

Timm C Harder

List of Publications by Year in descending order

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180
papers

6,317
citations

61945

43
h-index

98753

67
g-index

187
all docs

187
docs citations

187
times ranked

5167
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 in fruit bats, ferrets, pigs, and chickens: an experimental transmission study. <i>Lancet Microbe</i> , The, 2020, 1, e218-e225.	3.4	434
2	Effect of <i>Lactobacillus gasseri</i> PA 16/8, <i>Bifidobacterium longum</i> SP 07/3, <i>B. bifidum</i> MF 20/5 on common cold episodes: A double blind, randomized, controlled trial. <i>Clinical Nutrition</i> , 2005, 24, 481-491.	2.3	235
3	Probiotic bacteria reduced duration and severity but not the incidence of common cold episodes in a double blind, randomized, controlled trial. <i>Vaccine</i> , 2006, 24, 6670-6674.	1.7	170
4	Canine distemper virus "A morbillivirus in search of new hosts?". <i>Trends in Microbiology</i> , 1997, 5, 120-124.	3.5	127
5	Emergence and spread of novel H5N8, H5N5 and H5N1 clade 2.3.4.4 highly pathogenic avian influenza in 2020. <i>Emerging Microbes and Infections</i> , 2021, 10, 148-151.	3.0	125
6	Riems influenza a typing array (RITA): An RT-qPCR-based low density array for subtyping avian and mammalian influenza A viruses. <i>Scientific Reports</i> , 2016, 6, 27211.	1.6	110
7	Phylogenetic analyses of highly pathogenic avian influenza virus isolates from Germany in 2006 and 2007 suggest at least three separate introductions of H5N1 virus. <i>Veterinary Microbiology</i> , 2008, 128, 243-252.	0.8	109
8	European Surveillance Network for Influenza in Pigs: Surveillance Programs, Diagnostic Tools and Swine Influenza Virus Subtypes Identified in 14 European Countries from 2010 to 2013. <i>PLoS ONE</i> , 2014, 9, e115815.	1.1	107
9	Highly Pathogenic Avian Influenza Virus Infection of Mallards with Homo- and Heterosubtypic Immunity Induced by Low Pathogenic Avian Influenza Viruses. <i>PLoS ONE</i> , 2009, 4, e6706.	1.1	98
10	Molecular analysis of highly pathogenic avian influenza virus of subtype H5N1 isolated from wild birds and mammals in northern Germany. <i>Journal of General Virology</i> , 2007, 88, 554-558.	1.3	95
11	Highly pathogenic avian influenza virus H5N1 from Egypt escapes vaccine-induced immunity but confers clinical protection against a heterologous clade 2.2.1 Egyptian isolate. <i>Vaccine</i> , 2011, 29, 5567-5573.	1.7	92
12	Neurotropism of Highly Pathogenic Avian Influenza Virus A/Chicken/Indonesia/2003 (H5N1) in Experimentally Infected Pigeons (<i>Columbia livia</i> f. domestica). <i>Veterinary Pathology</i> , 2006, 43, 463-470.	0.8	91
13	Pathogenicity of Highly Pathogenic Avian Influenza Virus (H5N1) in Adult Mute Swans. <i>Emerging Infectious Diseases</i> , 2008, 14, 1267-1270.	2.0	91
14	Pathology of Natural Infections by H5N1 Highly Pathogenic Avian Influenza Virus in Mute (Cygnus) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.8	89
15	Reassorted pandemic (H1N1) 2009 influenza A virus discovered from pigs in Germany. <i>Journal of General Virology</i> , 2011, 92, 1184-1188.	1.3	89
16	Outbreaks among Wild Birds and Domestic Poultry Caused by Reassorted Influenza A(H5N8) Clade 2.3.4.4 Viruses, Germany, 2016. <i>Emerging Infectious Diseases</i> , 2017, 23, 633-636.	2.0	89
17	Influenza virus infections in dogs and cats. <i>Veterinary Immunology and Immunopathology</i> , 2010, 134, 54-60.	0.5	86
18	Rapid molecular subtyping by reverse transcription polymerase chain reaction of the neuraminidase gene of avian influenza A viruses. <i>Veterinary Microbiology</i> , 2009, 135, 253-260.	0.8	78

