Haitian Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Preliminary estimation of the basic reproduction number of novel coronavirus (2019-nCoV) in China, from 2019 to 2020: A data-driven analysis in the early phase of the outbreak. International Journal of Infectious Diseases, 2020, 92, 214-217.	3.3	1,428
2	A conceptual model for the coronavirus disease 2019 (COVID-19) outbreak in Wuhan, China with individual reaction and governmental action. International Journal of Infectious Diseases, 2020, 93, 211-216.	3.3	859
3	Estimating the Unreported Number of Novel Coronavirus (2019-nCoV) Cases in China in the First Half of January 2020: A Data-Driven Modelling Analysis of the Early Outbreak. Journal of Clinical Medicine, 2020, 9, 388.	2.4	378
4	The relative transmissibility of asymptomatic COVID-19 infections among close contacts. International Journal of Infectious Diseases, 2020, 94, 145-147.	3.3	199
5	Epigenetic Silencing of miR-490-3p Reactivates the Chromatin Remodeler SMARCD1 to Promote <i>Helicobacter pylori</i> –Induced Gastric Carcinogenesis. Cancer Research, 2015, 75, 754-765.	0.9	115
6	Autophagy in sepsis: Degradation into exhaustion?. Autophagy, 2016, 12, 1073-1082.	9.1	111
7	The involvement of regulatory non-coding RNAs in sepsis: a systematic review. Critical Care, 2016, 20, 383.	5.8	79
8	Estimation of exponential growth rate and basic reproduction number of the coronavirus disease 2019 (COVID-19) in Africa. Infectious Diseases of Poverty, 2020, 9, 96.	3.7	79
9	Quantifying the transmission advantage associated with N501Y substitution of SARS-CoV-2 in the UK: an early data-driven analysis. Journal of Travel Medicine, 2021, 28, .	3.0	79
10	Bacteria pathogens drive host colonic epithelial cell promoter hypermethylation of tumor suppressor genes in colorectal cancer. Microbiome, 2020, 8, 108.	11.1	76
11	Quantifying the association between domestic travel and the exportation of novel coronavirus (2019-nCoV) cases from Wuhan, China in 2020: a correlational analysis. Journal of Travel Medicine, 2020, 27, .	3.0	71
12	Polygenic Analysis of Late-Onset Alzheimer's Disease from Mainland China. PLoS ONE, 2015, 10, e0144898.	2.5	66
13	Comparative Study of Food Allergies in Children from China, India, and Russia: The EuroPrevall-INCO Surveys. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1349-1358.e16.	3.8	60
14	Imitation dynamics in the mitigation of the novel coronavirus disease (COVID-19) outbreak in Wuhan, China from 2019 to 2020. Annals of Translational Medicine, 2020, 8, 448-448.	1.7	60
15	Statistical methods for genome-wide association studies. Seminars in Cancer Biology, 2019, 55, 53-60.	9.6	59
16	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. Epidemics, 2021, 36, 100482.	3.0	55
17	COVID-19 and gender-specific difference: Analysis of public surveillance data in Hong Kong and Shenzhen, China, from January 10 to February 15, 2020. Infection Control and Hospital Epidemiology, 2020, 41, 750-751.	1.8	53
18	Genomic and evolutionary comparison between SARS-CoV-2 and other human coronaviruses. Journal of Virological Methods, 2021, 289, 114032.	2.1	46

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19	Dietary intake of manganese and the risk of the metabolic syndrome in a Chinese population. British Journal of Nutrition, 2016, 116, 853-863.	2.3	45
20	Serial interval in determining the estimation of reproduction number of the novel coronavirus disease (COVID-19) during the early outbreak. Journal of Travel Medicine, 2020, 27, .	3.0	43
21	Interaction-based feature selection and classification for high-dimensional biological data. Bioinformatics, 2012, 28, 2834-2842.	4.1	39
