Erica Spackman

List of Publications by Year in Descending Order

117 papers	5,110 citations	38 h-index	69 g-index
120 ext. papers	5,680 ext. citations	3.6 avg, IF	5.43 L-index

#	Paper	IF	Citations
117	Efficacy of two vaccines against recent emergent antigenic variants of clade 2.3.2.1a highly pathogenic avian influenza viruses in Bangladesh. *Vaccine*, **2021**, 39, 2824-2832	4.1	0
116	Identification of optimal sample collection devices and sampling locations for the detection of environmental viral contamination in wire poultry cages. *Transboundary and Emerging Diseases*, **2021**, 68, 598-604	4.2	1
115	Estimating epidemiological parameters using diagnostic testing data from low pathogenicity avian influenza infected turkey houses. *Scientific Reports*, **2021**, 11, 1602	4.9	0
114	The pathogenicity and transmission of live bird market H2N2 avian influenza viruses in chickens, Pekin ducks, and guinea fowl. *Veterinary Microbiology*, **2021**, 260, 109180	3.3	0
113	Identification of efficacious vaccines against contemporary North American H7 avian influenza viruses. *Avian Diseases*, **2020**,	1.6	2
112	Avian Influenza Virus Detection and Quantitation by Real-Time RT-PCR. *Methods in Molecular Biology*, **2020**, 2123, 137-148	1.4	3
111	Avian Influenza Virus RNA Extraction. *Methods in Molecular Biology*, **2020**, 2123, 123-135	1.4	
110	Effects of an H7 Highly Pathogenic and Related Low Pathogenic Avian Influenza Virus on Chicken Egg Production, Viability, and Virus Contamination of Egg Contents and Surfaces. *Avian Diseases*, **2020**, 64, 143-148	1.6	1
109	Emerging Diseases and Diseases of Complex or Unknown Etiology **2020**, 1383-1410		1
108	Cross-Protection by Inactivated H5 Prepandemic Vaccine Seed Strains against Diverse Goose/Guangdong Lineage H5N1 Highly Pathogenic Avian Influenza Viruses. *Journal of Virology*, **2020**, 94,	6.6	5
107	The pathogenesis of a North American H5N2 clade 2.3.4.4 group A highly pathogenic avian influenza virus in surf scoters (Melanitta perspicillata). *BMC Veterinary Research*, **2020**, 16, 351	2.7	2
106	Selection and antigenic characterization of immune-escape mutants of H7N2 low pathogenic avian influenza virus using homologous polyclonal sera. *Virus Research*, **2020**, 290, 198188	6.4	5
105	Influenza A viruses remain infectious for more than seven months in northern wetlands of North America. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20201680	4.4	13
104	Avian Influenza Virus Isolation, Propagation, and Titration in Embryonated Chicken Eggs. *Methods in Molecular Biology*, **2020**, 2123, 149-164	1.4	5
103	Detection of Influenza A Antibodies in Avian Samples by ELISA. *Methods in Molecular Biology*, **2020**, 2123, 177-193	1.4	1
102	Hemagglutination Inhibition Assay. *Methods in Molecular Biology*, **2020**, 2123, 11-28	1.4	3
101	A Brief Introduction to Avian Influenza Virus. *Methods in Molecular Biology*, **2020**, 2123, 83-92	1.4	6

