

# David L Suarez

## List of Publications by Citations

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240  
papers

11,334  
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59  
h-index

98  
g-index

258  
ext. papers

12,533  
ext. citations

3.7  
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6.19  
L-index

#	Paper	IF	Citations
240	Development of a real-time reverse transcriptase PCR assay for type A influenza virus and the avian H5 and H7 hemagglutinin subtypes. <i>Journal of Clinical Microbiology</i> , <b>2002</b> , 40, 3256-60	9.7	1133
239	Development of a real-time reverse-transcription PCR for detection of newcastle disease virus RNA in clinical samples. <i>Journal of Clinical Microbiology</i> , <b>2004</b> , 42, 329-38	9.7	320
238	Effect of vaccine use in the evolution of Mexican lineage H5N2 avian influenza virus. <i>Journal of Virology</i> , <b>2004</b> , 78, 8372-81	6.6	300
237	Comparisons of highly virulent H5N1 influenza A viruses isolated from humans and chickens from Hong Kong. <i>Journal of Virology</i> , <b>1998</b> , 72, 6678-88	6.6	278
236	Highly pathogenic avian influenza. <i>OIE Revue Scientifique Et Technique</i> , <b>2000</b> , 19, 463-82	2.5	270
235	Influenza research database: an integrated bioinformatics resource for influenza research and surveillance. <i>Influenza and Other Respiratory Viruses</i> , <b>2012</b> , 6, 404-16	5.6	239
234	Recombination resulting in virulence shift in avian influenza outbreak, Chile. <i>Emerging Infectious Diseases</i> , <b>2004</b> , 10, 693-9	10.2	237
233	Susceptibility of North American ducks and gulls to H5N1 highly pathogenic avian influenza viruses. <i>Emerging Infectious Diseases</i> , <b>2006</b> , 12, 1663-70	10.2	224
232	Antigenic differences among Newcastle disease virus strains of different genotypes used in vaccine formulation affect viral shedding after a virulent challenge. <i>Vaccine</i> , <b>2007</b> , 25, 7238-46	4.1	179
231	Phylogenetic diversity among low-virulence newcastle disease viruses from waterfowl and shorebirds and comparison of genotype distributions to those of poultry-origin isolates. <i>Journal of Virology</i> , <b>2007</b> , 81, 12641-53	6.6	177
230	Characterization of highly pathogenic H5N1 avian influenza A viruses isolated from South Korea. <i>Journal of Virology</i> , <b>2005</b> , 79, 3692-702	6.6	165
229	Immunology of avian influenza virus: a review. <i>Developmental and Comparative Immunology</i> , <b>2000</b> , 24, 269-83	3.2	162
228	Development of real-time RT-PCR for the detection of avian influenza virus. <i>Avian Diseases</i> , <b>2003</b> , 47, 1079-82	1.6	160
227	Evolution of avian influenza viruses. <i>Veterinary Microbiology</i> , <b>2000</b> , 74, 15-27	3.3	146
226	Characterization of a highly pathogenic H5N1 avian influenza A virus isolated from duck meat. <i>Journal of Virology</i> , <b>2002</b> , 76, 6344-55	6.6	141
225	Continued circulation in China of highly pathogenic avian influenza viruses encoding the hemagglutinin gene associated with the 1997 H5N1 outbreak in poultry and humans. <i>Journal of Virology</i> , <b>2000</b> , 74, 6592-9	6.6	136
224	Application of real-time RT-PCR for the quantitation and competitive replication study of H5 and H7 subtype avian influenza virus. <i>Journal of Virological Methods</i> , <b>2004</b> , 119, 151-8	2.6	133

223	Protection against diverse highly pathogenic H5 avian influenza viruses in chickens immunized with a recombinant fowlpox vaccine containing an H5 avian influenza hemagglutinin gene insert. <i>Vaccine</i> , <b>2000</b> , 18, 1088-95	4.1	128
222	Updated unified phylogenetic classification system and revised nomenclature for Newcastle disease virus. <i>Infection, Genetics and Evolution</i> , <b>2019</b> , 74, 103917	4.5	119
221	Role of poultry in the spread of novel H7N9 influenza virus in China. <i>Journal of Virology</i> , <b>2014</b> , 88, 5381-906	9.0	117
220	Comparison of viral shedding following vaccination with inactivated and live Newcastle disease vaccines formulated with wild-type and recombinant viruses. <i>Avian Diseases</i> , <b>2009</b> , 53, 39-49	1.6	111
219	Characterization of class I Newcastle disease virus isolates from Hong Kong live bird markets and detection using real-time reverse transcription-PCR. <i>Journal of Clinical Microbiology</i> , <b>2007</b> , 45, 1310-4	9.7	108
218	Distinct pathogenesis of hong kong-origin H5N1 viruses in mice compared to that of other highly pathogenic H5 avian influenza viruses. <i>Journal of Virology</i> , <b>2000</b> , 74, 1443-50	6.6	108
217	Virulent Newcastle disease virus elicits a strong innate immune response in chickens. <i>Journal of General Virology</i> , <b>2011</b> , 92, 931-9	4.9	106
216	Phylogenetic analysis of H7 avian influenza viruses isolated from the live bird markets of the Northeast United States. <i>Journal of Virology</i> , <b>1999</b> , 73, 3567-73	6.6	105
215	Domestic pigs have low susceptibility to H5N1 highly pathogenic avian influenza viruses. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000102	7.6	102
214	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. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2009</b> , 21, 771-8	1.5	100
213	Influenza virus (A/HK/156/97) hemagglutinin expressed by an alphavirus replicon system protects chickens against lethal infection with Hong Kong-origin H5N1 viruses. <i>Virology</i> , <b>2000</b> , 278, 55-9	3.6	99
212	Age at infection affects the pathogenicity of Asian highly pathogenic avian influenza H5N1 viruses in ducks. <i>Virus Research</i> , <b>2007</b> , 130, 151-61	6.4	97
211	Phylogenetic analyses of type A influenza genes in natural reservoir species in North America reveals genetic variation. <i>Virus Research</i> , <b>2005</b> , 114, 89-100	6.4	92
210	Development and use of fowlpox vectored vaccines for avian influenza. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1081, 193-201	6.5	87
209	Movements of birds and avian influenza from Asia into Alaska. <i>Emerging Infectious Diseases</i> , <b>2007</b> , 13, 547-52	10.2	86
208	Vaccines protect chickens against H5 highly pathogenic avian influenza in the face of genetic changes in field viruses over multiple years. <i>Veterinary Microbiology</i> , <b>2000</b> , 74, 165-72	3.3	86
207	Multiple alignment comparison of the non-structural genes of influenza A viruses. <i>Virus Research</i> , <b>1998</b> , 54, 59-69	6.4	85
206	Diagnostic approach for differentiating infected from vaccinated poultry on the basis of antibodies to NS1, the nonstructural protein of influenza A virus. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 676-83	9.7	83