22	Working toward precision medicine: Predicting phenotypes from exomes in the Critical Assessment of Genome Interpretation (CAGI) challenges. Human Mutation, 2017, 38, 1182-1192.	2.5	39
23	Identifying Meteorological Drivers for the Seasonal Variations of Influenza Infections in a Subtropical City — Hong Kong. International Journal of Environmental Research and Public Health, 2015, 12, 1560-1576.	2.6	35
24	A re-analysis in exploring the association between temperature and COVID-19 transmissibility: an ecological study with 154 Chinese cities. European Respiratory Journal, 2020, 56, 2001253.	6.7	34
25	Comprehensive molecular profiling of the B7 family of immune-regulatory ligands in breast cancer. Oncolmmunology, 2016, 5, e1207841.	4.6	33
26	Latitudes mediate the association between influenza activity and meteorological factors: A nationwide modelling analysis in 45 Japanese prefectures from 2000 to 2018. Science of the Total Environment, 2020, 703, 134727.	8.0	33
27	Epidemiological Parameters of COVID-19: Case Series Study. Journal of Medical Internet Research, 2020, 22, e19994.	4.3	33
28	Estimating the serial interval of the novel coronavirus disease (COVIDâ€19) based on the public surveillance data in Shenzhen, China, from 19 January to 22 February 2020. Transboundary and Emerging Diseases, 2020, 67, 2818-2822.	3.0	29
29	Rapid evaluation of COVID-19 vaccine effectiveness against symptomatic infection with SARS-CoV-2 variants by analysis of genetic distance. Nature Medicine, 2022, 28, 1715-1722.	30.7	29
30	Superspreading and heterogeneity in transmission of SARS, MERS, and COVID-19: A systematic review. Computational and Structural Biotechnology Journal, 2021, 19, 5039-5046.	4.1	28
31	The ambient ozone and COVID-19 transmissibility in China: A data-driven ecological study of 154 cities. Journal of Infection, 2020, 81, e9-e11.	3.3	27
32	MircoRNA-145 promotes activation of hepatic stellate cells via targeting krüppel-like factor 4. Scientific Reports, 2017, 7, 40468.	3.3	24
33	The basic reproduction number of novel coronavirus (2019-nCoV) estimation based on exponential growth in the early outbreak in China from 2019 to 2020: A reply to Dhungana. International Journal of Infectious Diseases, 2020, 94, 148-150.	3.3	24
34	Inflated type I error rates when using aggregation methods to analyze rare variants in the 1000 Genomes Project exon sequencing data in unrelated individuals: summary results from Group 7 at Genetic Analysis Workshop 17. Genetic Epidemiology, 2011, 35, S56-60.	1.3	23
35	Positive RT-PCR tests among discharged COVID-19 patients in Shenzhen, China. Infection Control and Hospital Epidemiology, 2020, 41, 1110-1112.	1.8	23
36	Inferencing superspreading potential using zero-truncated negative binomial model: exemplification with COVID-19. BMC Medical Research Methodology, 2021, 21, 30.	3.1	23

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37	A fast and powerful <i>W</i> -test for pairwise epistasis testing. Nucleic Acids Research, 2016, 44, e115-e115.	14.5	21
38	Identification of meteorological factors associated with human infection with avian influenza A H7N9 virus in Zhejiang Province, China. Science of the Total Environment, 2018, 644, 696-709.	8.0	21
39	Low dispersion in theÂinfectiousness of COVID-19 cases implies difficulty in control. BMC Public Health, 2020, 20, 1558.	2.9	21
40	Inferring the Association between the Risk of COVID-19 Case Fatality and N501Y Substitution in SARS-CoV-2. Viruses, 2021, 13, 638.	3.3	21
41	Epigenetic silencing of GDF1 disrupts SMAD signaling to reinforce gastric cancer development. Oncogene, 2016, 35, 2133-2144.	5.9	20
42	The prevalence of neck pain and associated risk factors among undergraduate students: A large-scale cross-sectional study. International Journal of Industrial Ergonomics, 2020, 76, 102934.	2.6	19
