

# Huaiyu Tian

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

5,821  
citations

331259

21  
h-index

288905

40  
g-index

49  
all docs

49  
docs citations

49  
times ranked

9287  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of human mobility and control measures on the COVID-19 epidemic in China. <i>Science</i> , 2020, 368, 493-497.	6.0	2,168
2	An investigation of transmission control measures during the first 50 days of the COVID-19 epidemic in China. <i>Science</i> , 2020, 368, 638-642.	6.0	1,554
3	Reduction of secondary transmission of SARS-CoV-2 in households by face mask use, disinfection and social distancing: a cohort study in Beijing, China. <i>BMJ Global Health</i> , 2020, 5, e002794.	2.0	382
4	Crowding and the shape of COVID-19 epidemics. <i>Nature Medicine</i> , 2020, 26, 1829-1834.	15.2	204
5	Modelling COVID-19. <i>Nature Reviews Physics</i> , 2020, 2, 279-281.	11.9	174
6	Avian influenza H5N1 viral and bird migration networks in Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 172-177.	3.3	169
7	Human Infection with Influenza Virus A(H10N8) from Live Poultry Markets, China, 2014. <i>Emerging Infectious Diseases</i> , 2014, 20, 2076-9.	2.0	94
8	Increasing airline travel may facilitate co-circulation of multiple dengue virus serotypes in Asia. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005694.	1.3	86
9	Urbanization prolongs hantavirus epidemics in cities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4707-4712.	3.3	72
10	Interannual cycles of Hantaan virus outbreaks at the human-animal interface in Central China are controlled by temperature and rainfall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8041-8046.	3.3	67
11	The ecological dynamics of hantavirus diseases: From environmental variability to disease prevention largely based on data from China. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0006901.	1.3	58
12	Normalized difference vegetation index dynamic and spatiotemporal distribution of migratory birds in the Poyang Lake wetland, China. <i>Ecological Indicators</i> , 2014, 47, 219-230.	2.6	57
13	Impact of global change on transmission of human infectious diseases. <i>Science China Earth Sciences</i> , 2014, 57, 189-203.	2.3	57
14	Assessing the role of live poultry trade in community-structured transmission of avian influenza in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5949-5954.	3.3	43
15	Anthropogenically driven environmental changes shift the ecological dynamics of hemorrhagic fever with renal syndrome. <i>PLoS Pathogens</i> , 2017, 13, e1006198.	2.1	41
16	Impacts of Road Traffic Network and Socioeconomic Factors on the Diffusion of 2009 Pandemic Influenza A (H1N1) in Mainland China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1223.	1.2	35
17	Associations between changes in population mobility in response to the COVID-19 pandemic and socioeconomic factors at the city level in China and country level worldwide: a retrospective, observational study. <i>The Lancet Digital Health</i> , 2021, 3, e349-e359.	5.9	35
18	Association between coronavirus disease 2019 (COVID-19) and long-term exposure to air pollution: Evidence from the first epidemic wave in China. <i>Environmental Pollution</i> , 2021, 276, 116682.	3.7	33

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19	Surface water areas significantly impacted 2014 dengue outbreaks in Guangzhou, China. <i>Environmental Research</i> , 2016, 150, 299-305.	3.7	29
20	Ecology and geography of hemorrhagic fever with renal syndrome in Changsha, China. <i>BMC Infectious Diseases</i> , 2013, 13, 305.	1.3	27
21	Landscape and rodent community composition are associated with risk of hemorrhagic fever with renal syndrome in two cities in China, 2006–2013. <i>BMC Infectious Diseases</i> , 2018, 18, 37.	1.3	24
22	Climate change suggests a shift of H5N1 risk in migratory birds. <i>Ecological Modelling</i> , 2015, 306, 6-15.	1.2	23
23	Migratory Whooper Swans <i>Cygnus cygnus</i> Transmit H5N1 Virus between China and Mongolia: Combination Evidence from Satellite Tracking and Phylogenetics Analysis. <i>Scientific Reports</i> , 2018, 8, 7049.	1.6	23
24	Analysis of an Outbreak of Hemorrhagic Fever with Renal Syndrome in College Students in Xi'an, China. <i>Viruses</i> , 2014, 6, 507-515.	1.5	22
25	Spatial heterogeneity of hemorrhagic fever with renal syndrome is driven by environmental factors and rodent community composition. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006881.	1.3	20
26	Contrasting effects of host species and phylogenetic diversity on the occurrence of HPAI H5N1 in European wild birds. <i>Journal of Animal Ecology</i> , 2019, 88, 1044-1053.	1.3	20
27	Spatial, temporal and genetic dynamics of highly pathogenic avian influenza A (H5N1) virus in China. <i>BMC Infectious Diseases</i> , 2015, 15, 54.	1.3	19
28	A follow-up study shows that recovered patients with re-positive PCR test in Wuhan may not be infectious. <i>BMC Medicine</i> , 2021, 19, 77.	2.3	19
29	Time-Specific Ecologic Niche Models Forecast the Risk of Hemorrhagic Fever with Renal Syndrome in Dongting Lake District, China, 2005–2010. <i>PLoS ONE</i> , 2014, 9, e106839.	1.1	15
30	Intrinsic and extrinsic drivers of transmission dynamics of hemorrhagic fever with renal syndrome caused by Seoul hantavirus. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007757.	1.3	15
31	Re-emerging of rabies in Shaanxi province, China, from 2009 to 2015. <i>Journal of Medical Virology</i> , 2017, 89, 1511-1519.	2.5	13
32	New evidence for the east–west spread of the highly pathogenic avian influenza H5N1 virus between Central Asian and east Asian-Australasian flyways in China. <i>Emerging Microbes and Infections</i> , 2019, 8, 823-826.	3.0	11
33	Evaluating the effectiveness of control measures in multiple regions during the early phase of the COVID-19 pandemic in 2020. <i>Biosafety and Health</i> , 2021, 3, 264-275.	1.2	11
34	Assessing the impact of COVID-19 border restrictions on dengue transmission in Yunnan Province, China: an observational epidemiological and phylogenetic analysis. <i>The Lancet Regional Health - Western Pacific</i> , 2021, 14, 100259.	1.3	11
35	Persistence and transmission of avian influenza A (H5N1): virus movement, risk factors and pandemic potential. <i>Annals of GIS</i> , 2015, 21, 55-68.	1.4	8
36	Genetic evidence for avian influenza H5N1 viral transmission along the Black Sea–Mediterranean Flyway. <i>Journal of General Virology</i> , 2016, 97, 2129-2134.	1.3	8

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37	Using Satellite Data for the Characterization of Local Animal Reservoir Populations of Hantaan Virus on the Weihe Plain, China. <i>Remote Sensing</i> , 2017, 9, 1076.	1.8	7
38	Risk analysis of H5N1 highly pathogenic avian influenza in poultry at the Poyang Lake area, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	4
39	Population serology for SARS-CoV-2 is essential to regional and global preparedness. <i>Lancet Microbe</i> , The, 2020, 1, e94.	3.4	4
40	The ecological dynamics of the coronavirus epidemics during transmission from outside sources when R 0 is successfully managed below one. <i>Royal Society Open Science</i> , 2021, 8, 202234.	1.1	2
41	Anthropogenic factors and societal response to challenges in the transmission of highly pathogenic avian influenza A (H5N1). <i>Annals of GIS</i> , 2015, 21, 149-156.	1.4	1