Daxin Peng

List of Publications by Year
in descending order

89 papers	1,818 citations	361413 20 h-index	315739 38 g-index
92 all docs	92 docs citations	92 times ranked	2374 citing authors

#	Article	IF	Citations
1	Characterization of three H5N5 and one H5N8 highly pathogenic avian influenza viruses in China. Veterinary Microbiology, 2013, 163, 351-357.	1.9	183
2	Novel Reassortant Highly Pathogenic H5N2 Avian Influenza Viruses in Poultry in China. PLoS ONE, 2012, 7, e46183.	2.5	107
3	Novel Reassortant Highly Pathogenic Avian Influenza (H5N5) Viruses in Domestic Ducks, China. Emerging Infectious Diseases, 2011, 17, 1060-1063.	4.3	98
4	Characterization of H9N2 influenza viruses isolated from vaccinated flocks in an integrated broiler chicken operation in eastern China during a 5 year period (1998â€“2002). Journal of General Virology, 2008, 89, 3102-3112.	2.9	94
5	Catalytic inactivation of influenza virus by iron oxide nanozyme. Theranostics, 2019, 9, 6920-6935.	10.0	90
6	Enzootic genotype S of H9N2 avian influenza viruses donates internal genes to emerging zoonotic influenza viruses in China. Veterinary Microbiology, 2014, 174, 309-315.	1.9	83
7	Characterization of duck H5N1 influenza viruses with differing pathogenicity in mallard (Anas) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	59
8	Escherichia coli Type III Secretion System 2 ATPase EivC Is Involved in the Motility and Virulence of Avian Pathogenic Escherichia coli. Frontiers in Microbiology, 2016, 7, 1387.	3.5	55
9	The PA-Gene-Mediated Lethal Dissemination and Excessive Innate Immune Response Contribute to the High Virulence of H5N1 Avian Influenza Virus in Mice. Journal of Virology, 2013, 87, 2660-2672.	3.4	54
10	Molecular Mechanism of the Airborne Transmissibility of H9N2 Avian Influenza A Viruses in Chickens. Journal of Virology, 2014, 88, 9568-9578.	3.4	50
11	Mucosal Vaccination for Influenza Protection Enhanced by Catalytic Immuneâ€Adjuvant. Advanced Science, 2020, 7, 2000771.	11.2	42
12	Hemagglutinin glycosylation modulates the pathogenicity and antigenicity of the H5N1 avian influenza virus. Veterinary Microbiology, 2015, 175, 244-256.	1.9	39
13	Role of c-Jun terminal kinase (JNK) activation in influenza A virus-induced autophagy and replication. Virology, 2019, 526, 1-12.	2.4	37
14	Roles of the spiA gene from Salmonella enteritidis in biofilm formation and virulence. Microbiology (United Kingdom), 2011, 157, 1798-1805.	1.8	36
15	A 20-Amino-Acid Deletion in the Neuraminidase Stalk and a Five-Amino-Acid Deletion in the NS1 Protein Both Contribute to the Pathogenicity of H5N1 Avian Influenza Viruses in Mallard Ducks. PLoS ONE, 2014, 9, e95539.	2.5	32
16	Identification and characterization of a novel antigenic epitope in the hemagglutinin of the escape mutants of H9N2 avian influenza viruses. Veterinary Microbiology, 2015, 178, 144-149.	1.9	31
17	H1N1 Influenza Virus Cross-Activates Gli1 to Disrupt the Intercellular Junctions of Alveolar Epithelial Cells. Cell Reports, 2020, 31, 107801.	6.4	28
18	Contribution of the <i>csgA</i> and <i>bcsA</i> genes to <i>Salmonella enterica</i> serovar Pullorum biofilm formation and virulence. Avian Pathology, 2017, 46, 541-547.	2.0	27

