Marie R Culhane

List of Publications by Year
in descending order

66 papers	1,909 citations	331259 21 h-index	276539 41 g-index
68 all docs	68 docs citations	68 times ranked	2105 citing authors

#	Article	IF	Citations
1	Evidence of influenza A infection and risk of transmission between pigs and farmworkers. Zoonoses and Public Health, 2022, 69, 560-571.	0.9	7
2	Genetic variability of influenza A virus in pigs at weaning in Midwestern United States swine farms. Transboundary and Emerging Diseases, 2021, 68, 62-75.	1.3	8
3	Effect of influenza A virus sow vaccination on infection in pigs at weaning: A prospective longitudinal study. Transboundary and Emerging Diseases, 2021, 68, 183-193.	1.3	6
4	Estimating epidemiological parameters using diagnostic testing data from low pathogenicity avian influenza infected turkey houses. Scientific Reports, 2021, 11, 1602.	1.6	2
5	Shedding and transmission of a live attenuated influenza A virus vaccine in pre-weaned pigs under field conditions. PLoS ONE, 2021, 16, e0246690.	1.1	2
6	Impact of nurse sows on influenza A virus transmission in pigs under field conditions. Preventive Veterinary Medicine, 2021, 188, 105257.	0.7	9
7	A Retrospective Study of Early vs. Late Virus Detection and Depopulation on Egg Laying Chicken Farms Infected with Highly Pathogenic Avian Influenza Virus During the 2015 H5N2 Outbreak in the United States. Avian Diseases, 2021, 65, 474-482.	0.4	0
8	Simulated Flock-Level Shedding Characteristics of Turkeys in Ten Thousand Bird Houses Infected with H7 Low Pathogenicity Avian Influenza Virus Strains. Viruses, 2021, 13, 2509.	1.5	0
9	Genetic diversity of influenza A viruses circulating in pigs between winter and summer in a Minnesota live animal market. Zoonoses and Public Health, 2020, 67, 243-250.	0.9	3
10	Antigenic characterization of novel H1 influenza A viruses in swine. Scientific Reports, 2020, 10, 4510.	1.6	19
11	Transmission of influenza A virus and porcine reproductive and respiratory syndrome virus using a novel nurse sow model: a proof of concept. Veterinary Research, 2020, 51, 42.	1.1	7
12	A feasibility study of conducting surveillance for swine pathogens in slurry from North Carolina swine farms. Scientific Reports, 2020, 10, 10059.	1.6	3
13	Exploring heterologous prime-boost vaccination approaches to enhance influenza control in pigs. Veterinary Research, 2020, 51, 89.	1.1	8
14	Specimen Types, Collection, and Transport for Influenza A Viruses of Swine. Methods in Molecular Biology, 2020, 2123, 273-280.	0.4	0
15	Effect of strain-specific maternally-derived antibodies on influenza A virus infection dynamics in nursery pigs. PLoS ONE, 2019, 14, e0210700.	1.1	17
16	Analysis of geographic location and pathways for influenza A virus infection of commercial upland game bird and conventional poultry farms in the United StatesÂof America. BMC Veterinary Research, 2019, 15, 147.	0.7	2
17	Human-Origin Influenza A(H3N2) Reassortant Viruses in Swine, Southeast Mexico. Emerging Infectious Diseases, 2019, 25, 691-700.	2.0	18
18	Evolution of rotavirus C in humans and several domestic animal species. Zoonoses and Public Health, 2019, 66, 546-557.	0.9	20