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19	Rapid and Highly Sensitive Pathotyping of Avian Influenza A H5N1 Virus by Using Real-Time Reverse Transcription-PCR. <i>Journal of Clinical Microbiology</i> , 2007, 45, 600-603.	1.8	77
20	Experimental Infection and Natural Contact Exposure of Dogs with Avian Influenza Virus (H5N1). <i>Emerging Infectious Diseases</i> , 2008, 14, 308-310.	2.0	73
21	Influenza A(H5N8) Virus Similar to Strain in Korea Causing Highly Pathogenic Avian Influenza in Germany. <i>Emerging Infectious Diseases</i> , 2015, 21, 860-863.	2.0	73
22	Characterisation of morbilliviruses isolated from Lake Baikal seals (<i>Phoca sibirica</i>). <i>Veterinary Microbiology</i> , 1995, 44, 251-259.	0.8	72
23	Distribution of Lesions and Antigen of Highly Pathogenic Avian Influenza Virus A/Swan/Germany/R65/06 (H5N1) in Domestic Cats after Presumptive Infection by Wild Birds. <i>Veterinary Pathology</i> , 2007, 44, 261-268.	0.8	68
24	Encephalitis in a Stone Marten (<i>Martes foina</i>) after Natural Infection with Highly Pathogenic Avian Influenza Virus Subtype H5N1. <i>Journal of Comparative Pathology</i> , 2007, 137, 155-159.	0.1	68
25	The use of FTA [®] filter papers for diagnosis of avian influenza virus. <i>Journal of Virological Methods</i> , 2011, 174, 120-122.	1.0	64
26	Multiple introductions of reassorted highly pathogenic avian influenza viruses (H5N8) clade 2.3.4.4b causing outbreaks in wild birds and poultry in Egypt. <i>Infection, Genetics and Evolution</i> , 2018, 58, 56-65.	1.0	64
27	Has Epizootic Become Enzootic? Evidence for a Fundamental Change in the Infection Dynamics of Highly Pathogenic Avian Influenza in Europe, 2021. <i>MBio</i> , 2022, 13, .	1.8	64
28	A novel European H5N8 influenza A virus has increased virulence in ducks but low zoonotic potential. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-14.	3.0	62
29	Universal Primer Set for Amplification and Sequencing of HA Cleavage Sites of All Influenza A Viruses. <i>Journal of Clinical Microbiology</i> , 2008, 46, 2561-2567.	1.8	59
30	Introduction and enzootic of A/H5N1 in Egypt: Virus evolution, pathogenicity and vaccine efficacy ten years on. <i>Infection, Genetics and Evolution</i> , 2016, 40, 80-90.	1.0	58
31	Comparing introduction to Europe of highly pathogenic avian influenza viruses A(H5N8) in 2014 and A(H5N1) in 2005. <i>Eurosurveillance</i> , 2014, 19, 20996.	3.9	58
32	Swarm incursions of reassortants of highly pathogenic avian influenza virus strains H5N8 and H5N5, clade 2.3.4.4b, Germany, winter 2016/17. <i>Scientific Reports</i> , 2018, 8, 15.	1.6	57
33	Dynamics of Specific Antibody Responses Induced in Mallards After Infection by or Immunization with Low Pathogenicity Avian Influenza Viruses. <i>Avian Diseases</i> , 2010, 54, 79-85.	0.4	56
34	Avian influenza virus monitoring in wintering waterbirds in Iran, 2003-2007. <i>Virology Journal</i> , 2010, 7, 43.	1.4	54
35	Influenza A Virus Infection in Pigs Attracts Multifunctional and Cross-Reactive T Cells to the Lung. <i>Journal of Virology</i> , 2016, 90, 9364-9382.	1.5	53
36	Design and Validation of a Microarray for Detection, Hemagglutinin Subtyping, and Pathotyping of Avian Influenza Viruses. <i>Journal of Clinical Microbiology</i> , 2009, 47, 327-334.	1.8	52