100	Assessment of replicate numbers for titrating avian influenza virus using dose-response models. *Journal of Veterinary Diagnostic Investigation*, **2019**, 31, 616-619	1.5	5
99	Protection afforded by avian influenza vaccination programmes consisting of a novel RNA particle and an inactivated avian influenza vaccine against a highly pathogenic avian influenza virus challenge in layer chickens up to 18 weeks post-vaccination. *Avian Pathology*, **2019**, 48, 371-381	2.4	3
98	Efficacy of novel recombinant fowlpox vaccine against recent Mexican H7N3 highly pathogenic avian influenza virus. *Vaccine*, **2019**, 37, 2232-2243	4.1	12
97	Pathobiology and innate immune responses of gallinaceous poultry to clade 2.3.4.4A H5Nx highly pathogenic avian influenza virus infection. *Veterinary Research*, **2019**, 50, 89	3.8	3
96	The Pathogenesis of H7 Highly Pathogenic Avian Influenza Viruses in Lesser Scaup (). *Avian Diseases* , **2019**, 63, 230-234	1.6	3
95	Clade 2.3.4.4 H5 North American Highly Pathogenic Avian Influenza Viruses Infect, but Do Not Cause Clinical Signs in, American Black Ducks (). *Avian Diseases*, **2019**, 63, 366-370	1.6	4
94	Antigenic characterization of highly pathogenic avian influenza A(H5N1) viruses with chicken and ferret antisera reveals clade-dependent variation in hemagglutination inhibition profiles. *Emerging Microbes and Infections*, **2018**, 7, 100	18.9	6
93	The Effect of Infectious Bursal Disease Virus-Induced Immunosuppression on Vaccination Against Highly Pathogenic Avian Influenza Virus. *Avian Diseases*, **2018**, 62, 36-44	1.6	19
92	Homologous and heterologous antigenic matched vaccines containing different H5 hemagglutinins provide variable protection of chickens from the 2014 U.S. H5N8 and H5N2 clade 2.3.4.4 highly pathogenic avian influenza viruses. *Vaccine*, **2017**, 35, 6345-6353	4.1	20
91	Immunologic evaluation of 10 different adjuvants for use in vaccines for chickens against highly pathogenic avian influenza virus. *Vaccine*, **2017**, 35, 3401-3408	4.1	25
90	THE PATHOGENESIS OF CLADE 2.3.4.4 H5 HIGHLY PATHOGENIC AVIAN INFLUENZA VIRUSES IN RUDDY DUCK (OXYURA JAMAICENSIS) AND LESSER SCAUP (AYTHYA AFFINIS). *Journal of Wildlife Diseases*, **2017**, 53, 832-842	1.3	15
89	Thermal Inactivation of avian influenza virus in poultry litter as a method to decontaminate poultry houses. *Preventive Veterinary Medicine*, **2017**, 145, 73-77	3.1	7
88	Pathobiology of Clade 2.3.4.4 H5Nx High-Pathogenicity Avian Influenza Virus Infections in Minor Gallinaceous Poultry Supports Early Backyard Flock Introductions in the Western United States in 2014-2015. *Journal of Virology*, **2017**, 91,	6.6	21
87	The pathogenesis of H7N8 low and highly pathogenic avian influenza viruses from the United States 2016 outbreak in chickens, turkeys and mallards. *PLoS ONE*, **2017**, 12, e0177265	3.7	31
86	Pathogenicity and Transmission of H5 and H7 Highly Pathogenic Avian Influenza Viruses in Mallards. *Journal of Virology*, **2016**, 90, 9967-9982	6.6	73
85	Isolation and Genetic Characterization of Avian Influenza Viruses Isolated from Wild Birds in the Azov-Black Sea Region of Ukraine (2001-2012). *Avian Diseases*, **2016**, 60, 365-77	1.6	8
84	Changes in adaptation of H5N2 highly pathogenic avian influenza H5 clade 2.3.4.4 viruses in chickens and mallards. *Virology*, **2016**, 499, 52-64	3.6	42
83	Diagnostics and surveillance methods **2016**, 31-44		1