205	Generation of reassortant influenza vaccines by reverse genetics that allows utilization of a DIVA (Differentiating Infected from Vaccinated Animals) strategy for the control of avian influenza. <i>Vaccine</i> , <b>2004</b> , 22, 3175-81	4.1	82
204	H5N2 avian influenza outbreak in Texas in 2004: the first highly pathogenic strain in the United States in 20 years?. <i>Journal of Virology</i> , <b>2005</b> , 79, 11412-21	6.6	82
203	Sequence analysis of recent H7 avian influenza viruses associated with three different outbreaks in commercial poultry in the United States. <i>Journal of Virology</i> , <b>2003</b> , 77, 13399-402	6.6	81
202	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. <i>Influenza and Other Respiratory Viruses</i> , <b>2010</b> , 4, 277-93	5.6	79
201	Detection of avian influenza virus using an interferometric biosensor. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 1193-9	4.4	79
200	Overview of avian influenza DIVA test strategies. <i>Biologicals</i> , <b>2005</b> , 33, 221-6	1.8	79
199	Amelioration of influenza virus pathogenesis in chickens attributed to the enhanced interferon-inducing capacity of a virus with a truncated NS1 gene. <i>Journal of Virology</i> , <b>2007</b> , 81, 1838-47	6.6	76
198	Sequence Analysis of the Hemagglutinin Gene of H9N2 Korean Avian Influenza Viruses and Assessment of the Pathogenic Potential of Isolate MS96. <i>Avian Diseases</i> , <b>2000</b> , 44, 527	1.6	75
197	Pathogenicity and Transmission of H5 and H7 Highly Pathogenic Avian Influenza Viruses in Mallards. <i>Journal of Virology</i> , <b>2016</b> , 90, 9967-9982	6.6	73
196	Development of an internal positive control for rapid diagnosis of avian influenza virus infections by real-time reverse transcription-PCR with lyophilized reagents. <i>Journal of Clinical Microbiology</i> , <b>2006</b> , 44, 3065-73	9.7	72
195	Protective avian influenza in ovo vaccination with non-replicating human adenovirus vector. <i>Vaccine</i> , <b>2007</b> , 25, 2886-91	4.1	71
194	Type A influenza virus detection and quantitation by real-time RT-PCR. <i>Methods in Molecular Biology</i> , <b>2008</b> , 436, 19-26	1.4	71
193	Detection of Mycobacterium bovis in formalin-fixed, paraffin-embedded tissues of cattle and elk by PCR amplification of an IS6110 sequence specific for Mycobacterium tuberculosis complex organisms. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1997</b> , 9, 244-9	1.5	70
192	Recombinant paramyxovirus type 1-avian influenza-H7 virus as a vaccine for protection of chickens against influenza and Newcastle disease. <i>Avian Diseases</i> , <b>2003</b> , 47, 1047-50	1.6	70
191	Isolation from turkey breeder hens of a reassortant H1N2 influenza virus with swine, human, and avian lineage genes. <i>Avian Diseases</i> , <b>2002</b> , 46, 111-21	1.6	67
190	Isolation and characterization of H3N2 influenza A virus from turkeys. <i>Avian Diseases</i> , <b>2005</b> , 49, 207-13	1.6	66
189	Evolution of H5 subtype avian influenza A viruses in North America. <i>Virus Research</i> , <b>1997</b> , 51, 115-24	6.4	63
188	NP, PB1, and PB2 viral genes contribute to altered replication of H5N1 avian influenza viruses in chickens. <i>Journal of Virology</i> , <b>2008</b> , 82, 4544-53	6.6	63

