC Veterinary Research, 2019, 15, 135.	0.7	4

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37	Comparing the effects of non-homogenous mixing patterns on epidemiological outcomes in equine populations: A mathematical modelling study. <i>Scientific Reports</i> , 2019, 9, 3227.	1.6	7
38	Bioaerosol and surface sampling for the surveillance of influenza A virus in swine. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1210-1217.	1.3	22
39	Forecasting herd-level porcine epidemic diarrhea (PED) frequency trends in Ontario (Canada). <i>Preventive Veterinary Medicine</i> , 2019, 164, 15-22.	0.7	2
40	Convolutional Classification of Pathogenicity in H5 Avian Influenza Strains. , 2019, , .		4
41	The Assessment of Twitter's Potential for Outbreak Detection: Avian Influenza Case Study. <i>Scientific Reports</i> , 2019, 9, 18147.	1.6	41
42	A scoping review of "big data", "informatics", and "bioinformatics" in the animal health and veterinary medical literature. <i>Animal Health Research Reviews</i> , 2019, 20, 1-18.	1.4	10
43	Network analyses using case-control data to describe and characterize the initial 2014 incursion of porcine epidemic diarrhea (PED) in Canadian swine herds. <i>Preventive Veterinary Medicine</i> , 2019, 162, 18-28.	0.7	6
44	Field studies evaluating the direct, indirect, total, and overall efficacy of autogenous vaccine in nursery pigs. <i>Canadian Veterinary Journal</i> , 2019, 60, 386-390.	0.0	8
45	An epidemiological investigation of the early phase of the porcine epidemic diarrhea (PED) outbreak in Canadian swine herds in 2014: A case-control study. <i>Preventive Veterinary Medicine</i> , 2018, 150, 101-109.	0.7	19
46	Estimating the potential for disease spread in horses associated with an equestrian show in Ontario, Canada using an agent-based model. <i>Preventive Veterinary Medicine</i> , 2018, 151, 21-28.	0.7	4
47	An SEIR model of influenza A virus infection and reinfection within a farrow-to-finish swine farm. <i>PLoS ONE</i> , 2018, 13, e0202493.	1.1	34
48	A descriptive analysis of swine movements in Ontario (Canada) as a contributor to disease spread. <i>Preventive Veterinary Medicine</i> , 2018, 159, 211-219.	0.7	5
49	Assessment of autoregressive integrated moving average (ARIMA), generalized linear autoregressive moving average (GLARMA), and random forest (RF) time series regression models for predicting influenza A virus frequency in swine in Ontario, Canada. <i>PLoS ONE</i> , 2018, 13, e0198313.	1.1	40
50	Modeling livestock population structure: a geospatial database for Ontario swine farms. <i>BMC Veterinary Research</i> , 2018, 14, 31.	0.7	2
51	Using a computer simulation model to examine the impact of biosecurity measures during a facility-level outbreak of equine influenza. <i>Canadian Journal of Veterinary Research</i> , 2018, 82, 89-96.	0.2	0
52	Factors contributing to mortality during a outbreak in nursery pigs. <i>Canadian Veterinary Journal</i> , 2018, 59, 623-630.	0.0	8
53	A longitudinal study describing horse demographics and movements during a competition season in Ontario, Canada. <i>Canadian Veterinary Journal</i> , 2018, 59, 783-790.	0.0	4
54	A method to detect carrying the colistin-resistance genes and using a single real-time polymerase chain reaction and its application to chicken cecal and porcine fecal samples. <i>Canadian Journal of Veterinary Research</i> , 2018, 82, 312-315.	0.2	0

