Guohua Deng

List of Publications by Year
in descending order

50 papers	4,180 citations	186265 28 h-index	189892 50 g-index
50 all docs	50 docs citations	50 times ranked	2553 citing authors

#	Article	IF	Citations
1	Molecular Basis of Replication of Duck H5N1 Influenza Viruses in a Mammalian Mouse Model. Journal of Virology, 2005, 79, 12058-12064.	3.4	539
2	A Single-Amino-Acid Substitution in the NS1 Protein Changes the Pathogenicity of H5N1 Avian Influenza Viruses in Mice. Journal of Virology, 2008, 82, 1146-1154.	3.4	393
3	H7N9 Influenza Viruses Are Transmissible in Ferrets by Respiratory Droplet. Science, 2013, 341, 410-414.	12.6	379
4	Identification of Amino Acids in HA and PB2 Critical for the Transmission of H5N1 Avian Influenza Viruses in a Mammalian Host. PLoS Pathogens, 2009, 5, e1000709.	4.7	351
5	Genetics, Receptor Binding Property, and Transmissibility in Mammals of Naturally Isolated H9N2 Avian Influenza Viruses. PLoS Pathogens, 2014, 10, e1004508.	4.7	241
6	H5N1 Hybrid Viruses Bearing 2009/H1N1 Virus Genes Transmit in Guinea Pigs by Respiratory Droplet. Science, 2013, 340, 1459-1463.	12.6	215
7	H7N9 virulent mutants detected in chickens in China pose an increased threat to humans. Cell Research, 2017, 27, 1409-1421.	12.0	209
8	Rapid Evolution of H7N9 Highly Pathogenic Viruses that Emerged in China in 2017. Cell Host and Microbe, 2018, 24, 558-568.e7.	11.0	200
9	Isolation and characterization of H7N9 viruses from live poultry markets â€" Implication of the source of current H7N9 infection in humans. Science Bulletin, 2013, 58, 1857-1863.	1.7	135
10	Vaccination of poultry successfully eliminated human infection with H7N9 virus in China. Science China Life Sciences, 2018, 61, 1465-1473.	4.9	119
11	The PA Protein Directly Contributes to the Virulence of H5N1 Avian Influenza Viruses in Domestic Ducks. Journal of Virology, 2011, 85, 2180-2188.	3.4	106
12	H6 Influenza Viruses Pose a Potential Threat to Human Health. Journal of Virology, 2014, 88, 3953-3964.	3.4	89
13	Complex Reassortment of Multiple Subtypes of Avian Influenza Viruses in Domestic Ducks at the Dongting Lake Region of China. Journal of Virology, 2013, 87, 9452-9462.	3.4	80
14	Phospholipid scramblase 1 interacts with influenza A virus NP, impairing its nuclear import and thereby suppressing virus replication. PLoS Pathogens, 2018, 14, e1006851.	4.7	76
15	Low Polymerase Activity Attributed to PA Drives the Acquisition of the PB2 E627K Mutation of H7N9 Avian Influenza Virus in Mammals. MBio, 2019, 10, .	4.1	67
16	Global dissemination of H5N1 influenza viruses bearing the clade 2.3.4.4b HA gene and biologic analysis of the ones detected in China. Emerging Microbes and Infections, 2022, 11, 1693-1704.	6.5	60
17	Glycine at Position 622 in PB1 Contributes to the Virulence of H5N1 Avian Influenza Virus in Mice. Journal of Virology, 2016, 90, 1872-1879.	3.4	59
18	Genetic and biological properties of H7N9 avian influenza viruses detected after application of the H7N9 poultry vaccine in China. PLoS Pathogens, 2021, 17, e1009561.	4.7	58