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19	Comparison of individual, group and environmental sampling strategies to conduct influenza surveillance in pigs. BMC Veterinary Research, 2019, 15, 61.	0.7	25
20	A Risk-Based Permitting Process for the Managed Movement of Animals and Products of Animal Origin as a Tool for Disease Management. Frontiers in Veterinary Science, 2019, 6, 433.	0.9	1
21	Human-Origin Influenza A(H3N2) Reassortant Viruses in Swine, Southeast Mexico. Emerging Infectious Diseases, 2019, 25, .	2.0	0
22	Building an all-hazards agricultural emergency response system to maintain business continuity and promote the sustainable supply of food and agricultural products. Cogent Food and Agriculture, 2018, 4, 1550907.	0.6	1
23	Breed-to-wean farm factors associated with influenza A virus infection in piglets at weaning. Preventive Veterinary Medicine, 2018, 161, 33-40.	0.7	16
24	Avian Influenza in the U.S. Commercial Upland Game Bird Industry: An Analysis of Selected Practices as Potential Exposure Pathways and Surveillance System Data Reporting. Avian Diseases, 2018, 62, 307.	0.4	5
25	Preparing for a Foreign Animal Disease Outbreak Using a Novel Tabletop Exercise. Prehospital and Disaster Medicine, 2018, 33, 640-646.	0.7	3
26	Garbage Management: An Important Risk Factor for HPAI-Virus Infection in Commercial Poultry Flocks. Frontiers in Veterinary Science, 2018, 5, 5.	0.9	6
27	Establishing Monitored Premises Status for Continuity of Business Permits During an HPAI Outbreak. Frontiers in Veterinary Science, 2018, 5, 129.	0.9	1
28	Detection of influenza A virus in aerosols of vaccinated and non-vaccinated pigs in a warm environment. PLoS ONE, 2018, 13, e0197600.	1.1	9
29	Avian Influenza Prevalence and Viral Shedding Routes in Minnesota Ring-Billed Gulls (Larus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.4	7
30	Mortality-Based Triggers and Premovement Testing Protocols for Detection of Highly Pathogenic Avian Influenza Virus Infection in Commercial Upland Game Birds. Avian Diseases, 2018, 63, 157.	0.4	3
31	Evaluating the Effect of the Within-Flock Disease Transmission Rate on Premovement Active Surveillance in Low Pathogenicity Avian Influenzaâ€“Infected Flocks. Avian Diseases, 2018, 63, 249.	0.4	1
32	Environmental Sampling Survey of H5N2 Highly Pathogenic Avian Influenzaâ€“Infected Layer Chicken Farms in Minnesota and Iowa. Avian Diseases, 2018, 62, 373.	0.4	9
33	Multiple Genome Constellations of Similar and Distinct Influenza A Viruses Co-Circulate in Pigs During Epidemic Events. Scientific Reports, 2017, 7, 11886.	1.6	23
34	Complete Genome Sequencing of Influenza A Viruses within Swine Farrow-to-Wean Farms Reveals the Emergence, Persistence, and Subsidence of Diverse Viral Genotypes. Journal of Virology, 2017, 91, .	1.5	35
35	Proactive Risk Assessments and the Continuity of Business Principles: Perspectives on This Novel, Combined Approach to Develop Guidance for the Permitted Movement of Agricultural Products during a Foot-and-Mouth Disease Outbreak in the United States. Frontiers in Veterinary Science, 2017, 3, 117.	0.9	3
36	Longitudinal Surveillance of Porcine Rotavirus B Strains from the United States and Canada and In Silico Identification of Antigenically Important Sites. Pathogens, 2017, 6, 64.	1.2	5