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37	Multiple dose vaccination with heterologous H5N2 vaccine: Immune response and protection against variant clade 2.2.1 highly pathogenic avian influenza H5N1 in broiler breeder chickens. <i>Vaccine</i> , 2011, 29, 6219-6225.	1.7	50
38	Influence of maternal immunity on vaccine efficacy and susceptibility of one day old chicks against Egyptian highly pathogenic avian influenza H5N1. <i>Veterinary Microbiology</i> , 2012, 155, 13-20.	0.8	50
39	New LightCycler PCR for Rapid and Sensitive Quantification of Parvovirus B19 DNA Guides Therapeutic Decision-Making in Relapsing Infections. <i>Journal of Clinical Microbiology</i> , 2001, 39, 4413-4419.	1.8	49
40	Phocine Distemper in German Seals, 2002. <i>Emerging Infectious Diseases</i> , 2004, 10, 723-725.	2.0	49
41	Canine distemper virus in Lake Baikal seals (<i>Phoca sibirica</i>). <i>Veterinary Record</i> , 1996, 138, 437-439.	0.2	48
42	Highly Pathogenic Avian Influenza Virus (H5N1) in Frozen Duck Carcasses, Germany, 2007. <i>Emerging Infectious Diseases</i> , 2009, 15, 272-279.	2.0	46
43	Saving resources: Avian influenza surveillance using pooled swab samples and reduced reaction volumes in real-time RT-PCR. <i>Journal of Virological Methods</i> , 2012, 186, 119-125.	1.0	46
44	Evolutionary trajectories and diagnostic challenges of potentially zoonotic avian influenza viruses H5N1 and H9N2 co-circulating in Egypt. <i>Infection, Genetics and Evolution</i> , 2015, 34, 278-291.	1.0	46
45	Highly Pathogenic Avian Influenza H5N8 Clade 2.3.4.4b in Germany in 2016/2017. <i>Frontiers in Veterinary Science</i> , 2017, 4, 240.	0.9	45
46	There is nothing permanent except change. The emergence of new virus diseases. <i>Veterinary Microbiology</i> , 1995, 43, 103-122.	0.8	43
47	Rapid and Sensitive Detection of Immunoglobulin M (IgM) and IgG Antibodies against Canine Distemper Virus by a New Recombinant Nucleocapsid Protein-Based Enzyme-Linked Immunosorbent Assay. <i>Journal of Clinical Microbiology</i> , 1999, 37, 1049-1056.	1.8	43
48	New real-time reverse transcriptase polymerase chain reactions facilitate detection and differentiation of novel A/H1N1 influenza virus in porcine and human samples. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , 2010, 123, 286-92.	0.7	43
49	Ducks as Sentinels for Avian Influenza in Wild Birds. <i>Emerging Infectious Diseases</i> , 2009, 15, 1633-1636.	2.0	41
50	Novel HPAIV H5N8 Reassortant (Clade 2.3.4.4b) Detected in Germany. <i>Viruses</i> , 2020, 12, 281.	1.5	41
51	Experimental Infection of Cattle with Highly Pathogenic Avian Influenza Virus (H5N1). <i>Emerging Infectious Diseases</i> , 2008, 14, 1132-1134.	2.0	39
52	Avian Influenza H7N9/13 and H7N7/13: a Comparative Virulence Study in Chickens, Pigeons, and Ferrets. <i>Journal of Virology</i> , 2014, 88, 9153-9165.	1.5	39
53	Expanded Cocirculation of Stable Subtypes, Emerging Lineages, and New Sporadic Reassortants of Porcine Influenza Viruses in Swine Populations in Northwest Germany. <i>Journal of Virology</i> , 2013, 87, 10460-10476.	1.5	38
54	Avian influenza. <i>EFSA Journal</i> , 2017, 15, e04991.	0.9	38