43	A global analysis of replacement of genetic variants of SARS-CoV-2 in association with containment capacity and changes in disease severity. Clinical Microbiology and Infection, 2021, 27, 750-757.	6.0	19
44	Mathematical modelling of the impact of treating latent tuberculosis infection in the elderly in a city with intermediate tuberculosis burden. Scientific Reports, 2019, 9, 4869.	3.3	18
45	Superspreading potential of COVID-19 outbreak seeded by Omicron variants of SARS-CoV-2 in Hong Kong. Journal of Travel Medicine, 2022, 29, .	3.0	17
46	Real-time estimation of the reproduction number of the novel coronavirus disease (COVID-19) in China in 2020 based on incidence data. Annals of Translational Medicine, 2020, 8, 689-689.	1.7	15
47	Mucosal Antibody Response to SARS-CoV-2 in Paediatric and Adult Patients: A Longitudinal Study. Pathogens, 2022, 11, 397.	2.8	15
48	Interpreting the transmissibility of measles in two different post periods of supplementary immunization activities in Hubei, China. Vaccine, 2017, 35, 1024-1029.	3.8	14
49	Approximate Bayesian algorithm to estimate the basic reproduction number in an influenza pandemic using arrival times of imported cases. Travel Medicine and Infectious Disease, 2018, 23, 80-86.	3.0	14
50	Effects of particulate matter exposure on the transmissibility and case fatality rate of COVID-19: A Nationwide Ecological Study in China. Journal of Travel Medicine, 2020, 27, .	3.0	13
51	Profiling of SARS-CoV-2 Subgenomic RNAs in Clinical Specimens. Microbiology Spectrum, 2022, 10, e0018222.	3.0	13
52	Monitoring the age-specificity of measles transmissions during 2009-2016 in Southern China. PLoS ONE, 2018, 13, e0205339.	2.5	12
53	Frequent Genetic Mismatch between Vaccine Strains and Circulating Seasonal Influenza Viruses, Hong Kong, China, 1996–2012. Emerging Infectious Diseases, 2018, 24, 1825-1834.	4.3	12
54	Association between meteorological factors, spatiotemporal effects, and prevalence of influenza A subtype H7 in environmental samples in Zhejiang province, China. Science of the Total Environment, 2019, 663, 793-803.	8.0	12

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55	In silico prediction of influenza vaccine effectiveness by sequence analysis. Vaccine, 2021, 39, 1030-1034.	3.8	12
56	Differences in the case fatality risks associated with SARS-CoV-2 Delta and non-Delta variants in relation to vaccine coverage: An early ecological study in the United Kingdom. Infection, Genetics and Evolution, 2022, 97, 105162.	2.3	12
57	Interpreting the transmissibility of the avian influenza A(H7N9) infection from 2013 to 2015 in Zhejiang Province, China. Epidemiology and Infection, 2016, 144, 1584-1591.	2.1	11
58	Targeting Adults for Supplementary Immunization Activities of Measles Control in Central China: A Mathematical Modelling Study. Scientific Reports, 2018, 8, 16124.	3.3	11
59	A statistical method utilizing information of imported cases to estimate the transmissibility for an influenza pandemic. BMC Medical Research Methodology, 2017, 17, 31.	3.1	10
60	A novel susceptibility locus in <i><scp>MST</scp>1</i> and geneâ€gene interaction network for Crohn's disease in the Chinese population. Journal of Cellular and Molecular Medicine, 2018, 22, 2368-2377.	3.6	10
61	Quantifying the importance of the key sites on haemagglutinin in determining the selection advantage of influenza virus: Using A/H3N2 as an example. Journal of Infection, 2020, 81, 452-482.	3.3	10
62	Use of a least absolute shrinkage and selection operator (LASSO) model to selected ion flow tube mass spectrometry (SIFT-MS) analysis of exhaled breath to predict the efficacy of dialysis: a pilot study. Journal of Breath Research, 2016, 10, 046004.	3.0	9
