

Sheng-jie Lai

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

6,672
citations

125106

35
h-index

90395

73
g-index

116
all docs

116
docs citations

116
times ranked

9166
citing authors

#	ARTICLE	IF	CITATIONS
1	Serological Evidence of Human Infection With Avian Influenza A(H7N9) Virus: A Systematic Review and Meta-analysis. <i>Journal of Infectious Diseases</i> , 2022, 226, 70-82.	1.9	3
2	Risk of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmission Among Air Passengers in China. <i>Clinical Infectious Diseases</i> , 2022, 75, e234-e240.	2.9	7
3	Human mobility models reveal the underlying mechanism of seasonal movements across China. <i>International Journal of Modern Physics C</i> , 2022, 33, .	0.8	4
4	Impacts of worldwide individual non-pharmaceutical interventions on COVID-19 transmission across waves and space. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 106, 102649.	1.4	38
5	Global holiday datasets for understanding seasonal human mobility and population dynamics. <i>Scientific Data</i> , 2022, 9, 17.	2.4	11
6	Influenzaâ€™s plummeting during the COVID-19 pandemic: The roles of mask-wearing, mobility change, and SARS-CoV-2 interference. <i>Engineering</i> , 2022, , .	3.2	4
7	Who and which regions are at high risk of returning to poverty during the COVID-19 pandemic?. <i>Humanities and Social Sciences Communications</i> , 2022, 9, .	1.3	6
8	Untangling the changing impact of non-pharmaceutical interventions and vaccination on European COVID-19 trajectories. <i>Nature Communications</i> , 2022, 13, .	5.8	59
9	Risk of Coronavirus Disease 2019 Transmission in Train Passengers: an Epidemiological and Modeling Study. <i>Clinical Infectious Diseases</i> , 2021, 72, 604-610.	2.9	195
10	Integrated vaccination and physical distancing interventions to prevent future COVID-19 waves in Chinese cities. <i>Nature Human Behaviour</i> , 2021, 5, 695-705.	6.2	111
11	Assessing Asymptomatic, Presymptomatic, and Symptomatic Transmission Risk of Severe Acute Respiratory Syndrome Coronavirus 2. <i>Clinical Infectious Diseases</i> , 2021, 73, e1314-e1320.	2.9	39
12	Seasonal association between viral causes of hospitalised acute lower respiratory infections and meteorological factors in China: a retrospective study. <i>Lancet Planetary Health</i> , The, 2021, 5, e154-e163.	5.1	45
13	Comprehensive large-scale nucleic acidâ€™testing strategies support Chinaâ€™s sustained containment of COVID-19. <i>Nature Medicine</i> , 2021, 27, 740-742.	15.2	75
14	Using Hawkes Processes to model imported and local malaria cases in near-elimination settings. <i>PLoS Computational Biology</i> , 2021, 17, e1008830.	1.5	8
15	Etiological, epidemiological, and clinical features of acute diarrhea in China. <i>Nature Communications</i> , 2021, 12, 2464.	5.8	75
16	Assessing the Effect of Global Travel and Contact Restrictions on Mitigating the COVID-19 Pandemic. <i>Engineering</i> , 2021, 7, 914-923.	3.2	18
17	Coronavirus disease 2019 outbreak in Beijingâ€™s Xinfadi Market, China: a modeling study to inform future resurgence response. <i>Infectious Diseases of Poverty</i> , 2021, 10, 62.	1.5	10
18	Impact of COVID-19 outbreaks and interventions on influenza in China and the United States. <i>Nature Communications</i> , 2021, 12, 3249.	5.8	148