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55	Rapid detection and subtyping of European swine influenza viruses in porcine clinical samples by haemagglutinin- and neuraminidase-specific tetra- and triplex real-time RT-PCR. <i>Influenza and Other Respiratory Viruses</i> , 2016, 10, 504-517.		37
56	Viral Antigen Distribution in Organs of Cattle Experimentally Infected with Rinderpest Virus. <i>Veterinary Pathology</i> , 1993, 30, 544-554.	0.8	36
57	From low to high pathogenicity-Characterization of H7N7 avian influenza viruses in two epidemiologically linked outbreaks. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 1576-1587.	1.3	36
58	Protection and Virus Shedding of Falcons Vaccinated against Highly Pathogenic Avian Influenza A Virus (H5N1). <i>Emerging Infectious Diseases</i> , 2007, 13, 1667-1674.	2.0	35
59	Diversifying evolution of highly pathogenic H5N1 avian influenza virus in Egypt from 2006 to 2011. <i>Virus Genes</i> , 2012, 45, 14-23.	0.7	35
60	Rapid multiplex MinION nanopore sequencing workflow for Influenza A viruses. <i>BMC Infectious Diseases</i> , 2020, 20, 648.	1.3	35
61	SEROLOGIC SURVEY FOR PHOCID HERPESVIRUS-1 AND -2 IN MARINE MAMMALS FROM ALASKA AND RUSSIA. <i>Journal of Wildlife Diseases</i> , 1997, 33, 459-465.	0.3	34
62	Reassortants of pandemic influenza A virus H1N1/2009 and endemic porcine HxN2 viruses emerge in swine populations in Germany. <i>Journal of General Virology</i> , 2012, 93, 1658-1663.	1.3	34
63	Infections with highly pathogenic avian influenza A virus (HPAIV) H5N8 in harbor seals at the German North Sea coast, 2021. <i>Emerging Microbes and Infections</i> , 2022, 11, 725-729.	3.0	34
64	Comparative analysis of the attachment protein gene (H) of dolphin morbillivirus. <i>Virus Research</i> , 1996, 40, 47-55.	1.1	33
65	Active Surveillance for Avian Influenza Virus Infection in Wild Birds by Analysis of Avian Fecal Samples from the Environment. <i>Journal of Wildlife Diseases</i> , 2009, 45, 512-518.	0.3	33
66	Sequence diversity of the haemagglutinin open reading frame of recent highly pathogenic avian influenza H5N1 isolates from Egypt. <i>Archives of Virology</i> , 2009, 154, 1559-1562.	0.9	33
67	Comparative immunological characterization of type-specific and conserved B-cell epitopes of pinniped, felid and canid herpesviruses. <i>Archives of Virology</i> , 1994, 136, 335-347.	0.9	32
68	Respiratory disease due to mixed viral infections in poultry flocks in Egypt between 2017 and 2018: Upsurge of highly pathogenic avian influenza virus subtype H5N8 since 2018. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 21-36.	1.3	31
69	Outbreaks of highly pathogenic avian influenza H5N1 clade 2.3.2.1c in hunting falcons and kept wild birds in Dubai implicate intercontinental virus spread. <i>Journal of General Virology</i> , 2015, 96, 3212-3222.	1.3	31
70	Highly pathogenic avian influenza A(H5N8) outbreaks: protection and management of exposed people in Europe, 2014/15 and 2016. <i>Eurosurveillance</i> , 2016, 21, .	3.9	30
71	Intertypic differentiation and detection of intratypic variants among canine and phocid morbillivirus isolates by kinetic neutralization using a novel immunoplaque assay. <i>Journal of Virological Methods</i> , 1993, 41, 77-92.	1.0	29
72	Rapid and Highly Sensitive Neuraminidase Subtyping of Avian Influenza Viruses by Use of a Diagnostic DNA Microarray. <i>Journal of Clinical Microbiology</i> , 2009, 47, 2985-2988.	1.8	29