187	Review of rapid molecular diagnostic tools for avian influenza virus. <i>Avian Diseases</i> , <b>2007</b> , 51, 201-8	1.6	63
186	Low-pathogenicity avian influenza virus (H6N2) in chickens in California, 2000-02. <i>Avian Diseases</i> , <b>2003</b> , 47, 872-81	1.6	63
185	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. <i>Journal of Virology</i> , <b>2015</b> , 89, 3746-62	6.6	59
184	Use of Sequence-Independent, Single-Primer-Amplification (SISPA) for rapid detection, identification, and characterization of avian RNA viruses. <i>Virology</i> , <b>2017</b> , 509, 159-166	3.6	59
183	Influenza neuraminidase antibodies provide partial protection for chickens against high pathogenic avian influenza infection. <i>Vaccine</i> , <b>2007</b> , 25, 3763-72	4.1	59
182	Structural features of the avian influenza virus hemagglutinin that influence virulence. <i>Veterinary Microbiology</i> , <b>2000</b> , 74, 77-86	3.3	59
181	Pekin and Muscovy ducks respond differently to vaccination with a H5N1 highly pathogenic avian influenza (HPAI) commercial inactivated vaccine. <i>Vaccine</i> , <b>2011</b> , 29, 6549-57	4.1	58
180	Characterization of influenza virus variants with different sizes of the non-structural (NS) genes and their potential as a live influenza vaccine in poultry. <i>Vaccine</i> , <b>2008</b> , 26, 3580-6	4.1	58
179	Detection of a broad range of class I and II Newcastle disease viruses using a multiplex real-time reverse transcription polymerase chain reaction assay. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2008</b> , 20, 414-25	1.5	58
178	Isolation and characterization of new wild-type isolates of bovine lentivirus. <i>Journal of Virology</i> , <b>1993</b> , 67, 5051-5	6.6	55
177	Characterization of the 2012 highly pathogenic avian influenza H7N3 virus isolated from poultry in an outbreak in Mexico: pathobiology and vaccine protection. <i>Journal of Virology</i> , <b>2013</b> , 87, 9086-96	6.6	53
176	Avian influenza virus: prospects for prevention and control by vaccination. <i>Animal Health Research Reviews</i> , <b>2005</b> , 6, 1-15	2.1	53
175	Epidemiologic and surveillance studies on avian influenza in live-bird markets in New York and New Jersey, 2001. <i>Avian Diseases</i> , <b>2003</b> , 47, 996-1001	1.6	52
174	Phylogenetic analysis of hemagglutinin and neuraminidase genes of highly pathogenic avian influenza H5N1 Egyptian strains isolated from 2006 to 2008 indicates heterogeneity with multiple distinct sublineages. <i>Avian Diseases</i> , <b>2010</b> , 54, 345-9	1.6	50
173	Development and application of reference antisera against 15 hemagglutinin subtypes of influenza virus by DNA vaccination of chickens. <i>Vaccine Journal</i> , <b>2006</b> , 13, 395-402		49
172	Characterization of low-pathogenicity H5N1 avian influenza viruses from North America. <i>Journal of Virology</i> , <b>2007</b> , 81, 11612-9	6.6	49
171	Real-time reverse transcription-polymerase chain reaction assays for the detection and differentiation of North American swine influenza viruses. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2004</b> , 16, 367-73	1.5	48
170	The Effect of Eukaryotic Expression Vectors and Adjuvants on DNA Vaccines in Chickens Using an Avian Influenza Model. <i>Avian Diseases</i> , <b>2000</b> , 44, 861	1.6	48

169	Influenza neuraminidase as a vaccine antigen. <i>Current Topics in Microbiology and Immunology</i> , <b>2009</b> , 333, 227-41	3.3	47
168	Improving pandemic influenza risk assessment. <i>ELife</i> , <b>2014</b> , 3, e03883	8.9	45
167	Evaluation of chicken-origin (DF-1) and quail-origin (QT-6) fibroblast cell lines for replication of avian influenza viruses. <i>Journal of Virological Methods</i> , <b>2008</b> , 153, 22-8	2.6	45
166	Detection of H5N1 high-pathogenicity avian influenza virus in meat and tracheal samples from experimentally infected chickens. <i>Avian Diseases</i> , <b>2008</b> , 52, 40-8	1.6	44
165	The effect of various disinfectants on detection of avian influenza virus by real time RT-PCR. <i>Avian Diseases</i> , <b>2003</b> , 47, 1091-5	1.6	43
164	Changes in adaptation of H5N2 highly pathogenic avian influenza H5 clade 2.3.4.4 viruses in chickens and mallards. <i>Virology</i> , <b>2016</b> , 499, 52-64	3.6	42
163	Characterization of recent H5 subtype avian influenza viruses from US poultry. <i>Avian Pathology</i> , <b>2004</b> , 33, 288-97	2.4	42
162	Lack of Susceptibility to SARS-CoV-2 and MERS-CoV in Poultry. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 3074-3076	10.2	42
161	The Multifaceted Zoonotic Risk of H9N2 Avian Influenza. <i>Veterinary Sciences</i> , <b>2018</b> , 5,	2.4	42
160	Sequence analysis of the hemagglutinin gene of H9N2 Korean avian influenza viruses and assessment of the pathogenic potential of isolate MS96. <i>Avian Diseases</i> , <b>2000</b> , 44, 527-35	1.6	42
159	Pathogenic potential of North American H7N2 avian influenza virus: a mutagenesis study using reverse genetics. <i>Virology</i> , <b>2006</b> , 353, 388-95	3.6	41
158	Effect of probe-site mismatches on detection of virulent Newcastle disease viruses using a fusion-gene real-time reverse transcription polymerase chain reaction test. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2006</b> , 18, 519-28	1.5	41
157	Update on molecular epidemiology of H1, H5, and H7 influenza virus infections in poultry in North America. <i>Avian Diseases</i> , <b>2003</b> , 47, 888-97	1.6	41
156	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. <i>Avian Diseases</i> , <b>2012</b> , 56, 479-87	1.6	40
155	Avian influenza: our current understanding. <i>Animal Health Research Reviews</i> , <b>2010</b> , 11, 19-33	2.1	40
154	Susceptibility of turkeys to pandemic-H1N1 virus by reproductive tract insemination. <i>Virology Journal</i> , <b>2010</b> , 7, 27	6.1	40
153	Phylogenetic and biological characterization of highly pathogenic H5N1 avian influenza viruses (Vietnam 2005) in chickens and ducks. <i>Virus Research</i> , <b>2009</b> , 142, 108-20	6.4	40
152	Protection of chickens against avian influenza with non-replicating adenovirus-vectored vaccine. <i>Vaccine</i> , <b>2008</b> , 26, 2640-6	4.1	40