82	Weak support for disappearance and restricted emergence/persistence of highly pathogenic influenza A in North American waterfowl. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E6551-E6552	11.5	3
81	H5N2 Highly Pathogenic Avian Influenza Viruses from the US 2014-2015 outbreak have an unusually long pre-clinical period in turkeys. *BMC Veterinary Research*, **2016**, 12, 260	2.7	38
80	Limited Antigenic Diversity in Contemporary H7 Avian-Origin Influenza A Viruses from North America. *Scientific Reports*, **2016**, 6, 20688	4.9	17
79	Antigenic Cartography of H9 Avian Influenza Virus and Its Application to Vaccine Selection. *Avian Diseases*, **2016**, 60, 218-25	1.6	8
78	Successes and Short Comings in Four Years of an International External Quality Assurance Program for Animal Influenza Surveillance. *PLoS ONE*, **2016**, 11, e0164261	3.7	3
77	Age is not a determinant factor in susceptibility of broilers to H5N2 clade 2.3.4.4 high pathogenicity avian influenza virus. *Veterinary Research*, **2016**, 47, 116	3.8	17
76	Lack of chicken adaptation of newly emergent Eurasian H5N8 and reassortant H5N2 high pathogenicity avian influenza viruses in the U.S. is consistent with restricted poultry outbreaks in the Pacific flyway during 2014-2015. *Virology*, **2016**, 494, 190-7	3.6	38
75	Experimental co-infections of domestic ducks with a virulent Newcastle disease virus and low or highly pathogenic avian influenza viruses. *Veterinary Microbiology*, **2015**, 177, 7-17	3.3	26
74	Antibody titer has positive predictive value for vaccine protection against challenge with natural antigenic-drift variants of H5N1 high-pathogenicity avian influenza viruses from Indonesia. *Journal of Virology*, **2015**, 89, 3746-62	6.6	59
73	Previous infection with virulent strains of Newcastle disease virus reduces highly pathogenic avian influenza virus replication, disease, and mortality in chickens. *Veterinary Research*, **2015**, 46, 97	3.8	18
72	Risk Reduction Modeling of High Pathogenicity Avian Influenza Virus Titers in Nonpasteurized Liquid Egg Obtained from Infected but Undetected Chicken Flocks. *Risk Analysis*, **2015**, 35, 2057-68	3.9	3
71	Impact of route of exposure and challenge dose on the pathogenesis of H7N9 low pathogenicity avian influenza virus in chickens. *Virology*, **2015**, 477, 72-81	3.6	26
70	Practical aspects of vaccination of poultry against avian influenza virus. *Veterinary Journal*, **2014**, 202, 408-15	2.5	23
69	Potency, efficacy, and antigenic mapping of H7 avian influenza virus vaccines against the 2012 H7N3 highly pathogenic avian influenza virus from Mexico. *Avian Diseases*, **2014**, 58, 359-66	1.6	9
68	Avian influenza virus RNA extraction. *Methods in Molecular Biology*, **2014**, 1161, 93-104	1.4	3
67	Variation in protection of four divergent avian influenza virus vaccine seed strains against eight clade 2.2.1 and 2.2.1.1. Egyptian H5N1 high pathogenicity variants in poultry. *Influenza and Other Respiratory Viruses*, **2014**, 8, 654-62	5.6	14
66	Virus interference between H7N2 low pathogenic avian influenza virus and lentogenic Newcastle disease virus in experimental co-infections in chickens and turkeys. *Veterinary Research*, **2014**, 45, 1	3.8	50
65	Role of poultry in the spread of novel H7N9 influenza virus in China. *Journal of Virology*, **2014**, 88, 5381-90	3.6	117

64	Avian influenza virus detection and quantitation by real-time RT-PCR. *Methods in Molecular Biology*, **2014**, 1161, 105-18	1.4	17
63	Influenza subtype identification with molecular methods. *Methods in Molecular Biology*, **2014**, 1161, 119-23	1.4	6
62	Avian influenza virus isolation, propagation, and titration in embryonated chicken eggs. *Methods in Molecular Biology*, **2014**, 1161, 125-40	1.4	32
61	Detection of influenza A antibodies in avian serum samples by ELISA. *Methods in Molecular Biology*, **2014**, 1161, 151-67	1.4	3
60	A brief introduction to avian influenza virus. *Methods in Molecular Biology*, **2014**, 1161, 61-8	1.4	7
59	Optimal specimen collection and transport methods for the detection of avian influenza virus and Newcastle disease virus. *BMC Veterinary Research*, **2013**, 9, 35	2.7	31
58	Vaccination of gallinaceous poultry for H5N1 highly pathogenic avian influenza: current questions and new technology. *Virus Research*, **2013**, 178, 121-32	6.4	27
57	Characterization of the 2012 highly pathogenic avian influenza H7N3 virus isolated from poultry in an outbreak in Mexico: pathobiology and vaccine protection. *Journal of Virology*, **2013**, 87, 9086-96	6.6	53
56	Evaluation of a commercial enzyme-linked immunosorbent assay for detection of antibodies against the H5 subtype of Influenza A virus in waterfowl. *Influenza and Other Respiratory Viruses*, **2013**, 7, 1237-40	5.6	5
55	Characterization of H5N1 highly pathogenic avian influenza viruses isolated from poultry in Pakistan 2006-2008. *Virus Genes*, **2012**, 44, 247-52	2.3	6
54	Avian influenza virus wild bird surveillance in the Azov and Black Sea regions of Ukraine (2010-2011). *Avian Diseases*, **2012**, 56, 1010-6	1.6	21
53	Susceptibility of avian species to North American H13 low pathogenic avian influenza viruses. *Avian Diseases*, **2012**, 56, 969-75	1.6	32
52	Differences in pathogenicity, response to vaccination, and innate immune responses in different types of ducks infected with a virulent H5N1 highly pathogenic avian influenza virus from Vietnam. *Avian Diseases*, **2012**, 56, 479-87	1.6	40
51	Viral diagnostics: will new technology save the day?. *Avian Pathology*, **2012**, 41, 251-8	2.4	5
50	Low pathogenicity avian influenza viruses infect chicken layers by different routes of inoculation. *Avian Diseases*, **2012**, 56, 276-81	1.6	23
49	Highly pathogenic avian influenza virus among wild birds in Mongolia. *PLoS ONE*, **2012**, 7, e44097	3.7	38
48	Comparison of pooling 11 or 5 oropharyngeal swabbings for detecting avian influenza virus by real-time reverse transcription-PCR in broiler chickens. *Avian Diseases*, **2012**, 56, 227-9	1.6	11
47	Pekin and Muscovy ducks respond differently to vaccination with a H5N1 highly pathogenic avian influenza (HPAI) commercial inactivated vaccine. *Vaccine*, **2011**, 29, 6549-57	4.1	58