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19	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. <i>Biological Conservation</i> , 2021, 263, 109175.	1.9	96
20	Untangling introductions and persistence in COVID-19 resurgence in Europe. <i>Nature</i> , 2021, 595, 713-717.	13.7	133
21	Practical geospatial and sociodemographic predictors of human mobility. <i>Scientific Reports</i> , 2021, 11, 15389.	1.6	5
22	A data driven agent-based model that recommends non-pharmaceutical interventions to suppress Coronavirus disease 2019 resurgence in megacities. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210112.	1.5	26
23	Mobility in China, 2020: a tale of four phases. <i>National Science Review</i> , 2021, 8, nwab148.	4.6	31
24	Etiological and epidemiological features of acute respiratory infections in China. <i>Nature Communications</i> , 2021, 12, 5026.	5.8	106
25	Human Brucellosis: An Ongoing Global Health Challenge. <i>China CDC Weekly</i> , 2021, 3, 120-123.	1.0	2
26	Rapid and sustained containment of covid-19 is achievable and worthwhile: implications for pandemic response. <i>BMJ</i> , The, 2021, 375, e066169.	3.0	21
27	The Incoming Influenza Season “China, the United Kingdom, and the United States, 2021”2022. <i>China CDC Weekly</i> , 2021, 3, 1039-1045.	1.0	15
28	The emergence, genomic diversity and global spread of SARS-CoV-2. <i>Nature</i> , 2021, 600, 408-418.	13.7	249
29	Spatial Lifecourse Epidemiology Reporting Standards (ISLE-ReSt) statement. <i>Health and Place</i> , 2020, 61, 102243.	1.5	57
30	Effect of non-pharmaceutical interventions to contain COVID-19 in China. <i>Nature</i> , 2020, 585, 410-413.	13.7	913
31	Assessing the impact of coordinated COVID-19 exit strategies across Europe. <i>Science</i> , 2020, 369, 1465-1470.	6.0	168
32	Serological evidence of human infections with highly pathogenic avian influenza A(H5N1) virus: a systematic review and meta-analysis. <i>BMC Medicine</i> , 2020, 18, 377.	2.3	14
33	Cold-chain food contamination as the possible origin of COVID-19 resurgence in Beijing. <i>National Science Review</i> , 2020, 7, 1861-1864.	4.6	175
34	Disease burden and clinical severity of the first pandemic wave of COVID-19 in Wuhan, China. <i>Nature Communications</i> , 2020, 11, 5411.	5.8	84
35	Tracking progress towards malaria elimination in China: Individual-level estimates of transmission and its spatiotemporal variation using a diffusion network approach. <i>PLoS Computational Biology</i> , 2020, 16, e1007707.	1.5	14
36	Spatial Lifecourse Epidemiology and Infectious Disease Research. <i>Trends in Parasitology</i> , 2020, 36, 235-238.	1.5	26

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37	Spatiotemporal and demographic characteristics of scrub typhus in Southwest China, 2006â€“2017: An analysis of populationâ€“based surveillance data. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 1585-1594.	1.3	9
38	Uncovering two phases of early intercontinental COVID-19 transmission dynamics. <i>Journal of Travel Medicine</i> , 2020, 27, .	1.4	28
39	Epidemiologic Changes of Scrub Typhus in China, 1952â€“2016. <i>Emerging Infectious Diseases</i> , 2020, 26, 1091-1101.	2.0	43
40	Risk mapping of scrub typhus infections in Qingdao city, China. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008757.	1.3	4
41	Prevalence of rotavirus and rapid changes in circulating rotavirus strains among children with acute diarrhea in China, 2009â€“2015. <i>Journal of Infection</i> , 2019, 78, 66-74.	1.7	43
42	The use of air travel data for predicting dengue importation to China: A modelling study. <i>Travel Medicine and Infectious Disease</i> , 2019, 31, 101446.	1.5	18
43	The epidemic potential of avian influenza A (H7N9) virus in humans in mainland China: A two-stage risk analysis. <i>PLoS ONE</i> , 2019, 14, e0215857.	1.1	4
44	Past and future spread of the arbovirus vectors <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . <i>Nature Microbiology</i> , 2019, 4, 854-863.	5.9	699
45	Inter-annual variation in seasonal dengue epidemics driven by multiple interacting factors in Guangzhou, China. <i>Nature Communications</i> , 2019, 10, 1148.	5.8	36
46	Measuring mobility, disease connectivity and individual risk: a review of using mobile phone data and mHealth for travel medicine. <i>Journal of Travel Medicine</i> , 2019, 26, .	1.4	64
47	Changing epidemiology and challenges of malaria in China towards elimination. <i>Malaria Journal</i> , 2019, 18, 107.	0.8	62
48	Patterns of human social contact and contact with animals in Shanghai, China. <i>Scientific Reports</i> , 2019, 9, 15141.	1.6	61
49	Exploring the use of mobile phone data for national migration statistics. <i>Palgrave Communications</i> , 2019, 5, .	4.7	55
50	Mosquito population dynamics during the construction of Three Gorges Dam in Yangtze River, China. <i>Acta Tropica</i> , 2018, 182, 251-256.	0.9	4
51	Exposure history, post-exposure prophylaxis use, and clinical characteristics of human rabies cases in China, 2006â€“2012. <i>Scientific Reports</i> , 2018, 8, 17188.	1.6	19
52	Clinical features of 2041 human brucellosis cases in China. <i>PLoS ONE</i> , 2018, 13, e0205500.	1.1	38
53	Seasonal and interannual risks of dengue introduction from South-East Asia into China, 2005-2015. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006743.	1.3	30
54	Changing Geographic Patterns and Risk Factors for Avian Influenza A(H7N9) Infections in Humans, China. <i>Emerging Infectious Diseases</i> , 2018, 24, 87-94.	2.0	37