151	Efficacy of commercial vaccines in protecting chickens and ducks against H5N1 highly pathogenic avian influenza viruses from Vietnam. <i>Avian Diseases</i> , <b>2010</b> , 54, 262-71	1.6	39
150	H5N2 Highly Pathogenic Avian Influenza Viruses from the US 2014-2015 outbreak have an unusually long pre-clinical period in turkeys. <i>BMC Veterinary Research</i> , <b>2016</b> , 12, 260	2.7	38
149	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. <i>Virology</i> , <b>2016</b> , 494, 190-7	3.6	38
148	Association of Mx1 Asn631 variant alleles with reductions in morbidity, early mortality, viral shedding, and cytokine responses in chickens infected with a highly pathogenic avian influenza virus. <i>Immunogenetics</i> , <b>2011</b> , 63, 363-75	3.2	36
147	An evaluation of avian influenza diagnostic methods with domestic duck specimens. <i>Avian Diseases</i> , <b>2009</b> , 53, 276-80	1.6	35
146	Poultry vaccination directed evolution of H9N2 low pathogenicity avian influenza viruses in Korea. <i>Virology</i> , <b>2016</b> , 488, 225-31	3.6	34
145	DIVA vaccination strategies for avian influenza virus. <i>Avian Diseases</i> , <b>2012</b> , 56, 836-44	1.6	34
144	Detection of <i>Arcobacter</i> species in gastric samples from swine. <i>Veterinary Microbiology</i> , <b>1997</b> , 57, 325-36	3.3	34
143	Recombinant viral-vectored vaccines for the control of avian influenza in poultry. <i>Veterinary Microbiology</i> , <b>2017</b> , 206, 144-151	3.3	33
142	Development and validation of a real-time Taqman polymerase chain reaction assay for the detection of <i>Mycoplasma gallisepticum</i> in naturally infected birds. <i>Avian Diseases</i> , <b>2006</b> , 50, 537-44	1.6	33
141	Identification of hypervariable and conserved regions in the surface envelope gene in the bovine lentivirus. <i>Virology</i> , <b>1995</b> , 212, 728-33	3.6	33
140	Suboptimal protection against H5N1 highly pathogenic avian influenza viruses from Vietnam in ducks vaccinated with commercial poultry vaccines. <i>Vaccine</i> , <b>2013</b> , 31, 4953-60	4.1	31
139	Passive antibody transfer in chickens to model maternal antibody after avian influenza vaccination. <i>Veterinary Immunology and Immunopathology</i> , <b>2013</b> , 152, 341-7	2	31
138	Biologic characterization of H4, H6, and H9 type low pathogenicity avian influenza viruses from wild birds in chickens and turkeys. <i>Avian Diseases</i> , <b>2009</b> , 53, 552-62	1.6	31
137	Analytical validation of a real-time reverse transcription polymerase chain reaction test for Pan-American lineage H7 subtype Avian influenza viruses. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2008</b> , 20, 612-6	1.5	31
136	Improved early and long-term detection of bovine lentivirus by a nested polymerase chain reaction test in experimentally infected calves. <i>American Journal of Veterinary Research</i> , <b>1995</b> , 56, 579-86	1.1	31
135	Susceptibility of poultry to pandemic (H1N1) 2009 Virus. <i>Emerging Infectious Diseases</i> , <b>2009</b> , 15, 2061-3	10.2	30
134	Molecular and biological characteristics of H5 and H7 avian influenza viruses in live-bird markets of the northeastern United States, 1994-2001. <i>Avian Diseases</i> , <b>2003</b> , 47, 898-904	1.6	30