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73	Minute excretion of highly pathogenic avian influenza virus A/chicken/Indonesia/2003 (H5N1) from experimentally infected domestic pigeons (<i>Columba livia</i>) and lack of transmission to sentinel chickens. <i>Journal of General Virology</i> , 2007, 88, 3089-3093.	1.3	29
74	Protection of cats against lethal influenza H5N1 challenge infection. <i>Journal of General Virology</i> , 2008, 89, 968-974.	1.3	28
75	Rapid haemagglutinin subtyping and pathotyping of avian influenza viruses by a DNA microarray. <i>Journal of Virological Methods</i> , 2009, 160, 200-205.	1.0	28
76	Spatiotemporal Analysis of the Genetic Diversity of Seal Influenza A(H10N7) Virus, Northwestern Europe. <i>Journal of Virology</i> , 2016, 90, 4269-4277.	1.5	28
77	White-Tailed Sea Eagle (<i>Haliaeetus albicilla</i>) Die-Off Due to Infection with Highly Pathogenic Avian Influenza Virus, Subtype H5N8, in Germany. <i>Viruses</i> , 2018, 10, 478.	1.5	28
78	Poultry food products—a source of avian influenza virus transmission to humans?. <i>Clinical Microbiology and Infection</i> , 2016, 22, 141-146.	2.8	27
79	New real time and conventional RT-PCRs for updated molecular diagnosis of infectious bronchitis virus infection (IBV) in chickens in Egypt associated with frequent co-infections with avian influenza and Newcastle Disease viruses. <i>Journal of Virological Methods</i> , 2017, 245, 19-27.	1.0	27
80	Evidence of exposure of domestic pigs to Highly Pathogenic Avian Influenza H5N1 in Nigeria. <i>Scientific Reports</i> , 2018, 8, 5900.	1.6	27
81	Genetic analysis of the central untranslated genome region and the proximal coding part of the F gene of wild-type and vaccine canine distemper morbilliviruses. <i>Virus Genes</i> , 1998, 17, 259-270.	0.7	26
82	Influenza A Viruses and Zoonotic Events—Are We Creating Our Own Reservoirs?. <i>Viruses</i> , 2021, 13, 2250.	1.5	26
83	Evaluation of Two Commercial Loop-Mediated Isothermal Amplification Assays for Detection of Avian Influenza H5 and H7 Hemagglutinin Genes. <i>Journal of Veterinary Diagnostic Investigation</i> , 2010, 22, 61-66.	0.5	25
84	Antibodies against european phocine herpesvirus isolates detected in sera of Antarctic seals. <i>Polar Biology</i> , 1991, 11, 509.	0.5	24
85	Variable impact of the hemagglutinin polybasic cleavage site on virulence and pathogenesis of avian influenza H7N7 virus in chickens, turkeys and ducks. <i>Scientific Reports</i> , 2019, 9, 11556.	1.6	23
86	Isolation and genetic characterization of a novel 2.2.1.2a H5N1 virus from a vaccinated meat-turkeys flock in Egypt. <i>Virology Journal</i> , 2017, 14, 48.	1.4	22
87	Natural Reassortants of Potentially Zoonotic Avian Influenza Viruses H5N1 and H9N2 from Egypt Display Distinct Pathogenic Phenotypes in Experimentally Infected Chickens and Ferrets. <i>Journal of Virology</i> , 2017, 91, .	1.5	22
88	Novel real-time PCR-based patho- and phylotyping of potentially zoonotic avian influenza A subtype H5 viruses at risk of incursion into Europe in 2017. <i>Eurosurveillance</i> , 2017, 22, .	3.9	22
89	A viral race for primacy: co-infection of a natural pair of low and highly pathogenic H7N7 avian influenza viruses in chickens and embryonated chicken eggs. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-12.	3.0	22
90	A newly developed tetraplex real-time RT-PCR for simultaneous screening of influenza virus types A, B, C and D. <i>Influenza and Other Respiratory Viruses</i> , 2019, 13, 71-82.	1.5	22