#	Article	IF	Citations
19	Genetic and biological characteristics of the globally circulating H5N8 avian influenza viruses and the protective efficacy offered by the poultry vaccine currently used in China. Science China Life Sciences, 2022, 65, 795-808.	4.9	52
20	Novel H5N6 reassortants bearing the clade 2.3.4.4b HA gene of H5N8 virus have been detected in poultry and caused multiple human infections in China. Emerging Microbes and Infections, 2022, 11, 1174-1185.	6.5	51
21	Evolution and extensive reassortment of H5 influenza viruses isolated from wild birds in China over the past decade. Emerging Microbes and Infections, 2020, 9, 1793-1803.	6.5	47
22	The G Protein-Coupled Receptor FFAR2 Promotes Internalization during Influenza A Virus Entry. Journal of Virology, 2020, 94, .	3.4	45
23	H7N9 virus infection triggers lethal cytokine storm by activating gasdermin E-mediated pyroptosis of lung alveolar epithelial cells. National Science Review, 2022, 9, nwab137.	9.5	45
24	Genetics, Receptor Binding, and Virulence in Mice of H10N8 Influenza Viruses Isolated from Ducks and Chickens in Live Poultry Markets in China. Journal of Virology, 2015, 89, 6506-6510.	3.4	43
25	Genetics, Receptor Binding, Replication, and Mammalian Transmission of H4 Avian Influenza Viruses Isolated from Live Poultry Markets in China. Journal of Virology, 2016, 90, 1455-1469.	3.4	43
26	Identification of Key Amino Acids in the PB2 and M1 Proteins of H7N9 Influenza Virus That Affect Its Transmission in Guinea Pigs. Journal of Virology, 2019, 94, .	3.4	41
27	A Novel Intronic Circular RNA Antagonizes Influenza Virus by Absorbing a microRNA That Degrades CREBBP and Accelerating IFN-Î² Production. MBio, 2021, 12, e0101721.	4.1	40
28	Amino Acid Mutations A286V and T437M in the Nucleoprotein Attenuate H7N9 Viruses in Mice. Journal of Virology, 2020, 94, .	3.4	33
29	H3N2 avian influenza viruses detected in live poultry markets in China bind to human-type receptors and transmit in guinea pigs and ferrets. Emerging Microbes and Infections, 2019, 8, 1280-1290.	6.5	32
30	Protective Efficacy of an H5N1 Inactivated Vaccine Against Challenge with Lethal H5N1, H5N2, H5N6, and H5N8 Influenza Viruses in Chickens. Avian Diseases, 2016, 60, 253-255.	1.0	28
31	Pandemic threat posed by H3N2 avian influenza virus. Science China Life Sciences, 2021, 64, 1984-1987.	4.9	28
32	Molecular characterization, receptor binding property, and replication in chickens and mice of H9N2 avian influenza viruses isolated from chickens, peafowls, and wild birds in eastern China. Emerging Microbes and Infections, 2021, 10, 2098-2112.	6.5	28
33	Characterization of Clade 7.2 H5 Avian Influenza Viruses That Continue To Circulate in Chickens in China. Journal of Virology, 2016, 90, 9797-9805.	3.4	26
34	Characterization of avian influenza H5N3 reassortants isolated from migratory waterfowl and domestic ducks in China from 2015 to 2018. Transboundary and Emerging Diseases, 2019, 66, 2605-2610.	3.0	25
35	A live attenuated vaccine prevents replication and transmission of H7N9 virus in mammals. Scientific Reports, 2015, 5, 11233.	3.3	22
36	Identification of a key amino acid in hemagglutinin that increases human-type receptor binding and transmission of an H6N2 avian influenzaÂvirus. Microbes and Infection, 2017, 19, 655-660.	1.9	22

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37	PIAS1-mediated SUMOylation of influenza A virus PB2 restricts viral replication and virulence. PLoS Pathogens, 2022, 18, e1010446.	4.7	21
38	Viral RNA-binding ability conferred by SUMOylation at PB1 K612 of influenza A virus is essential for viral pathogenesis and transmission. PLoS Pathogens, 2021, 17, e1009336.	4.7	18
39	Insights from avian influenza surveillance of chickens and ducks before and after exposure to live poultry markets. Science China Life Sciences, 2019, 62, 854-857.	4.9	16
40	A live attenuated vaccine prevents replication and transmission of H7N9 highly pathogenic influenza viruses in mammals. Emerging Microbes and Infections, 2018, 7, 1-10.	6.5	13
41	A single-amino-acid mutation at position 225 in hemagglutinin attenuates H5N6 influenza virus in mice. Emerging Microbes and Infections, 2021, 10, 2052-2061.	6.5	13
42	Protective Efficacy of the Inactivated H5N1 Influenza Vaccine Re-6 Against Different Clades of H5N1 Viruses Isolated in China and the Democratic People's Republic of Korea. Avian Diseases, 2016, 60, 238-240.	1.0	11
43	Development of a duplex TaqMan real-time RT-PCR assay for simultaneous detection of newly emerged H5N6 influenza viruses. Virology Journal, 2019, 16, 119.	3.4	11
44	SUMOylation of Matrix Protein M1 and Filamentous Morphology Collectively Contribute to the Replication and Virulence of Highly Pathogenic H5N1 Avian Influenza Viruses in Mammals. Journal of Virology, 2022, 96, JVI0163021.	3.4	11
45	Novel Influenza A(H7N2) Virus in Chickens, Jilin Province, China, 2014. Emerging Infectious Diseases, 2014, 20, 1719-1722.	4.3	10
46	Continued evolution of H6 avian influenza viruses isolated from farms in China between 2014 and 2018. Transboundary and Emerging Diseases, 2022, 69, 2156-2172.	3.0	8
47	New influenza A(H7N7) viruses detected in live poultry markets in China. Virology, 2016, 499, 165-169.	2.4	6
48	Protective efficacy in farmed ducks of a duck enteritis virus-vectored vaccine against H5N1, H5N6, and H5N8 avian influenza viruses. Vaccine, 2019, 37, 5925-5929.	3.8	6
49	Novel H7N7 avian influenza viruses detected in migratory wild birds in eastern China between 2018 and 2020. Microbes and Infection, 2022, 24, 105013.	1.9	6
50	Detection of reassortant avian influenza A (H11N9) virus in wild birds in China. Transboundary and Emerging Diseases, 2019, 66, 1142-1157.	3.0	3