

# Guohua Deng

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | H7N9 virus infection triggers lethal cytokine storm by activating gasdermin E-mediated pyroptosis of lung alveolar epithelial cells. <i>National Science Review</i> , 2022, 9, nwab137.   | 9.5 | 45        |
| 2  | Continued evolution of H6 avian influenza viruses isolated from farms in China between 2014 and 2018. <i>Transboundary and Emerging Diseases</i> , 2022, 69, 2156-2172.   | 3.0 | 8         |
| 3  | 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. <i>Science China Life Sciences</i> , 2022, 65, 795-808.                   | 4.9 | 52        |
| 4  | SUMOylation of Matrix Protein M1 and Filamentous Morphology Collectively Contribute to the Replication and Virulence of Highly Pathogenic H5N1 Avian Influenza Viruses in Mammals. <i>Journal of Virology</i> , 2022, 96, JVI0163021.                         | 3.4 | 11        |
| 5  | 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. <i>Emerging Microbes and Infections</i> , 2022, 11, 1174-1185.  | 6.5 | 51        |
| 6  | PIAS1-mediated SUMOylation of influenza A virus PB2 restricts viral replication and virulence. <i>PLoS Pathogens</i> , 2022, 18, e1010446.  | 4.7 | 21        |
| 7  | Novel H7N7 avian influenza viruses detected in migratory wild birds in eastern China between 2018 and 2020. <i>Microbes and Infection</i> , 2022, 24, 105013.   | 1.9 | 6         |
| 8  | Global dissemination of H5N1 influenza viruses bearing the clade 2.3.4.4b HA gene and biologic analysis of the ones detected in China. <i>Emerging Microbes and Infections</i> , 2022, 11, 1693-1704.   | 6.5 | 60        |
| 9  | Viral RNA-binding ability conferred by SUMOylation at PB1 K612 of influenza A virus is essential for viral pathogenesis and transmission. <i>PLoS Pathogens</i> , 2021, 17, e1009336.   | 4.7 | 18        |
| 10 | Pandemic threat posed by H3N2 avian influenza virus. <i>Science China Life Sciences</i> , 2021, 64, 1984-1987.  | 4.9 | 28        |
| 11 | Genetic and biological properties of H7N9 avian influenza viruses detected after application of the H7N9 poultry vaccine in China. <i>PLoS Pathogens</i> , 2021, 17, e1009561.  | 4.7 | 58        |
| 12 | A Novel Intronic Circular RNA Antagonizes Influenza Virus by Absorbing a microRNA That Degrades CREBBP and Accelerating IFN- $\beta$ Production. <i>MBio</i> , 2021, 12, e0101721.  | 4.1 | 40        |
| 13 | A single-amino-acid mutation at position 225 in hemagglutinin attenuates H5N6 influenza virus in mice. <i>Emerging Microbes and Infections</i> , 2021, 10, 2052-2061.   | 6.5 | 13        |
| 14 | 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. <i>Emerging Microbes and Infections</i> , 2021, 10, 2098-2112. | 6.5 | 28        |
| 15 | Amino Acid Mutations A286V and T437M in the Nucleoprotein Attenuate H7N9 Viruses in Mice. <i>Journal of Virology</i> , 2020, 94, .  | 3.4 | 33        |
| 16 | Evolution and extensive reassortment of H5 influenza viruses isolated from wild birds in China over the past decade. <i>Emerging Microbes and Infections</i> , 2020, 9, 1793-1803.  | 6.5 | 47        |
| 17 | The G Protein-Coupled Receptor FFAR2 Promotes Internalization during Influenza A Virus Entry. <i>Journal of Virology</i> , 2020, 94, .  | 3.4 | 45        |
| 18 | Characterization of avian influenza H5N3 reassortants isolated from migratory waterfowl and domestic ducks in China from 2015 to 2018. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 2605-2610.  | 3.0 | 25        |