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91	Full genome sequence analysis of a newly emerged QX-like infectious bronchitis virus from Sudan reveals distinct spots of recombination. <i>Infection, Genetics and Evolution</i> , 2016, 46, 42-49.	1.0	21
92	Age-related disease in recurrent outbreaks of phocid herpesvirus type 1 infections in a seal rehabilitation centre: evaluation of diagnostic methods. <i>Veterinary Record</i> , 1997, 140, 500-503.	0.2	20
93	Analysis of the H gene, the central untranslated region and the proximal coding part of the F gene of wild-type and vaccine canine distemper viruses. <i>Veterinary Microbiology</i> , 1999, 69, 15-18.	0.8	20
94	Evolutionary features of influenza A/H5N1 virus populations in Egypt: poultry and human health implications. <i>Archives of Virology</i> , 2016, 161, 1963-1967.	0.9	20
95	Investigation of suspected Newcastle disease (ND) outbreaks in Egypt uncovers a high virus velogenic ND virus burden in small-scale holdings and the presence of multiple pathogens. <i>Avian Pathology</i> , 2019, 48, 406-415.	0.8	20
96	Modulation of lethal HPAIV H5N8 clade 2.3.4.4B infection in AIV pre-exposed mallards. <i>Emerging Microbes and Infections</i> , 2020, 9, 180-193.	3.0	20
97	Human Infection with Eurasian Avian-Like Swine Influenza A(H1N1) Virus, the Netherlands, September 2019. <i>Emerging Infectious Diseases</i> , 2021, 27, 939-943.	2.0	20
98	Analysis of antigenic differences between sixteen phocine distemper virus isolates and other morbilliviruses. <i>Archives of Virology</i> , 1991, 118, 261-268.	0.9	19
99	Frequency of PRRS live vaccine virus (European and North American genotype) in vaccinated and non-vaccinated pigs submitted for respiratory tract diagnostics in North-Western Germany. <i>Preventive Veterinary Medicine</i> , 2009, 92, 31-37.	0.7	19
100	Insights into genetic diversity and biological propensities of potentially zoonotic avian influenza H9N2 viruses circulating in Egypt. <i>Virology</i> , 2017, 511, 165-174.	1.1	19
101	Genetic Characterization and Zoonotic Potential of Highly Pathogenic Avian Influenza Virus A(H5N6/H5N5), Germany, 2017-2018. <i>Emerging Infectious Diseases</i> , 2019, 25, 1973-1976.	2.0	19
102	Controlling Avian Influenza Virus in Bangladesh: Challenges and Recommendations. <i>Viruses</i> , 2020, 12, 751.	1.5	19
103	The genetics of highly pathogenic avian influenza viruses of subtype H5 in Germany, 2006-2020. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1136-1150.	1.3	19
104	A Semiquantitative Scoring System for Histopathological and Immunohistochemical Assessment of Lesions and Tissue Tropism in Avian Influenza. <i>Viruses</i> , 2021, 13, 868.	1.5	19
105	Highly pathogenic avian influenza virus incursions of subtype H5N8, H5N5, H5N1, H5N4, and H5N3 in Germany during 2020-21. <i>Virus Evolution</i> , 2022, 8, veac035.	2.2	19
106	Limited Susceptibility of Chickens, Turkeys, and Mice to Pandemic (H1N1) 2009 Virus. <i>Emerging Infectious Diseases</i> , 2010, 16, 703-705.	2.0	18
107	Simultaneous detection and differentiation by multiplex real time RT-PCR of highly pathogenic avian influenza subtype H5N1 classic (clade 2.2.1 proper) and escape mutant (clade 2.2.1 variant) lineages in Egypt. <i>Virology Journal</i> , 2010, 7, 260.	1.4	18
108	A genetically engineered H5 protein expressed in insect cells confers protection against different clades of H5N1 highly pathogenic avian influenza viruses in chickens. <i>Avian Pathology</i> , 2017, 46, 224-233.	0.8	18