133	Evolution of highly pathogenic avian influenza H5N1 virus in natural ecosystems of northern Eurasia (2005-08). <i>Avian Diseases</i> , <b>2010</b> , 54, 483-95	1.6	29
132	Pathobiological characterization of low-pathogenicity H5 avian influenza viruses of diverse origins in chickens, ducks and turkeys. <i>Archives of Virology</i> , <b>2010</b> , 155, 1439-51	2.6	29
131	Genetic and antigenic relatedness of H3 subtype influenza A viruses isolated from avian and mammalian species. <i>Vaccine</i> , <b>2008</b> , 26, 966-77	4.1	29
130	Development of multiplex real-time RT-PCR as a diagnostic tool for avian influenza. <i>Avian Diseases</i> , <b>2003</b> , 47, 1087-90	1.6	29
129	Sequence Analysis of Related Low-Pathogenic and Highly Pathogenic H5N2 Avian Influenza Isolates from United States Live Bird Markets and Poultry Farms from 1983 to 1989. <i>Avian Diseases</i> , <b>2000</b> , 44, 356	1.6	29
128	Vaccination of domestic ducks against H5N1 HPAI: a review. <i>Virus Research</i> , <b>2013</b> , 178, 21-34	6.4	28
127	Characteristics of pigeon paramyxovirus serotype-1 isolates (PPMV-1) from the Russian Federation from 2001 to 2009. <i>Avian Diseases</i> , <b>2013</b> , 57, 2-7	1.6	28
126	Reassortment of Influenza A Viruses in Wild Birds in Alaska before H5 Clade 2.3.4.4 Outbreaks. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 654-657	10.2	27
125	Pathogenicity of two Egyptian H5N1 highly pathogenic avian influenza viruses in domestic ducks. <i>Archives of Virology</i> , <b>2011</b> , 156, 37-51	2.6	27
124	Colibacillosis <b>2020</b> , 770-830		27
123	Impact of route of exposure and challenge dose on the pathogenesis of H7N9 low pathogenicity avian influenza virus in chickens. <i>Virology</i> , <b>2015</b> , 477, 72-81	3.6	26
122	Protection of White Leghorn chickens by U.S. emergency H5 vaccination against clade 2.3.4.4 H5N2 high pathogenicity avian influenza virus. <i>Vaccine</i> , <b>2017</b> , 35, 6336-6344	4.1	25
121	Pathobiology of triple reassortant H3N2 influenza viruses in breeder turkeys and its potential implication for vaccine studies in turkeys. <i>Vaccine</i> , <b>2009</b> , 27, 819-24	4.1	24
120	Domestic poultry and SARS coronavirus, southern China. <i>Emerging Infectious Diseases</i> , <b>2004</b> , 10, 914-6	10.2	24
119	Avian influenza A virus subtype H5N2 in a red-lored Amazon parrot. <i>Journal of the American Veterinary Medical Association</i> , <b>2006</b> , 228, 236-41	1	23
118	Evaluation of a high-pathogenicity H5N1 avian influenza A virus isolated from duck meat. <i>Avian Diseases</i> , <b>2003</b> , 47, 951-5	1.6	23
117	Virulent Newcastle disease viruses from chicken origin are more pathogenic and transmissible to chickens than viruses normally maintained in wild birds. <i>Veterinary Microbiology</i> , <b>2019</b> , 235, 25-34	3.3	22
116	Infectious Bronchitis <b>2020</b> , 167-188		22



115	Rapid, multiplexed, whole genome and plasmid sequencing of foodborne pathogens using long-read nanopore technology. <i>Scientific Reports</i> , <b>2019</b> , 9, 16350	4.9	22
114	Differentiation of infected and vaccinated animals (DIVA) using the NS1 protein of avian influenza virus. <i>Avian Diseases</i> , <b>2010</b> , 54, 278-86	1.6	22
113	Use of a novel virus inactivation method for a multicenter avian influenza real-time reverse transcriptase-polymerase chain reaction proficiency study. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2005</b> , 17, 76-80	1.5	22
112	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. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	21
111	International Biological Engagement Programs Facilitate Newcastle Disease Epidemiological Studies. <i>Frontiers in Public Health</i> , <b>2015</b> , 3, 235	6	21
110	Vaccination and acute phase mediator production in chickens challenged with low pathogenic avian influenza virus; novel markers for vaccine efficacy?. <i>Vaccine</i> , <b>2012</b> , 30, 3097-105	4.1	21
109	Characteristics of diagnostic tests used in the 2002 low-pathogenicity avian influenza H7N2 outbreak in Virginia. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2007</b> , 19, 341-8	1.5	21
108	Isolation and genetic characterization of avian influenza viruses and a Newcastle disease virus from wild birds in Barbados: 2003-2004. <i>Avian Diseases</i> , <b>2007</b> , 51, 781-7	1.6	21
107	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. <i>Vaccine</i> , <b>2017</b> , 35, 6345-6353	4.1	20
106	Characterization of low pathogenicity avian influenza viruses isolated from wild birds in Mongolia 2005 through 2007. <i>Virology Journal</i> , <b>2009</b> , 6, 190	6.1	20
105	Characterization of a Feline Influenza A(H7N2) Virus. <i>Emerging Infectious Diseases</i> , <b>2018</b> , 24, 75-86	10.2	19
104	Pathogenicity and transmission of virulent Newcastle disease virus from the 2018-2019 California outbreak and related viruses in young and adult chickens. <i>Virology</i> , <b>2019</b> , 531, 203-218	3.6	18
103	Previous infection with virulent strains of Newcastle disease virus reduces highly pathogenic avian influenza virus replication, disease, and mortality in chickens. <i>Veterinary Research</i> , <b>2015</b> , 46, 97	3.8	18
102	Biologic characterization of chicken-derived H6N2 low pathogenic avian influenza viruses in chickens and ducks. <i>Avian Diseases</i> , <b>2010</b> , 54, 120-5	1.6	18
101	Bovine lentivirus induces early transient B-cell proliferation in experimentally inoculated cattle and appears to be pantropic. <i>Journal of Virology</i> , <b>1997</b> , 71, 640-4	6.6	18
100	Genetic characterization and pathogenesis of the first H9N2 low pathogenic avian influenza viruses isolated from chickens in Kenyan live bird markets. <i>Infection, Genetics and Evolution</i> , <b>2020</b> , 78, 104074	4.5	18
99	Development and bench validation of real-time reverse transcription polymerase chain reaction protocols for rapid detection of the subtypes H6, H9, and H11 of avian influenza viruses in experimental samples. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>2007</b> , 19, 625-34	1.5	17
98	Pathogenicity and transmission studies of H5N2 parrot avian influenza virus of Mexican lineage in different poultry species. <i>Veterinary Microbiology</i> , <b>2008</b> , 129, 48-57	3.3	16