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55	Implementation of an algorithm for selection of antimicrobial therapy for diarrhoeic calves: Impact on antimicrobial treatment rates, health and faecal microbiota. <i>Veterinary Journal</i> , 2017, 226, 15-25.	0.6	19
56	Spatial analysis of <i>Leptospira</i> infection in muskrats in Lower Saxony, Germany, and the association with human leptospirosis. <i>Research in Veterinary Science</i> , 2017, 114, 351-354.	0.9	7
57	Descriptive and network analyses of the equine contact network at an equestrian show in Ontario, Canada and implications for disease spread. <i>BMC Veterinary Research</i> , 2017, 13, 191.	0.7	9
58	Virological Surveillance of Influenza A Subtypes Isolated in 2014 from Clinical Outbreaks in Canadian Swine. <i>Viruses</i> , 2017, 9, 55.	1.5	2
59	Longitudinal study of influenza A virus circulation in a nursery swine barn. <i>Veterinary Research</i> , 2017, 48, 63.	1.1	13
60	Treatment rates for injectable tiamulin and lincomycin as an estimate of morbidity in a swine herd with endemic swine dysentery. <i>Canadian Veterinary Journal</i> , 2017, 58, 472-481.	0.0	1
61	Evaluation of Control Strategies for Porcine Reproductive and Respiratory Syndrome (PRRS) in Swine Breeding Herds Using a Discrete Event Agent-Based Model. <i>PLoS ONE</i> , 2016, 11, e0166596.	1.1	19
62	An economic evaluation of intervention strategies for Porcine Epidemic Diarrhea (PED). <i>Preventive Veterinary Medicine</i> , 2016, 134, 58-68.	0.7	27
63	Factors associated with development of Canine Infectious Respiratory Disease Complex (CIRDC) in dogs in 5 Canadian small animal clinics. <i>Canadian Veterinary Journal</i> , 2016, 57, 46-51.	0.0	14
64	Persistence of clinical signs associated with rotavirus following an outbreak of porcine epidemic diarrhea (PED) on a farrow-to-grow swine operation in southwestern Ontario. <i>Canadian Veterinary Journal</i> , 2016, 57, 610-3.	0.0	0
65	Development of a network based model to simulate the between-farm transmission of the porcine reproductive and respiratory syndrome virus. <i>Veterinary Microbiology</i> , 2015, 180, 212-222.	0.8	24
66	Simulation of between-farm transmission of porcine reproductive and respiratory syndrome virus in Ontario, Canada using the North American Animal Disease Spread Model. <i>Preventive Veterinary Medicine</i> , 2015, 118, 413-426.	0.7	21
67	Genetic Characterization of H1N1 and H1N2 Influenza A Viruses Circulating in Ontario Pigs in 2012. <i>PLoS ONE</i> , 2015, 10, e0127840.	1.1	14
68	Investigation of biosecurity risks associated with the feed delivery: A pilot study. <i>Canadian Veterinary Journal</i> , 2015, 56, 502-8.	0.0	2
69	Descriptive analysis and spatial epidemiology of porcine reproductive and respiratory syndrome (PRRS) for swine sites participating in area regional control and elimination programs from 3 regions of Ontario. <i>Canadian Journal of Veterinary Research</i> , 2015, 79, 268-78.	0.2	8
70	Assessment of seasonality of influenza in swine using field submissions to a diagnostic laboratory in Ontario between 2007 and 2012. <i>Influenza and Other Respiratory Viruses</i> , 2014, 8, 482-492.	1.5	20
71	Molecular characterization of H3N2 influenza A viruses isolated from Ontario swine in 2011 and 2012. <i>Virology Journal</i> , 2014, 11, 194.	1.4	13
72	Association between the genetic similarity of the open reading frame 5 sequence of Porcine reproductive and respiratory syndrome virus and the similarity in clinical signs of Porcine reproductive and respiratory syndrome in Ontario swine herds. <i>Canadian Journal of Veterinary Research</i> , 2014, 78, 250-9.	0.2	1

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73	Epidemiological investigations in regard to porcine reproductive and respiratory syndrome (PRRS) in Quebec, Canada. Part 2: Prevalence and risk factors in breeding sites. <i>Preventive Veterinary Medicine</i> , 2012, 104, 84-93.	0.7	34
74	Spread of porcine circovirus associated disease (PCVAD) in Ontario (Canada) swine herds: Part II. Matched case-control study. <i>BMC Veterinary Research</i> , 2010, 6, 58.	0.7	3
75	Spread of porcine circovirus associated disease (PCVAD) in Ontario (Canada) swine herds: Part I. Exploratory spatial analysis. <i>BMC Veterinary Research</i> , 2010, 6, 59.	0.7	10
76	Field efficacy of an inactivated bivalent influenza vaccine in a multi-site swine production system during an outbreak of systemic porcine circovirus associated disease. <i>Canadian Journal of Veterinary Research</i> , 2010, 74, 108-17.	0.2	2
77	Investigation of exposure to swine influenza viruses in Ontario (Canada) finisher herds in 2004 and 2005. <i>Preventive Veterinary Medicine</i> , 2008, 83, 24-40.	0.7	14
78	Prevalence of and risk factors for influenza in southern Ontario swine herds in 2001 and 2003. <i>Canadian Journal of Veterinary Research</i> , 2008, 72, 7-17.	1.1	47
79	Pig and herd level prevalence of <i>Toxoplasma gondii</i> in Ontario finisher pigs in 2001, 2003, and 2004. <i>Canadian Journal of Veterinary Research</i> , 2008, 72, 303-10.	1.1	13
80	Spatial clustering of swine influenza in Ontario on the basis of herd-level disease status with different misclassification errors. <i>Preventive Veterinary Medicine</i> , 2007, 81, 236-249.	0.7	7