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109	Efficacy of a commercial inactivated H5 influenza vaccine against highly pathogenic avian influenza H5N1 in waterfowl evaluated under field conditions. <i>OIE Revue Scientifique Et Technique</i> , 2009, 28, 275-291.	0.5	18
110	Possible sources and spreading routes of highly pathogenic avian influenza virus subtype H5N1 infections in poultry and wild birds in Central Europe in 2007 inferred through likelihood analyses. <i>Infection, Genetics and Evolution</i> , 2010, 10, 1075-1084.	1.0	17
111	Systemic influenza virus H5N1 infection in cats after gastrointestinal exposure. <i>Influenza and Other Respiratory Viruses</i> , 2010, 4, 379-386.	1.5	17
112	Effect of Swab Matrix, Storage Time, and Temperature on Detection of Avian Influenza Virus RNA in Swab Samples. <i>Avian Diseases</i> , 2012, 56, 955-958.	0.4	17
113	Novel Reassortant Highly Pathogenic Avian Influenza A(H5N2) Virus in Broiler Chickens, Egypt. <i>Emerging Infectious Diseases</i> , 2020, 26, 129-133.	2.0	17
114	Comparison of pathogenicity of subtype H9 avian influenza wild-type viruses from a wide geographic origin expressing mono-, di-, or tri-basic hemagglutinin cleavage sites. <i>Veterinary Research</i> , 2020, 51, 48.	1.1	17
115	Genotyping and reassortment analysis of highly pathogenic avian influenza viruses H5N8 and H5N2 from Egypt reveals successive annual replacement of genotypes. <i>Infection, Genetics and Evolution</i> , 2020, 84, 104375.	1.0	17
116	Influenza virus infections in mammals. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , 2006, 119, 123-31.	0.7	17
117	Exploring surface water as a transmission medium of avian influenza viruses – systematic infection studies in mallards. <i>Emerging Microbes and Infections</i> , 2022, 11, 1250-1261.	3.0	17
118	Chances and Limitations of Wild Bird Monitoring for the Avian Influenza Virus H5N1 – Detection of Pathogens Highly Mobile in Time and Space. <i>PLoS ONE</i> , 2009, 4, e6639.	1.1	16
119	Alterations in Hemagglutinin Receptor-Binding Specificity Accompany the Emergence of Highly Pathogenic Avian Influenza Viruses. <i>Journal of Virology</i> , 2015, 89, 5395-5405.	1.5	16
120	Co-subsistence of avian influenza virus subtypes of low and high pathogenicity in Bangladesh: Challenges for diagnosis, risk assessment and control. <i>Scientific Reports</i> , 2019, 9, 8306.	1.6	16
121	Heterologous post-infection immunity against Egyptian avian influenza virus (AIV) H9N2 modulates the course of subsequent infection by highly pathogenic AIV H5N1, but vaccination immunity does not. <i>Journal of General Virology</i> , 2017, 98, 1169-1173.	1.3	16
122	Longitudinal 2 years field study of conventional vaccination against highly pathogenic avian influenza H5N1 in layer hens. <i>Vaccine</i> , 2010, 28, 6832-6840.	1.7	15
123	Analysis of influenza A viruses of subtype H1 from wild birds, turkeys and pigs in Germany reveals interspecies transmission events. <i>Influenza and Other Respiratory Viruses</i> , 2011, 5, 276-284.	1.5	15
124	Subtyping of Swine Influenza Viruses Using a High-Throughput Real-Time PCR Platform. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 165.	1.8	15
125	Molecular subtyping of European swine influenza viruses and scaling to high-throughput analysis. <i>Virology Journal</i> , 2018, 15, 7.	1.4	15
126	Improved Subtyping of Avian Influenza Viruses Using an RT-qPCR-Based Low Density Array: –Riems Influenza a Typing Array™, Version 2 (RITA-2). <i>Viruses</i> , 2022, 14, 415.	1.5	15

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127	Variations in the severity of phocid herpesvirus type 1 infections with age in grey seals and harbour seals. <i>Veterinary Record</i> , 2002, 150, 572-575.	0.2	14
128	Rapid pathotyping of recent H5N1 highly pathogenic avian influenza viruses and of H5 viruses with low pathogenicity by RT-PCR and restriction enzyme cleavage pattern (RECP). <i>Journal of Virological Methods</i> , 2008, 154, 14-19.	1.0	14
129	In vivo biotinylated recombinant influenza A virus hemagglutinin for use in subtype-specific serodiagnostic assays. <i>Analytical Biochemistry</i> , 2011, 411, 22-31.	1.1	13
130	ClassyFlu: Classification of Influenza A Viruses with Discriminatively Trained Profile-HMMs. <i>PLoS ONE</i> , 2014, 9, e84558.	1.1	13
131	Emerging infectious bronchitis virus (IBV) in Egypt: Evidence for an evolutionary advantage of a new S1 variant with a unique gene 3ab constellation. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104433.	1.0	13
132	Are pigs overestimated as a source of zoonotic influenza viruses?. <i>Porcine Health Management</i> , 2022, 8, .	0.9	13
133	Major immunogenic proteins of phocid herpesviruses and their relationships to proteins of canine and feline herpesviruses. <i>Veterinary Quarterly</i> , 1998, 20, 50-55.	3.0	12
134	Diagnosis and strain differentiation of avian influenza viruses by restriction fragment mass analysis. <i>Journal of Virological Methods</i> , 2009, 158, 63-69.	1.0	12
135	Rapid detection by reverse hybridization of mutations in the UL97 gene of human cytomegalovirus conferring resistance to ganciclovir. <i>Journal of Clinical Virology</i> , 1999, 13, 53-59.	1.6	11
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