97	Avian influenza virus RNA extraction from tissue and swab material. <i>Methods in Molecular Biology</i> , <b>2008</b> , 436, 13-8	1.4	16
96	Salmonella Infections <b>2020</b> , 717-753		16
95	H9N2 low pathogenic avian influenza in Pakistan (2012-2015). <i>Veterinary Record Open</i> , <b>2016</b> , 3, e000171	1.4	16
94	Comparative efficacy of North American and antigenically matched reverse genetics derived H5N9 DIVA marker vaccines against highly pathogenic Asian H5N1 avian influenza viruses in chickens. <i>Vaccine</i> , <b>2009</b> , 27, 6247-60	4.1	15
93	Short- and long-term protective efficacy against clade 2.3.4.4 H5N2 highly pathogenic avian influenza virus following prime-boost vaccination in turkeys. <i>Vaccine</i> , <b>2017</b> , 35, 5637-5643	4.1	14
92	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. <i>Influenza and Other Respiratory Viruses</i> , <b>2014</b> , 8, 654-62	5.6	14
91	Avian influenza in ovo vaccination with replication defective recombinant adenovirus in chickens: vaccine potency, antibody persistence, and maternal antibody transfer. <i>Avian Diseases</i> , <b>2011</b> , 55, 285-92	1.6	14
90	Evaluation of Oxyanion Adsorption Mechanisms on Oxides Using FTIR Spectroscopy and Electrophoretic Mobility. <i>ACS Symposium Series</i> , <b>1999</b> , 136-178	0.4	14
89	Infectious Bursal Disease <b>2020</b> , 257-283		14
88	Rapid virulence prediction and identification of Newcastle disease virus genotypes using third-generation sequencing. <i>Virology Journal</i> , <b>2018</b> , 15, 179	6.1	13
87	Avian Influenza Diagnostics and Surveillance Methods 299-308		12
86	Development of hemagglutinin subtype-specific reference antisera by DNA vaccination of chickens. <i>Avian Diseases</i> , <b>2003</b> , 47, 1051-6	1.6	12
85	Avian Reovirus Infections <b>2020</b> , 382-400		12
84	Susceptibility of swine to H5 and H7 low pathogenic avian influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , <b>2016</b> , 10, 346-52	5.6	12
83	Size variation within the second hypervariable region of the surface envelope gene of the bovine lentivirus BIV in experimentally and naturally infected cattle. <i>Journal of Virology</i> , <b>1997</b> , 71, 2482-6	6.6	11
82	The effect of eukaryotic expression vectors and adjuvants on DNA vaccines in chickens using an avian influenza model. <i>Avian Diseases</i> , <b>2000</b> , 44, 861-8	1.6	11
81	Rapid evolution of Mexican H7N3 highly pathogenic avian influenza viruses in poultry. <i>PLoS ONE</i> , <b>2019</b> , 14, e0222457	3.7	10
80	Avian influenza mucosal vaccination in chickens with replication-defective recombinant adenovirus vaccine. <i>Avian Diseases</i> , <b>2011</b> , 55, 43-7	1.6	10

79	Phylogenetics and pathogenesis of early avian influenza viruses (H5N1), Nigeria. <i>Emerging Infectious Diseases</i> , <b>2008</b> , 14, 1753-5	10.2	10
78	Sequence analysis of related low-pathogenic and highly pathogenic H5N2 avian influenza isolates from United States live bird markets and poultry farms from 1983 to 1989. <i>Avian Diseases</i> , <b>2000</b> , 44, 356-64	1.6	10
77	Newcastle Disease, Other Avian Paramyxoviruses, and Avian Metapneumovirus Infections <b>2020</b> , 109-166		9
76	Influenza A virus <b>2016</b> , 1-30		9
75	Attenuation of highly pathogenic avian influenza A(H5N1) viruses in Indonesia following the reassortment and acquisition of genes from low pathogenicity avian influenza A virus progenitors. <i>Emerging Microbes and Infections</i> , <b>2018</b> , 7, 147	18.9	9
74	Potency, efficacy, and antigenic mapping of H7 avian influenza virus vaccines against the 2012 H7N3 highly pathogenic avian influenza virus from Mexico. <i>Avian Diseases</i> , <b>2014</b> , 58, 359-66	1.6	9
73	A heterologous neuraminidase subtype strategy for the differentiation of infected and vaccinated animals (DIVA) for avian influenza virus using an alternative neuraminidase inhibition test. <i>Avian Diseases</i> , <b>2010</b> , 54, 272-7	1.6	9
72	Presence of Newcastle disease viruses of sub-genotypes Vc and VIn in backyard chickens and in apparently healthy wild birds from Mexico in 2017. <i>Virus Genes</i> , <b>2019</b> , 55, 479-489	2.3	8
71	Infectious Laryngotracheitis <b>2020</b> , 189-209		8
70	Protection of commercial turkeys following inactivated or recombinant H5 vaccine application against the 2015U.S. H5N2 clade 2.3.4.4 highly pathogenic avian influenza virus. <i>Veterinary Immunology and Immunopathology</i> , <b>2017</b> , 191, 74-79	2	8
69	New approach to delist highly pathogenic avian influenza viruses from BSL3+ Select Agents to BSL2 non-select status for diagnostics and vaccines. <i>Avian Diseases</i> , <b>2010</b> , 54, 302-6	1.6	8
68	Haematological and lymphocyte subset analyses in sheep inoculated with bovine immunodeficiency-like virus. <i>Veterinary Research Communications</i> , <b>1994</b> , 18, 471-82	2.9	8
67	Prevalence of bovine immunodeficiency-like virus in bulls as determined by serology and proviral detection. <i>Canadian Journal of Veterinary Research</i> , <b>1998</b> , 62, 231-3		8
66	Internal Parasites <b>2020</b> , 1157-1191		8
65	Protection conferred by commercial NDV live attenuated and double recombinant HVT vaccines against virulent California 2018 Newcastle disease virus (NDV) in chickens. <i>Vaccine</i> , <b>2020</b> , 38, 5507-5515	4.1	7
64	Development and evaluation of an avian influenza, neuraminidase subtype 1, indirect enzyme-linked immunosorbent assay for poultry using the differentiation of infected from vaccinated animals control strategy. <i>Avian Diseases</i> , <b>2010</b> , 54, 613-21	1.6	7
63	Comparison of different PCR tests to detect bovine lentivirus in cell culture and experimentally and naturally infected cattle. <i>Journal of Veterinary Diagnostic Investigation</i> , <b>1997</b> , 9, 421-4	1.5	7
62	Influenza a Virus1-22		7