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19	T160A mutation-induced deglycosylation at site 158 in hemagglutinin is a critical determinant of the dual receptor binding properties of clade 2.3.4.4 H5NX subtype avian influenza viruses. Veterinary Microbiology, 2018, 217, 158-166.	1.9	25
20	Emergence of a multidrug resistance efflux pump with carbapenem resistance gene <i>bla</i>VIM-2 in a <i>Pseudomonas putida</i> megaplasmid of migratory bird origin. Journal of Antimicrobial Chemotherapy, 2021, 76, 1455-1458.	3.0	23
21	Role of stem glycans attached to haemagglutinin in the biological characteristics of H5N1 avian influenza virus. Journal of General Virology, 2015, 96, 1248-1257.	2.9	21
22	Development of a Colloidal Gold-Based Immunochromatographic Strip for Rapid Detection of H7N9 Influenza Viruses. Frontiers in Microbiology, 2018, 9, 2069.	3.5	21
23	Influenza a virus antagonizes type I and type II interferon responses via SOCS1-dependent ubiquitination and degradation of JAK1. Virology Journal, 2020, 17, 74.	3.4	21
24	Polar flagella rotation in Vibrio parahaemolyticus confers resistance to bacteriophage infection. Scientific Reports, 2016, 6, 26147.	3.3	20
25	Cross-clade protective immune responses of NS1-truncated live attenuated H5N1 avian influenza vaccines. Vaccine, 2016, 34, 350-357.	3.8	19
26	Multiplex one-step Real-time PCR by Taqman-MGB method for rapid detection of pan and H5 subtype avian influenza viruses. PLoS ONE, 2017, 12, e0178634.	2.5	19
27	N-linked glycosylation at site 158 of the HA protein of H5N6 highly pathogenic avian influenza virus is important for viral biological properties and host immune responses. Veterinary Research, 2021, 52, 8.	3.0	19
28	Establishing a Multicolor Flow Cytometry to Characterize Cellular Immune Response in Chickens Following H7N9 Avian Influenza Virus Infection. Viruses, 2020, 12, 1396.	3.3	17
29	Comparison of biological characteristics of H9N2 avian influenza viruses isolated from different hosts. Archives of Virology, 2015, 160, 917-927.	2.1	16
30	Efficacy of Live-Attenuated H9N2 Influenza Vaccine Candidates Containing NS1 Truncations against H9N2 Avian Influenza Viruses. Frontiers in Microbiology, 2017, 8, 1086.	3.5	16
31	Mechanism of Asp24 Upregulation in Brucella abortus Rough Mutant with a Disrupted O-Antigen Export System and Effect of Asp24 in Bacterial Intracellular Survival. Infection and Immunity, 2014, 82, 2840-2850.	2.2	15
32	Synergistic effect of PB2 283M and 526R contributes to enhanced virulence of H5N8 influenza viruses in mice. Veterinary Research, 2017, 48, 67.	3.0	15
33	Compatibility between haemagglutinin and neuraminidase drives the recent emergence of novel clade 2.3.4.4 H5Nx avian influenza viruses in China. Transboundary and Emerging Diseases, 2018, 65, 1757-1769.	3.0	15
34	Biofilm-Formation-Related Genes csgD and bcsA Promote the Vertical Transmission of Salmonella Enteritidis in Chicken. Frontiers in Veterinary Science, 2020, 7, 625049.	2.2	15
35	The antigenic drift molecular basis of the H5N1 influenza viruses in a novel branch of clade 2.3.4. Veterinary Microbiology, 2014, 171, 23-30.	1.9	14
36	Reassortant H5N1 avian influenza viruses containing PA or NP gene from an H9N2 virus significantly increase the pathogenicity in mice. Veterinary Microbiology, 2016, 192, 95-101.	1.9	14