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55	Modeling the Heterogeneity of Dengue Transmission in a City. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1128.	1.2	18
56	Mapping the distribution of tick-borne encephalitis in mainland China. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 631-639.	1.1	40
57	Surveillance and early warning systems of infectious disease in China: From 2012 to 2014. <i>International Journal of Health Planning and Management</i> , 2017, 32, 329-338.	0.7	34
58	Epidemiology of avian influenza A H7N9 virus in human beings across five epidemics in mainland China, 2013â€“17: an epidemiological study of laboratory-confirmed case series. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 822-832.	4.6	251
59	H7N9 and H5N1 avian influenza suitability models for China: accounting for new poultry and live-poultry markets distribution data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 393-402.	1.9	15
60	Viral pathogens among elderly people with acute respiratory infections in Shanghai, China: Preliminary results from a laboratoryâ€“based surveillance, 2012â€“2015. <i>Journal of Medical Virology</i> , 2017, 89, 1700-1706.	2.5	11
61	Changing Epidemiology of Human Brucellosis, China, 1955â€“2014. <i>Emerging Infectious Diseases</i> , 2017, 23, 184-194.	2.0	197
62	Etiology of acute diarrhea in the elderly in China: A six-year observational study. <i>PLoS ONE</i> , 2017, 12, e0173881.	1.1	21
63	Epidemiology of Human Anthrax in China, 1955â€“2014. <i>Emerging Infectious Diseases</i> , 2017, 23, 14-21.	2.0	19
64	Incidence of Norovirus-Associated Diarrhea, Shanghai, China, 2012â€“2013. <i>Emerging Infectious Diseases</i> , 2017, 23, 312-315.	2.0	9
65	Malaria in China, 2011â€“2015: an observational study. <i>Bulletin of the World Health Organization</i> , 2017, 95, 564-573.	1.5	26
66	Changing Epidemiology of Hepatitis A and Hepatitis E Viruses in China, 1990â€“2014. <i>Emerging Infectious Diseases</i> , 2017, 23, 276-279.	2.0	27
67	SCM: a practical tool to implement hospital-based syndromic surveillance. <i>BMC Research Notes</i> , 2016, 9, 315.	0.6	2
68	Mapping the Distribution of Anthrax in Mainland China, 2005â€“2013. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004637.	1.3	45
69	Risk assessment of malaria in land border regions of China in the context of malaria elimination. <i>Malaria Journal</i> , 2016, 15, 546.	0.8	23
70	Epidemic characteristics, high-risk townships and space-time clusters of human brucellosis in Shanxi Province of China, 2005â€“2014. <i>BMC Infectious Diseases</i> , 2016, 16, 760.	1.3	31
71	Global epidemiology of avian influenza A H5N1 virus infection in humans, 1997â€“2015: a systematic review of individual case data. <i>Lancet Infectious Diseases</i> , The, 2016, 16, e108-e118.	4.6	201
72	Hand, Foot, and Mouth Disease in China: Critical Community Size and Spatial Vaccination Strategies. <i>Scientific Reports</i> , 2016, 6, 25248.	1.6	15