61	First Complete Genome Sequence of Currently Circulating Infectious Bronchitis Virus Strain DMV/1639 of the GI-17 Lineage. <i>Microbiology Resource Announcements</i> , <b>2019</b> , 8,	1.3	7
60	Reverse genetics of the avian influenza virus. <i>Methods in Molecular Biology</i> , <b>2008</b> , 436, 99-111	1.4	7
59	Pox <b>2020</b> , 364-381		7
58	Infectious Coryza and Related Bacterial Infections <b>2020</b> , 890-906		7
57	First Detection of Avian Lineage H7N2 in. <i>Genome Announcements</i> , <b>2017</b> , 5,		6
56	Evolution of H4, H5 influenza A viruses in natural ecosystems in Northern Eurasia (2000-2002). <i>International Congress Series</i> , <b>2004</b> , 1263, 169-173		6
55	Complete Genome Sequences of Four Avian Paramyxoviruses of Serotype 10 Isolated from Rockhopper Penguins on the Falkland Islands. <i>Genome Announcements</i> , <b>2017</b> , 5,		5
54	Mycoplasmosis <b>2020</b> , 907-965		5
53	First Complete Genome Sequence of a Subgenotype Vd Newcastle Disease Virus Isolate. <i>Microbiology Resource Announcements</i> , <b>2019</b> , 8,	1.3	5
52	Development of DIVA (differentiation of infected from vaccinated animals) vaccines utilizing heterologous NA and NS1 protein strategies for the control of triple reassortant H3N2 influenza in turkeys. <i>Vaccine</i> , <b>2011</b> , 29, 7966-74	4.1	5
51	Pandemic H1N1 influenza virus in Chilean commercial turkeys with genetic and serologic comparisons to U.S. H1N1 avian influenza vaccine isolates. <i>Avian Diseases</i> , <b>2011</b> , 55, 633-41	1.6	5
50	Detection and identification of the H5 hemagglutinin subtype by real-time RT-PCR. <i>Methods in Molecular Biology</i> , <b>2008</b> , 436, 27-33	1.4	5
49	Heteroduplex mobility assay for detection of new avian influenza virus variants. <i>Avian Diseases</i> , <b>2002</b> , 46, 393-400	1.6	5
48	Protozoal Infections <b>2020</b> , 1192-1254		5
47	Neoplastic Diseases <b>2020</b> , 548-715		5
46	Mutations in PB1, NP, HA, and NA Contribute to Increased Virus Fitness of H5N2 Highly Pathogenic Avian Influenza Virus Clade 2.3.4.4 in Chickens. <i>Journal of Virology</i> , <b>2020</b> ,	6.6	5
45	Rapid detection of Eurasian and American H7 subtype influenza A viruses using a single TaqManMGB real-time RT-PCR. <i>Avian Diseases</i> , <b>2010</b> , 54, 632-8	1.6	4
44	Controversies and clarifications regarding bovine lentivirus infections. Subcommittee for the Bovine Retrovirus Committee, US Animal Health Association. <i>Journal of the American Veterinary Medical Association</i> , <b>2000</b> , 217, 1318-24	1	4