46	H7 avian influenza virus vaccines protect chickens against challenge with antigenically diverse isolates. *Vaccine*, **2011**, 29, 7424-9	4.1	47
45	Real time reverse transcription (RRT)-polymerase chain reaction (PCR) methods for detection of pandemic (H1N1) 2009 influenza virus and European swine influenza A virus infections in pigs. *Influenza and Other Respiratory Viruses*, **2010**, 4, 277-93	5.6	79
44	The pathogenesis of H3N8 canine influenza virus in chickens, turkeys and ducks. *Influenza and Other Respiratory Viruses*, **2010**, 4, 353-6	5.6	2
43	Validation of a real-time reverse transcriptase-PCR assay for the detection of H7 avian influenza virus. *Avian Diseases*, **2010**, 54, 639-43	1.6	2
42	Susceptibility of turkeys to pandemic-H1N1 virus by reproductive tract insemination. *Virology Journal*, **2010**, 7, 27	6.1	40
41	The pathogenesis of low pathogenicity H7 avian influenza viruses in chickens, ducks and turkeys. *Virology Journal*, **2010**, 7, 331	6.1	72
40	Characterization and efficacy determination of commercially available Central American H5N2 avian influenza vaccines for poultry. *Vaccine*, **2010**, 28, 4609-15	4.1	15
39	Biologic characterization of chicken-derived H6N2 low pathogenic avian influenza viruses in chickens and ducks. *Avian Diseases*, **2010**, 54, 120-5	1.6	18
38	Astrovirus, reovirus, and rotavirus concomitant infection causes decreased weight gain in broad-breasted white poults. *Avian Diseases*, **2010**, 54, 16-21	1.6	39
37	Susceptibility of poultry to pandemic (H1N1) 2009 Virus. *Emerging Infectious Diseases*, **2009**, 15, 2061-3	10.2	30
36	An evaluation of avian influenza diagnostic methods with domestic duck specimens. *Avian Diseases*, **2009**, 53, 276-80	1.6	35
35	Removal of real-time reverse transcription polymerase chain reaction (RT-PCR) inhibitors associated with cloacal swab samples and tissues for improved diagnosis of Avian influenza virus by RT-PCR. *Journal of Veterinary Diagnostic Investigation*, **2009**, 21, 771-8	1.5	100
34	Characterization of low pathogenicity avian influenza viruses isolated from wild birds in Mongolia 2005 through 2007. *Virology Journal*, **2009**, 6, 190	6.1	20
33	Biologic characterization of H4, H6, and H9 type low pathogenicity avian influenza viruses from wild birds in chickens and turkeys. *Avian Diseases*, **2009**, 53, 552-62	1.6	31
32	Turkey origin reovirus-induced immune dysfunction in specific pathogen free and commercial turkey poults. *Avian Diseases*, **2008**, 52, 387-91	1.6	12
31	Detection and identification of the H5 hemagglutinin subtype by real-time RT-PCR. *Methods in Molecular Biology*, **2008**, 436, 27-33	1.4	5
30	A combination in-ovo vaccine for avian influenza virus and Newcastle disease virus. *Vaccine*, **2008**, 26, 522-31	4.1	42
29	Enteric viruses detected by molecular methods in commercial chicken and turkey flocks in the United States between 2005 and 2006. *Avian Diseases*, **2008**, 52, 235-44	1.6	126