63	An increasing trend of rural infections of human influenza A (H7N9) from 2013 to 2017: A retrospective analysis of patient exposure histories in Zhejiang province, China. PLoS ONE, 2018, 13, e0193052.	2.5	9
64	The cost-effectiveness of prostate health index for prostate cancer detection in Chinese men. Prostate Cancer and Prostatic Diseases, 2020, 23, 615-621.	3.9	9
65	Modelling the association between COVID-19 transmissibility and D614G substitution in SARS-CoV-2 spike protein: using the surveillance data in California as an example. Theoretical Biology and Medical Modelling, 2021, 18, 10.	2.1	9
66	Independent association between meteorological factors, PM2.5, and seasonal influenza activity in Hangzhou, Zhejiang province, China. Influenza and Other Respiratory Viruses, 2021, 15, 513-520.	3.4	9
67	Poultry exposure and environmental protection against asthma in rural children. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2949-2960.	5.7	9
68	Patient Flow Evaluation with System Dynamic Model in an Emergency Department: Data Analytics on Daily Hospital Records. , 2015, , .		8
69	Stratified polygenic risk prediction model with application to CAGI bipolar disorder sequencing data. Human Mutation, 2017, 38, 1235-1239.	2.5	8
70	Determinants for asthma control, quality of life and use of complementary and alternative medicine in asthmatic pediatric patients in four cities. World Journal of Pediatrics, 2018, 14, 482-491.	1.8	8
71	Early Waning of Maternal Measles Antibodies in Infants in Zhejiang Province, China: A Comparison of Two Cross-Sectional Serosurveys. International Journal of Environmental Research and Public Health, 2019, 16, 4680.	2.6	8
72	wtest: an integrated R package for genetic epistasis testing. BMC Medical Genomics, 2019, 12, 180.	1.5	8

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73	The changing patterns of COVID-19 transmissibility during the social unrest in the United States: A nationwide ecological study with a before-and-after comparison. One Health, 2021, 12, 100201.	3.4	8
74	Oncogenes without a neighboring tumor-suppressor gene are more prone to amplification. Molecular Biology and Evolution, 2017, 34, msw295.	8.9	7
75	Estimation of clinical parameters of chronic kidney disease by exhaled breath full-scan mass spectrometry data and iterative PCA with intensity screening algorithm. Journal of Breath Research, 2017, 11, 036007.	3.0	7
76	Interleukin-27 Is Differentially Associated with HIV Viral Load and CD4+ T Cell Counts in Therapy-NaÃ ⁻ ve HIV-Mono-Infected and HIV/HCV-Co-Infected Chinese. PLoS ONE, 2014, 9, e96792.	2.5	7
77	Superspreading potential of SARS-CoV-2 Delta variants under intensive disease control measures in China. Journal of Travel Medicine, 2022, 29, .	3.0	7
78	Clinical scores of sleep loss and itch, and antihistamine and topical corticosteroid usage for childhood eczema. British Journal of Dermatology, 2016, 175, 1076-1078.	1.5	6
79	A Wâ€ŧest collapsing method for rareâ€variant association testing in exome sequencing data. Genetic Epidemiology, 2016, 40, 591-596.	1.3	6
80	Initial COVID-19 Transmissibility and Three Gaseous Air Pollutants (NO2, SO2, and CO): A Nationwide Ecological Study in China. Frontiers in Medicine, 2020, 7, 575839.	2.6	6
81	Predicting the dominant influenza A serotype by quantifying mutation activities. International Journal of Infectious Diseases, 2020, 100, 255-257.	3.3	6
82	Associations between sport participation and knee symptoms: a cross-sectional study involving 3053 undergraduate students. BMC Sports Science, Medicine and Rehabilitation, 2020, 12, 20.	1.7	6