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73	Spatiotemporal patterns of population in mainland China, 1990 to 2010. <i>Scientific Data</i> , 2016, 3, 160005.	2.4	115
74	<i>Plasmodium falciparum</i> malaria importation from Africa to China and its mortality: an analysis of driving factors. <i>Scientific Reports</i> , 2016, 6, 39524.	1.6	28
75	Comparative evaluation of the diagnosis, reporting and investigation of malaria cases in China, 2005–2014: transition from control to elimination for the national malaria programme. <i>Infectious Diseases of Poverty</i> , 2016, 5, 65.	1.5	13
76	Epidemiologic features of overseas imported malaria in the People's Republic of China. <i>Malaria Journal</i> , 2016, 15, 141.	0.8	48
77	Governmental supervision and rapid detection on dengue vectors: An important role for dengue control in China. <i>Acta Tropica</i> , 2016, 156, 17-21.	0.9	12
78	Clinical and Epidemiologic Characteristics of Hospitalized Patients with Laboratory-Confirmed Respiratory Syncytial Virus Infection in Eastern China between 2009 and 2013: A Retrospective Study. <i>PLoS ONE</i> , 2016, 11, e0165437.	1.1	24
79	The changing epidemiology of dengue in China, 1990-2014: a descriptive analysis of 25 years of nationwide surveillance data. <i>BMC Medicine</i> , 2015, 13, 100.	2.3	189
80	Etiology of diarrhea among children under the age five in China: Results from a five-year surveillance. <i>Journal of Infection</i> , 2015, 71, 19-27.	1.7	67
81	Malaria Imported from Ghana by Returning Gold Miners, China, 2013. <i>Emerging Infectious Diseases</i> , 2015, 21, 864-867.	2.0	36
82	Visualized Exploratory Spatiotemporal Analysis of Hand-Foot-Mouth Disease in Southern China. <i>PLoS ONE</i> , 2015, 10, e0143411.	1.1	18
83	Malaria Imported from Ghana by Returning Gold Miners, China, 2013. <i>Emerging Infectious Diseases</i> , 2015, 21, 864-867.	2.0	30
84	Evaluation of the Performance of a Dengue Outbreak Detection Tool for China. <i>PLoS ONE</i> , 2014, 9, e106144.	1.1	19
85	Hand, foot and mouth disease in China: evaluating an automated system for the detection of outbreaks. <i>Bulletin of the World Health Organization</i> , 2014, 92, 656-663.	1.5	17
86	Predicting the risk of avian influenza A H7N9 infection in live-poultry markets across Asia. <i>Nature Communications</i> , 2014, 5, 4116.	5.8	145
87	The epidemiology of <i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> malaria in China, 2004–2012: from intensified control to elimination. <i>Malaria Journal</i> , 2014, 13, 419.	0.8	42
88	Viral Etiologies of Hospitalized Acute Lower Respiratory Infection Patients in China, 2009-2013. <i>PLoS ONE</i> , 2014, 9, e99419.	1.1	84
89	Viral Agents Associated With Acute Diarrhea Among Outpatient Children in Southeastern China. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, e285-e290.	1.1	33
90	Improving the Performance of Outbreak Detection Algorithms by Classifying the Levels of Disease Incidence. <i>PLoS ONE</i> , 2013, 8, e71803.	1.1	14

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91	Adjusting outbreak detection algorithms for surveillance during epidemic and non-epidemic periods. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, e51-e53.	2.2	20
92	Determinants of the Incidence of Hand, Foot and Mouth Disease in China Using Geographically Weighted Regression Models. PLoS ONE, 2012, 7, e38978.	1.1	100
93	A spatial scan statistic for nonisotropic two-level risk cluster. Statistics in Medicine, 2012, 31, 177-187.	0.8	6
94	A spatial scan statistic for multiple clusters. Mathematical Biosciences, 2011, 233, 135-142.	0.9	27
95	Area Disease Estimation Based on Sentinel Hospital Records. PLoS ONE, 2011, 6, e23428.	1.1	36
96	Effectiveness of Contact Tracing, Mask Wearing and Prompt Testing on Suppressing COVID-19 Resurgences in Megacities: An Individual-Based Modelling Study. SSRN Electronic Journal, 0, , .	0.4	2