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37	The T160A hemagglutinin substitution affects not only receptor binding property but also transmissibility of H5N1 clade 2.3.4 avian influenza virus in guinea pigs. Veterinary Research, 2017, 48, 7.	3.0	13
38	Internal Gene Cassette from a Genotype S H9N2 Avian Influenza Virus Attenuates the Pathogenicity of H5 Viruses in Chickens and Mice. Frontiers in Microbiology, 2017, 8, 1978.	3.5	13
39	Glycosylation at 11Asn on hemagglutinin of H5N1 influenza virus contributes to its biological characteristics. Veterinary Research, 2017, 48, 81.	3.0	13
40	Host Interaction Analysis of PA-N155 and PA-N182 in Chicken Cells Reveals an Essential Role of UBA52 for Replication of H5N1 Avian Influenza Virus. Frontiers in Microbiology, 2018, 9, 936.	3.5	13
41	The PB2 and M genes of genotype S H9N2 virus contribute to the enhanced fitness of H5Nx and H7N9 avian influenza viruses in chickens. Virology, 2019, 535, 218-226.	2.4	13
42	Characteristics of two highly pathogenic avian influenza H5N8 viruses with different pathogenicity in mice. Archives of Virology, 2016, 161, 3365-3374.	2.1	12
43	Genetic and biological characterization of three poultry-origin H5N6 avian influenza viruses with all internal genes from genotype S H9N2 viruses. Archives of Virology, 2018, 163, 947-960.	2.1	12
44	Genetic and biological characterization of two reassortant H5N2 avian influenza A viruses isolated from waterfowl in China in 2016. Veterinary Microbiology, 2018, 224, 8-16.	1.9	12
45	iTRAQ-based quantitative proteomics reveals important host factors involved in the high pathogenicity of the H5N1 avian influenza virus in mice. Medical Microbiology and Immunology, 2017, 206, 125-147.	4.8	11
46	Detection of influenza A virus from live-bird market poultry swab samples in China by a pan-IAV, one-step reverse-transcription FRET-PCR. Scientific Reports, 2016, 6, 30015.	3.3	10
47	A comprehensive comparison of the fifthâ€wave highly pathogenic and lowâ€pathogenic H7N9 avian influenza viruses reveals potential threat posed by both types of viruses in mammals. Transboundary and Emerging Diseases, 2018, 65, 1459-1473.	3.0	10
48	Characterisation and haemagglutinin gene epitope mapping of a variant strain of H5N1 subtype avian influenza virus. Veterinary Microbiology, 2013, 162, 614-622.	1.9	9
49	Duplex PCR for differentiation of the vaccine strain Brucella suis S2 and B.Âsuis biovar 1 from other strains of Brucella spp.. Veterinary Journal, 2014, 201, 427-428.	1.7	9
50	Enhanced cross-lineage protection induced by recombinant H9N2 avian influenza virus inactivated vaccine. Vaccine, 2019, 37, 1736-1742.	3.8	9
51	The PB2 and M genes are critical for the superiority of genotype S H9N2 virus to genotype H in optimizing viral fitness of H5Nx and H7N9 avian influenza viruses in mice. Transboundary and Emerging Diseases, 2020, 67, 758-768.	3.0	9
52	Amino acid substitutions in antigenic region B of hemagglutinin play a critical role in the antigenic drift of subclade 2.3.4.4 highly pathogenic H5NX influenza viruses. Transboundary and Emerging Diseases, 2020, 67, 263-275.	3.0	9
53	H5N1 avian influenza virus without 80â€"84 amino acid deletion at the NS1 protein hijacks the innate immune system of dendritic cells for an enhanced mammalian pathogenicity. Transboundary and Emerging Diseases, 2021, 68, 2401-2413.	3.0	9
54	H5N1 infection impairs the alveolar epithelial barrier through intercellular junction proteins via Itch-mediated proteasomal degradation. Communications Biology, 2022, 5, 186.	4.4	9

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55	Detection and typing of human-infecting influenza viruses in China by using a multiplex DNA biochip assay. Journal of Virological Methods, 2016, 234, 178-185.	2.1	8
56	Role of TGF-Î²-activated kinase 1 (TAK1) activation in H5N1 influenza A virus-induced c-Jun terminal kinase activation and virus replication. Virology, 2019, 537, 263-271.	2.4	8
57	Recombinant baculovirus vaccine expressing hemagglutinin of H7N9 avian influenza virus confers full protection against lethal highly pathogenic H7N9 virus infection in chickens. Archives of Virology, 2019, 164, 807-817.	2.1	8
58	H7N9 influenza virus-like particle based on BEVS protects chickens from lethal challenge with highly pathogenic H7N9 avian influenza virus. Veterinary Microbiology, 2021, 258, 109106.	1.9	8
59	Deep sequencing of the mouse lung transcriptome reveals distinct long non-coding RNAs expression associated with the high virulence of H5N1 avian influenza virus in mice. Virulence, 2018, 9, 1092-1111.	4.4	7
60	Glycosylation deletion of hemagglutinin head in the H5 subtype avian influenza virus enhances its virulence in mammals by inducing endoplasmic reticulum stress. Transboundary and Emerging Diseases, 2020, 67, 1492-1506.	3.0	7
61	Long noncoding RNA#45 exerts broad inhibitory effect on influenza a virus replication via its stem ring arms. Virulence, 2021, 12, 2443-2460.	4.4	7
62	Immunopotentiators Improve the Efficacy of Oil-Emulsion-Inactivated Avian Influenza Vaccine in Chickens, Ducks and Geese. PLoS ONE, 2016, 11, e0156573.	2.5	7
63	Phylogenetic tracing and biological characterization of a novel clade 2.3.2.1 reassortant of H5N6 subtype avian influenza virus in China. Transboundary and Emerging Diseases, 2021, 68, 730-741.	3.0	6
64	Development of an Inactivated H7N9 Subtype Avian Influenza Serological DIVA Vaccine Using the Chimeric HA Epitope Approach. Microbiology Spectrum, 2021, 9, e0068721.	3.0	6
65	Single Dose of Bivalent H5 and H7 Influenza Virus-Like Particle Protects Chickens Against Highly Pathogenic H5N1 and H7N9 Avian Influenza Viruses. Frontiers in Veterinary Science, 2021, 8, 774630.	2.2	6
66	Recombinant Fowlpox Virus Expressing gB Gene from Predominantly Epidemic Infectious Larygnotracheitis Virus Strain Demonstrates Better Immune Protection in SPF Chickens. Vaccines, 2020, 8, 623.	4.4	5
67	Truncation or Deglycosylation of the Neuraminidase Stalk Enhances the Pathogenicity of the H5N1 Subtype Avian Influenza Virus in Mallard Ducks. Frontiers in Microbiology, 2020, 11, 583588.	3.5	5
68	A Live Attenuated H9N2 Avian Influenza Vaccine Prevents the Viral Reassortment by Exchanging the HA and NS1 Packaging Signals. Frontiers in Microbiology, 2020, 11, 613437.	3.5	5
69	Biosafety of human environments can be supported by effective use of renewable biomass. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	5
70	Development of a multiplex probe combination-based one-step real-time reverse transcription-PCR for NA subtype typing of avian influenza virus. Scientific Reports, 2017, 7, 13455.	3.3	4
71	Substitutions in the PB2 methionine 283 residue affect H5 subtype avian influenza virus virulence. Transboundary and Emerging Diseases, 2020, 67, 2554-2563.	3.0	4
72	Pathogenicity and transmissibility of clade 2.3.4.4 highly pathogenic avian influenza virus subtype H5N6 in pigeons. Veterinary Microbiology, 2020, 247, 108776.	1.9	4