83	Transurethral resection of prostate for acute urinary retention is linked to shorter survival in younger men. Asian Journal of Andrology, 2019, 21, 468.	1.6	6
84	Quantifying the effect of government interventions and virus mutations on transmission advantage during COVID-19 pandemic. Journal of Infection and Public Health, 2022, 15, 338-342.	4.1	6
85	Utilization of Gene Expression Signature for Quality Control of Traditional Chinese Medicine Formula Si-Wu-Tang. AAPS Journal, 2013, 15, 884-892.	4.4	5
86	Genetic evolution of Human Enterovirus A71 subgenotype C4 in Shenzhen, China, 1998–2013. Journal of Infection, 2016, 72, 731-737.	3.3	5
87	Concurrent epidemics of influenza A/H3N2 and A/H1N1pdm in Southern China: A serial cross-sectional study. Journal of Infection, 2016, 72, 369-376.	3.3	5
88	Genetic Test, Risk Prediction, and Counseling. Advances in Experimental Medicine and Biology, 2017, 1005, 21-46.	1.6	5
89	Quantifying the improvement in confirmation efficiency of the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) during the early phase of the outbreak in Hong Kong in 2020. International Journal of Infectious Diseases, 2020, 96, 284-287.	3.3	5
90	An early assessment of a case fatality risk associated with P.1 SARS-CoV-2 lineage in Brazil: an ecological study. Journal of Travel Medicine, 2021, 28, .	3.0	5

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91	The non-pharmaceutical interventions may affect the advantage in transmission of mutated variants during epidemics: A conceptual model for COVID-19. Journal of Theoretical Biology, 2022, 542, 111105.	1.7	5
92	Characterizing superspreading potential of infectious disease: Decomposition of individual transmissibility. PLoS Computational Biology, 2022, 18, e1010281.	3.2	5
93	A Zoom-Focus algorithm (ZFA) to locate the optimal testing region for rare variant association tests. Bioinformatics, 2017, 33, 2330-2336.	4.1	4
94	Incorporating methylation genome information improves prediction accuracy for drug treatment responses. BMC Genetics, 2018, 19, 78.	2.7	4
95	Gene-methylation epistatic analyses via the W-test identifies enriched signals of neuronal genes in patients undergoing lipid-control treatment. BMC Proceedings, 2018, 12, 53.	1.6	4
96	Were infections in migrants associated with the resurgence of measles epidemic during 2013–2014 in southern China? A retrospective data analysis. International Journal of Infectious Diseases, 2020, 90, 77-83.	3.3	4
97	<p>Modelling the Measles Outbreak at Hong Kong International Airport in 2019: A Data-Driven Analysis on the Effects of Timely Reporting and Public Awareness</p> . Infection and Drug Resistance, 2020, Volume 13, 1851-1861.	2.7	4
98	Changes in Measles Seroprevalence in China After the Launch of Two Provincial Supplementary Immunization Activities During 2009 to 2013. Pediatric Infectious Disease Journal, 2020, 39, 867-871.	2.0	4
99	Limited role for meteorological factors on the variability in COVID-19 incidence: A retrospective study of 102 Chinese cities. PLoS Neglected Tropical Diseases, 2021, 15, e0009056.	3.0	4
100	Differential Influence of Age on the Relationship between Genetic Mismatch and A(H1N1)pdm09 Vaccine Effectiveness. Viruses, 2021, 13, 619.	3.3	4
101	Long-term effectiveness of elderly health care voucher scheme strategies: a system dynamics simulation analysis. BMC Public Health, 2021, 21, 1235.	2.9	4
102	Characterization of key amino acid substitutions and dynamics of the influenza virus H3N2 hemagglutinin. Journal of Infection, 2021, 83, 671-677.	3.3	4
103	The co-circulating transmission dynamics of SARS-CoV-2 Alpha and Eta variants in Nigeria: A retrospective modeling study of COVID-19. Journal of Global Health, 2021, 11, 05028.	2.7	4