43	PCR diagnosis of the bovine immunodeficiency-like virus. <i>Methods in Molecular Biology</i> , <b>1998</b> , 92, 67-79	1.4	4
42	Isolation and Characterization of Newcastle Disease Virus from Live Bird Markets in Tanzania. <i>Avian Diseases</i> , <b>2019</b> , 63, 634-640	1.6	4
41	Biosafety risk assessment for production of candidate vaccine viruses to protect humans from zoonotic highly pathogenic avian influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , <b>2020</b> , 14, 215-225	5.6	4
40	Viral Enteric Infections <b>2020</b> , 401-445		4
39	Adenovirus Infections <b>2020</b> , 321-363		4
38	First Genome Sequence of Newcastle Disease Virus of Genotype VIII from Jordan. <i>Microbiology Resource Announcements</i> , <b>2018</b> , 7,	1.3	4
37	Age-dependent pathogenesis of clade 2.3.4.4A H5N2 HPAIV in experimentally infected Broad Breasted White turkeys. <i>Veterinary Microbiology</i> , <b>2019</b> , 231, 183-190	3.3	3
36	Nutritional Diseases <b>2020</b> , 1255-1285		3
35	Pathobiology and innate immune responses of gallinaceous poultry to clade 2.3.4.4A H5Nx highly pathogenic avian influenza virus infection. <i>Veterinary Research</i> , <b>2019</b> , 50, 89	3.8	3
34	Sequencing artifacts in the type A influenza databases and attempts to correct them. <i>Influenza and Other Respiratory Viruses</i> , <b>2014</b> , 8, 499-505	5.6	3
33	Single-Nucleotide Polymorphism Analysis to Select Conserved Regions for an Improved Real-Time Reverse Transcription-PCR Test Specific for Newcastle Disease Virus. <i>Avian Diseases</i> , <b>2019</b> , 63, 625-633	1.6	3
32	Efficacy of Two Licensed Avian Influenza H5 Vaccines Against Challenge with a 2015 U.S. H5N2 clade 2.3.4.4 Highly Pathogenic Avian Influenza Virus in Domestic Ducks. <i>Avian Diseases</i> , <b>2019</b> , 63, 90-96	1.6	3
31	Rapid and sensitive virulence prediction and identification of Newcastle disease virus genotypes using third-generation sequencing		3
30	Viral Infections of Waterfowl <b>2020</b> , 446-497		3
29	Principles of Disease Prevention, Diagnosis, and Control <b>2020</b> , 1-78		3
28	Mycotoxicoses <b>2020</b> , 1330-1348		3
27	Pasteurellosis and Other Respiratory Bacterial Infections <b>2020</b> , 831-889		3
26	Campylobacteriosis <b>2020</b> , 754-769		3

25	Complete Genome Sequence of Strain GA08 (GI-27 Lineage). <i>Microbiology Resource Announcements</i> , <b>2020</b> , 9,	1.3	2
24	Avian Chlamydiosis <b>2020</b> , 1086-1107		2
23	Identification of efficacious vaccines against contemporary North American H7 avian influenza viruses. <i>Avian Diseases</i> , <b>2020</b> ,	1.6	2
22	Developmental, Metabolic, and Other Noninfectious Disorders <b>2020</b> , 1286-1329		2
21	Other Bacterial Diseases <b>2020</b> , 995-1085		2
20	Surveillance and Genetic Characterization of Virulent Newcastle Disease Virus Subgenotype V.3 in Indigenous Chickens from Backyard Poultry Farms and Live Bird Markets in Kenya. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
19	Protection against Different Genotypes of Newcastle Disease Viruses (NDV) Afforded by an Adenovirus-Vectored Fusion Protein and Live NDV Vaccines in Chickens. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	2
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17	Histopathologic Characterization and Shedding Dynamics of Guineafowl ( <i>Numida meleagris</i> ) Intravenously Infected with a H6N2 Low Pathogenicity Avian Influenza Virus. <i>Avian Diseases</i> , <b>2016</b> , 60, 279-85	1.6	1
16	Diagnostics and surveillance methods <b>2016</b> , 31-44		1
15	Armoured exogenous internal control for real-time PCR diagnosis of avian influenza. <i>Avian Pathology</i> , <b>2019</b> , 48, 492-498	2.4	1
14	Influenza a virus surveillance of migratory waterfowl in Barbados, West Indies. <i>Annals of the New York Academy of Sciences</i> , <b>2006</b> , 1081, 169-70	6.5	1
13	Complete Genome Sequence of an Subtype B Strain from Hungary. <i>Microbiology Resource Announcements</i> , <b>2020</b> , 9,	1.3	1
12	Emerging Diseases and Diseases of Complex or Unknown Etiology <b>2020</b> , 1383-1410		1
11	Chicken Infectious Anemia and Circovirus Infections in Commercial Flocks <b>2020</b> , 284-320		1
10	Clostridial Diseases <b>2020</b> , 966-994		1
9	Whole-Genome Sequence of from a 15-Year-Old Sample Confirms Evidence of GA08-like Strain Circulation 4 Years Prior to Its First Reported Outbreak. <i>Microbiology Resource Announcements</i> , <b>2021</b> , 10,	1.3	1
8	Near-Complete Genome Sequences of Five Siciniviruses from North America. <i>Microbiology Resource Announcements</i> , <b>2021</b> , 10,	1.3	1

7	Multiple Gene Segments Are Associated with Enhanced Virulence of Clade 2.3.4.4 H5N8 Highly Pathogenic Avian Influenza Virus in Mallards. <i>Journal of Virology</i> , <b>2021</b> , 95, e0095521	6.6	1
6	External Parasites and Poultry Pests <b>2020</b> , 1135-1156		0
5	Toxins and Poisons <b>2020</b> , 1349-1382		0
4	Development of an in vitro model for animal species susceptibility to SARS-CoV-2 replication based on expression of ACE2 and TMPRSS2 in avian cells.. <i>Virology</i> , <b>2022</b> , 569, 1-12	3.6	0
3	In situ cytokine gene expression in early stage of virulent Newcastle disease in chickens. <i>Veterinary Pathology</i> , <b>2021</b> , 3009858211045945	2.8	0
2	The pathogenicity and transmission of live bird market H2N2 avian influenza viruses in chickens, Pekin ducks, and guinea fowl. <i>Veterinary Microbiology</i> , <b>2021</b> , 260, 109180	3.3	0
1	Host Factors for Disease Resistance <b>2020</b> , 79-108		