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73	Mutations during the adaptation of H7N9 avian influenza virus to mice lungs enhance human-like sialic acid binding activity and virulence in mice. Veterinary Microbiology, 2021, 254, 109000.	1.9	4
74	Rapid and Accurate Antibiotic Susceptibility Determination of <i>tet</i> (X)-Positive E. coli Using RNA Biomarkers. Microbiology Spectrum, 2021, 9, e0064821.	3.0	4
75	Riboflavin as a Mucosal Adjuvant for Nasal Influenza Vaccine. Vaccines, 2021, 9, 1296.	4.4	4
76	Baculovirus-derived influenza virus-like particle confers complete protection against lethal H7N9 avian influenza virus challenge in chickens and mice. Veterinary Microbiology, 2022, 264, 109306.	1.9	4
77	Rapid Detection of MCR-Mediated Colistin Resistance in Escherichia coli. Microbiology Spectrum, 2022, 10, .	3.0	4
78	Deep sequencing of the transcriptome from murine lung infected with H5N8 subtype avian influenza virus with combined substitutions I283M and K526R in PB2 gene. Infection, Genetics and Evolution, 2021, 87, 104672.	2.3	3
79	Phylogenetic and phenotypic characterization of two novel clade 2.3.2.1 H5N2 subtype avian influenza viruses from chickens in China. Infection, Genetics and Evolution, 2022, 98, 105205.	2.3	3
80	Previously Unrecognized Nonreproducible Antibodyâ€“Probe Interactions. Analytical Chemistry, 2022, 94, 1974-1982.	6.5	3
81	Emerging of H5N6 Subtype Influenza Virus with 129-Glycosylation Site on Hemagglutinin in Poultry in China Acquires Immune Pressure Adaption. Microbiology Spectrum, 2022, 10, e0253721.	3.0	3
82	The virulence factor PA protein of highly pathogenic H5N1 avian influenza virus inhibits NF-ÎºB transcription in vitro. Archives of Virology, 2017, 162, 3517-3522.	2.1	2
83	Residue L193P Mutant of RpoS Affects Its Activity During Biofilm Formation in Salmonella Pullorum. Frontiers in Veterinary Science, 2020, 7, 571361.	2.2	2
84	Effects of HA2 154 deglycosylation and NA V202I mutation on biological property of H5N6 subtype avian influenza virus. Veterinary Microbiology, 2022, 266, 109353.	1.9	2
85	Generation of an avian influenza DIVA vaccine with a H3-peptide replacement located at HA2 against both highly and low pathogenic H7N9 virus. Virulence, 2022, 13, 530-541.	4.4	2
86	The Packaging Regions of G1-Like PB2 Gene Contribute to Improving the Survival Advantage of Genotype S H9N2 Virus in China. Frontiers in Microbiology, 2021, 12, 655057.	3.5	1
87	G1-like PB2 gene improves virus replication and competitive advantage of H9N2 virus. Virus Genes, 2021, 57, 521-528.	1.6	1
88	Identification of a universal antigen epitope of influenza A virus using peptide microarray. BMC Veterinary Research, 2021, 17, 22.	1.9	1
89	G1-like M and PB2 genes are preferentially incorporated into H7N9 progeny virions during genetic reassortment. BMC Veterinary Research, 2021, 17, 80.	1.9	0