28	NP, PB1, and PB2 viral genes contribute to altered replication of H5N1 avian influenza viruses in chickens. *Journal of Virology*, **2008**, 82, 4544-53	6.6	63
27	Pathogenesis of type 2 turkey astroviruses with variant capsid genes in 2-day-old specific pathogen free poults. *Avian Pathology*, **2008**, 37, 193-201	2.4	29
26	Detection of H5N1 high-pathogenicity avian influenza virus in meat and tracheal samples from experimentally infected chickens. *Avian Diseases*, **2008**, 52, 40-8	1.6	44
25	Analytical validation of a real-time reverse transcription polymerase chain reaction test for Pan-American lineage H7 subtype Avian influenza viruses. *Journal of Veterinary Diagnostic Investigation*, **2008**, 20, 612-6	1.5	31
24	A brief introduction to the avian influenza virus. *Methods in Molecular Biology*, **2008**, 436, 1-6	1.4	36
23	Avian influenza virus RNA extraction from tissue and swab material. *Methods in Molecular Biology*, **2008**, 436, 13-8	1.4	16
22	Type A influenza virus detection and quantitation by real-time RT-PCR. *Methods in Molecular Biology*, **2008**, 436, 19-26	1.4	71
21	Movements of birds and avian influenza from Asia into Alaska. *Emerging Infectious Diseases*, **2007**, 13, 547-52	10.2	86
20	Sequence and phylogenetic analysis of the S1 genome segment of turkey-origin reoviruses. *Virus Genes*, **2007**, 35, 235-42	2.3	33
19	Periodic monitoring of commercial turkeys for enteric viruses indicates continuous presence of astrovirus and rotavirus on the farms. *Avian Diseases*, **2007**, 51, 674-80	1.6	83
18	Characterization of low-pathogenicity H5N1 avian influenza viruses from North America. *Journal of Virology*, **2007**, 81, 11612-9	6.6	49
17	A multiplex RT-PCR test for the differential identification of turkey astrovirus type 1, turkey astrovirus type 2, chicken astrovirus, avian nephritis virus, and avian rotavirus. *Avian Diseases*, **2007**, 51, 681-4	1.6	83
16	Inactivated North American and European H5N2 avian influenza virus vaccines protect chickens from Asian H5N1 high pathogenicity avian influenza virus. *Avian Pathology*, **2006**, 35, 141-6	2.4	84
15	Molecular characterization and typing of chicken and turkey astroviruses circulating in the United States: implications for diagnostics. *Avian Diseases*, **2006**, 50, 397-404	1.6	92
14	H7N3 avian influenza virus found in a South American wild duck is related to the Chilean 2002 poultry outbreak, contains genes from equine and North American wild bird lineages, and is adapted to domestic turkeys. *Journal of Virology*, **2006**, 80, 7760-4	6.6	55
13	Development of an internal positive control for rapid diagnosis of avian influenza virus infections by real-time reverse transcription-PCR with lyophilized reagents. *Journal of Clinical Microbiology*, **2006**, 44, 3065-73	9.7	72
12	Phylogenetic analysis of Turkey astroviruses reveals evidence of recombination. *Virus Genes*, **2006**, 32, 187-92	2.3	52
11	Multiplex real-time reverse transcription-polymerase chain reaction for the detection of three viruses associated with poult enteritis complex: turkey astrovirus, turkey coronavirus, and turkey reovirus. *Avian Diseases*, **2005**, 49, 86-91	1.6	46

10	Phylogenetic analyses of type A influenza genes in natural reservoir species in North America reveals genetic variation. *Virus Research*, **2005**, 114, 89-100	6.4	92
9	The pathogenesis of turkey origin reoviruses in turkeys and chickens. *Avian Pathology*, **2005**, 34, 291-6	2.4	33
8	Use of a novel virus inactivation method for a multicenter avian influenza real-time reverse transcriptase-polymerase chain reaction proficiency study. *Journal of Veterinary Diagnostic Investigation*, **2005**, 17, 76-80	1.5	22
7	Characterization of highly pathogenic H5N1 avian influenza A viruses isolated from South Korea. *Journal of Virology*, **2005**, 79, 3692-702	6.6	165
6	Recombination resulting in virulence shift in avian influenza outbreak, Chile. *Emerging Infectious Diseases*, **2004**, 10, 693-9	10.2	237
5	Characterization of recent H5 subtype avian influenza viruses from US poultry. *Avian Pathology*, **2004**, 33, 288-97	2.4	42
4	Development of a real-time reverse-transcription PCR for detection of newcastle disease virus RNA in clinical samples. *Journal of Clinical Microbiology*, **2004**, 42, 329-38	9.7	320
3	Sequence analysis of recent H7 avian influenza viruses associated with three different outbreaks in commercial poultry in the United States. *Journal of Virology*, **2003**, 77, 13399-402	6.6	81
2	Development of a real-time reverse transcriptase PCR assay for type A influenza virus and the avian H5 and H7 hemagglutinin subtypes. *Journal of Clinical Microbiology*, **2002**, 40, 3256-60	9.7	1133
1	Avian Influenza Diagnostics and Surveillance Methods299-308		12