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|----|---|------|-----------|
| 19 | Identification of Key Amino Acids in the PB2 and M1 Proteins of H7N9 Influenza Virus That Affect Its Transmission in Guinea Pigs. <i>Journal of Virology</i> , 2019, 94, .  | 3.4  | 41        |
| 20 | Development of a duplex TaqMan real-time RT-PCR assay for simultaneous detection of newly emerged H5N6 influenza viruses. <i>Virology Journal</i> , 2019, 16, 119.  | 3.4  | 11        |
| 21 | H3N2 avian influenza viruses detected in live poultry markets in China bind to human-type receptors and transmit in guinea pigs and ferrets. <i>Emerging Microbes and Infections</i> , 2019, 8, 1280-1290.              | 6.5  | 32        |
| 22 | Protective efficacy in farmed ducks of a duck enteritis virus-vectored vaccine against H5N1, H5N6, and H5N8 avian influenza viruses. <i>Vaccine</i> , 2019, 37, 5925-5929.  | 3.8  | 6         |
| 23 | Low Polymerase Activity Attributed to PA Drives the Acquisition of the PB2 E627K Mutation of H7N9 Avian Influenza Virus in Mammals. <i>MBio</i> , 2019, 10, .   | 4.1  | 67        |
| 24 | Insights from avian influenza surveillance of chickens and ducks before and after exposure to live poultry markets. <i>Science China Life Sciences</i> , 2019, 62, 854-857.   | 4.9  | 16        |
| 25 | Detection of reassortant avian influenza A (H11N9) virus in wild birds in China. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1142-1157.  | 3.0  | 3         |
| 26 | Vaccination of poultry successfully eliminated human infection with H7N9 virus in China. <i>Science China Life Sciences</i> , 2018, 61, 1465-1473.  | 4.9  | 119       |
| 27 | Rapid Evolution of H7N9 Highly Pathogenic Viruses that Emerged in China in 2017. <i>Cell Host and Microbe</i> , 2018, 24, 558-568.e7.   | 11.0 | 200       |
| 28 | A live attenuated vaccine prevents replication and transmission of H7N9 highly pathogenic influenza viruses in mammals. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-10.  | 6.5  | 13        |
| 29 | Phospholipid scramblase 1 interacts with influenza A virus NP, impairing its nuclear import and thereby suppressing virus replication. <i>PLoS Pathogens</i> , 2018, 14, e1006851.                                      | 4.7  | 76        |
| 30 | Identification of a key amino acid in hemagglutinin that increases human-type receptor binding and transmission of an H6N2 avian influenza virus. <i>Microbes and Infection</i> , 2017, 19, 655-660.                    | 1.9  | 22        |
| 31 | H7N9 virulent mutants detected in chickens in China pose an increased threat to humans. <i>Cell Research</i> , 2017, 27, 1409-1421.   | 12.0 | 209       |
| 32 | Characterization of Clade 7.2 H5 Avian Influenza Viruses That Continue To Circulate in Chickens in China. <i>Journal of Virology</i> , 2016, 90, 9797-9805.   | 3.4  | 26        |
| 33 | New influenza A(H7N7) viruses detected in live poultry markets in China. <i>Virology</i> , 2016, 499, 165-169.  | 2.4  | 6         |
| 34 | 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. <i>Avian Diseases</i> , 2016, 60, 238-240. | 1.0  | 11        |
| 35 | Protective Efficacy of an H5N1 Inactivated Vaccine Against Challenge with Lethal H5N1, H5N2, H5N6, and H5N8 Influenza Viruses in Chickens. <i>Avian Diseases</i> , 2016, 60, 253-255.                                   | 1.0  | 28        |
| 36 | Glycine at Position 622 in PB1 Contributes to the Virulence of H5N1 Avian Influenza Virus in Mice. <i>Journal of Virology</i> , 2016, 90, 1872-1879.  | 3.4  | 59        |

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|----|---|------|-----------|
| 37 | Genetics, Receptor Binding, Replication, and Mammalian Transmission of H4 Avian Influenza Viruses Isolated from Live Poultry Markets in China. <i>Journal of Virology</i> , 2016, 90, 1455-1469.  | 3.4  | 43        |
| 38 | A live attenuated vaccine prevents replication and transmission of H7N9 virus in mammals. <i>Scientific Reports</i> , 2015, 5, 11233.   | 3.3  | 22        |
| 39 | Genetics, Receptor Binding, and Virulence in Mice of H10N8 Influenza Viruses Isolated from Ducks and Chickens in Live Poultry Markets in China. <i>Journal of Virology</i> , 2015, 89, 6506-6510. | 3.4  | 43        |
| 40 | Novel Influenza A(H7N2) Virus in Chickens, Jilin Province, China, 2014. <i>Emerging Infectious Diseases</i> , 2014, 20, 1719-1722.  | 4.3  | 10        |
| 41 | H6 Influenza Viruses Pose a Potential Threat to Human Health. <i>Journal of Virology</i> , 2014, 88, 3953-3964.   | 3.4  | 89        |
| 42 | Genetics, Receptor Binding Property, and Transmissibility in Mammals of Naturally Isolated H9N2 Avian Influenza Viruses. <i>PLoS Pathogens</i> , 2014, 10, e1004508.                              | 4.7  | 241       |
| 43 | H5N1 Hybrid Viruses Bearing 2009/H1N1 Virus Genes Transmit in Guinea Pigs by Respiratory Droplet. <i>Science</i> , 2013, 340, 1459-1463.  | 12.6 | 215       |
| 44 | Isolation and characterization of H7N9 viruses from live poultry markets – Implication of the source of current H7N9 infection in humans. <i>Science Bulletin</i> , 2013, 58, 1857-1863.          | 1.7  | 135       |
| 45 | H7N9 Influenza Viruses Are Transmissible in Ferrets by Respiratory Droplet. <i>Science</i> , 2013, 341, 410-414.  | 12.6 | 379       |
| 46 | Complex Reassortment of Multiple Subtypes of Avian Influenza Viruses in Domestic Ducks at the Dongting Lake Region of China. <i>Journal of Virology</i> , 2013, 87, 9452-9462.                    | 3.4  | 80        |
| 47 | The PA Protein Directly Contributes to the Virulence of H5N1 Avian Influenza Viruses in Domestic Ducks. <i>Journal of Virology</i> , 2011, 85, 2180-2188.   | 3.4  | 106       |
| 48 | Identification of Amino Acids in HA and PB2 Critical for the Transmission of H5N1 Avian Influenza Viruses in a Mammalian Host. <i>PLoS Pathogens</i> , 2009, 5, e1000709.                         | 4.7  | 351       |
| 49 | A Single-Amino-Acid Substitution in the NS1 Protein Changes the Pathogenicity of H5N1 Avian Influenza Viruses in Mice. <i>Journal of Virology</i> , 2008, 82, 1146-1154.                          | 3.4  | 393       |
| 50 | Molecular Basis of Replication of Duck H5N1 Influenza Viruses in a Mammalian Mouse Model. <i>Journal of Virology</i> , 2005, 79, 12058-12064.   | 3.4  | 539       |