104	Identifying influential regions in extremely rare variants using a fixed-bin approach. BMC Proceedings, 2011, 5, S3.	1.6	3
105	Considering interactive effects in the identification of influential regions with extremely rare variants via fixed bin approach. BMC Proceedings, 2014, 8, S7.	1.6	3
106	A partition-based approach to identify gene-environment interactions in genome wide association studies. BMC Proceedings, 2014, 8, S60.	1.6	3
107	Attach importance of the bootstrap <i>t</i> test against Student's <i>t</i> test in clinical epidemiology: a demonstrative comparison using COVID-19 as an example. Epidemiology and Infection, 2021, 149, e107.	2.1	3
108	Temporal-Geographical Dispersion of SARS-CoV-2 Spike Glycoprotein Variant Lineages and Their Functional Prediction Using in Silico Approach. MBio, 2021, 12, e0268721.	4.1	3

#	Article	IF	CITATIONS
109	Whole-Genome Shotgun Sequencing for Nasopharyngeal Microbiome in Pre-school Children With Recurrent Wheezing. Frontiers in Microbiology, 2021, 12, 792556.	3.5	3
110	Modelling COVID-19 outbreak on the Diamond Princess ship using the public surveillance data. Infectious Disease Modelling, 2022, 7, 189-195.	1.9	3
111	Two Screening Methods for Genetic Association Study with Application to Psoriasis Microarray Data Sets. , 2015, , .		2
112	A clustering approach to identify rare variants associated with hypertension. BMC Proceedings, 2016, 10, 153-157.	1.6	2
113	Epidemiological changes in measles infections in southern China between 2009 and 2016: a retrospective database analysis. BMC Infectious Diseases, 2020, 20, 197.	2.9	2
114	A Bayesian method for synthesizing multiple diagnostic outcomes of COVID-19 tests. Royal Society Open Science, 2021, 8, 201867.	2.4	2
115	Cross Sectional Survey of Influenza Antibodies before and during the 2009 Pandemic in Shenzhen, China. PLoS ONE, 2013, 8, e53847.	2.5	2
116	Real-time quantification of the transmission advantage associated with a single mutation in pathogen genomes: a case study on the D614G substitution of SARS-CoV-2. BMC Infectious Diseases, 2021, 21, 1039.	2.9	2
117	A tentative assessment of the changes in transmissibility and fatality risk associated with Beta SARS-CoV-2 variants in South Africa: an ecological study. Pathogens and Global Health, 2021, , 1-3.	2.3	2
118	New insights into old methods for identifying causal rare variants. BMC Proceedings, 2011, 5, S50.	1.6	1
119	Discovering pure gene-environment interactions in blood pressure genome-wide association studies data: a two-step approach incorporating new statistics. BMC Proceedings, 2014, 8, S62.	1.6	1
120	Detecting responses to treatment with fenofibrate in pedigrees. BMC Genetics, 2018, 19, 64.	2.7	1
121	Persistence of Pneumococcal Serotype 3 in Adult Pneumococcal Disease in Hong Kong. Vaccines, 2021, 9, 756.	4.4	1
122	Shrinkage in serial intervals across transmission generations of COVID-19. Journal of Theoretical Biology, 2021, 529, 110861.	1.7	1
123	Temporal Patterns in the Evolutionary Genetic Distance of SARS-CoV-2 during the COVID-19 Pandemic. Public Health Genomics, 2022, 25, 108-111.	1.0	1
124	Risk-Adjusted Monitoring Method for Surgical Data: Methodology for Data Analytics (Work in) Tj ETQq0 0 0 rgB	T /Overloc	k 10 Tf 50 14
125	Response to 'Mortality, length-of-stay, bloodstream and respiratory viral infections in a pediatric intensivecare unit: comment on data sparsity. Journal of Critical Care, 2017, 41, 334.	2.2	0

126 W-Test for Genetic Epistasis Testing. Methods in Molecular Biology, 2021, 2212, 45-53.

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127	Abstract LB-254: Thymidylate synthase gene polymorphisms is negatively associated with gastric cancer survival. , 2017, , .		0