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37	The emergence and evolution of influenza A (H1Î±) viruses in swine in Canada and the United States. Journal of General Virology, 2017, 98, 2663-2675.	1.3	23
38	Epidemiological investigations of the introduction of porcine reproductive and respiratory syndrome virus in Chile, 2013-2015. PLoS ONE, 2017, 12, e0181569.	1.1	22
39	Ring test evaluation of the detection of influenza A virus in swine oral fluids by real-time reverse-transcription polymerase chain reaction and virus isolation. Canadian Journal of Veterinary Research, 2016, 80, 12-20.	0.2	4
40	Comparative virulence of wild-type H1N1pdm09 influenza A isolates in swine. Veterinary Microbiology, 2015, 176, 40-49.	0.8	13
41	Influenza A viruses of swine circulating in the United States during 2009â€“2014 are susceptible to neuraminidase inhibitors but show lineage-dependent resistance to adamantanes. Antiviral Research, 2015, 117, 10-19.	1.9	15
42	Association between Influenza A Virus Infection and Pigs Subpopulations in Endemically Infected Breeding Herds. PLoS ONE, 2015, 10, e0129213.	1.1	33
43	Global migration of influenza A viruses in swine. Nature Communications, 2015, 6, 6696.	5.8	128
44	Genome plasticity of triple-reassortant H1N1 influenza A virus during infection of vaccinated pigs. Journal of General Virology, 2015, 96, 2982-2993.	1.3	9
45	Novel Human-like Influenza A Viruses Circulate in Swine in Mexico and Chile. PLOS Currents, 2015, 7, .	1.4	23
46	Widespread Rotavirus H in Commercially Raised Pigs, United States. Emerging Infectious Diseases, 2014, 20, 1203-1206.	2.0	48
47	Distinct Characteristics and Complex Evolution of PEDV Strains, North America, May 2013â€“February 2014. Emerging Infectious Diseases, 2014, 20, 1620-8.	2.0	268
48	Infection Dynamics of Pandemic 2009 H1N1 Influenza Virus in a Two-Site Swine Herd. Transboundary and Emerging Diseases, 2014, 61, 490-499.	1.3	42
49	Risk Factors for Exposure to Influenza A Viruses, Including Subtype H5 Viruses, in Thai Free-Grazing Ducks. Transboundary and Emerging Diseases, 2014, 61, 362-374.	1.3	15
50	Detection of Airborne Influenza A Virus in Experimentally Infected Pigs With Maternally Derived Antibodies. Transboundary and Emerging Diseases, 2014, 61, 28-36.	1.3	32
51	Review of Influenza <scp>A</scp> Virus in Swine Worldwide: A Call for Increased Surveillance and Research. Zoonoses and Public Health, 2014, 61, 4-17.	0.9	224
52	Rapid detection and high occurrence of porcine rotavirus A, B, and C by RT-qPCR in diagnostic samples. Journal of Virological Methods, 2014, 209, 30-34.	1.0	94
53	Introductions and Evolution of Human-Origin Seasonal Influenza A Viruses in Multinational Swine Populations. Journal of Virology, 2014, 88, 10110-10119.	1.5	88
54	Shotgun glycomics of pig lung identifies natural endogenous receptors for influenza viruses. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2241-50.	3.3	97

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55	VP6 genetic diversity, reassortment, intragenic recombination and classification of rotavirus B in American and Japanese pigs. Veterinary Microbiology, 2014, 172, 359-366.	0.8	26
56	Sample Types, Collection, and Transport for Influenza A Viruses of Swine. Methods in Molecular Biology, 2014, 1161, 259-263.	0.4	4
57	Antigenic drift of <scp>H</scp>1<scp>N</scp>1 influenza <scp>A</scp> virus in pigs with and without passive immunity. Influenza and Other Respiratory Viruses, 2013, 7, 52-60.	1.5	13
58	Identification, phylogenetic analysis and classification of porcine group C rotavirus VP7 sequences from the United States and Canada. Virology, 2013, 446, 189-198.	1.1	71
59	Genotype patterns of contemporary reassorted H3N2 virus in US swine. Journal of General Virology, 2013, 94, 1236-1241.	1.3	68
60	A case of chronic wasting disease in a captive red deer (Cervus elaphus). Journal of Veterinary Diagnostic Investigation, 2013, 25, 573-576.	0.5	18
61	Swine influenza virus vaccine serologic crossâ€reactivity to contemporary <scp>US</scp> swine H3N2 and efficacy in pigs infected with an H3N2 similar to 2011â€“2012 H3N2v. Influenza and Other Respiratory Viruses, 2013, 7, 32-41.	1.5	34
62	Antiviral Responses by Swine Primary Bronchoepithelial Cells Are Limited Compared to Human Bronchoepithelial Cells Following Influenza Virus Infection. PLoS ONE, 2013, 8, e70251.	1.1	16
63	Airborne Detection and Quantification of Swine Influenza A Virus in Air Samples Collected Inside, Outside and Downwind from Swine Barns. PLoS ONE, 2013, 8, e71444.	1.1	64
64	Active Surveillance for Influenza A Virus among Swine, Midwestern United States, 2009â€“2011. Emerging Infectious Diseases, 2013, 19, 954-960.	2.0	66
65	Genotype patterns of contemporary reassorted H3N2 virus in US swine. Journal of General Virology, 2013, 94, 1236-1241.	1.3	52
66	Comparison of Human-Like H1 (-Cluster) Influenza A Viruses in the Swine Host. Influenza Research and Treatment, 2012, 2012, 1-7.	1.5	3