

Social Contacts and Mixing Patterns Relevant to the Spread of Infectious Diseases

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Estimating the impact of childhood influenza vaccination programmes in England and Wales. <i>Vaccine</i> , 2008, 26, 5321-5330.	1.7	74
3	Using Time-Use Data to Parameterize Models for the Spread of Close-Contact Infectious Diseases. <i>American Journal of Epidemiology</i> , 2008, 168, 1082-1090.	1.6	113
4	It's the Network, Stupid: Why Everything in Medicine Is Connected. <i>PLoS Medicine</i> , 2008, 5, e71.	3.9	5
5	New strategies for control of respiratory syncytial virus infection. <i>Current Opinion in Infectious Diseases</i> , 2008, 21, 639-643.	1.3	42
6	Design and Analysis of Infectious Disease Studies. <i>Oberwolfach Reports</i> , 2010, 6, 2673-2698.	0.0	1
7	Influenza. <i>Deutsches A&#x0308;rztblatt International</i> , 2009, 106, 777-82.	0.6	7
8	Potential Intensive Care unit Ventilator Demand/Capacity Mismatch due to Novel Swine-Origin H1N1 in Canada. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2009, 20, e115-e123.	0.7	19
9	Adaptive Vaccination Strategies to Mitigate Pandemic Influenza: Mexico as a Case Study. <i>PLoS ONE</i> , 2009, 4, e8164.	1.1	60
10	Key node selection for containing infectious disease spread using particle swarm optimization. , 2009, , .		10
11	The spread of awareness and its impact on epidemic outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6872-6877.	3.3	831
12	Spread of infectious disease through clustered populations. <i>Journal of the Royal Society Interface</i> , 2009, 6, 1121-1134.	1.5	146
13	Optimizing Influenza Vaccine Distribution. <i>Science</i> , 2009, 325, 1705-1708.	6.0	370
14	Dynamics and Control of Infections Transmitted From Person to Person Through the Environment. <i>American Journal of Epidemiology</i> , 2009, 170, 257-265.	1.6	105
15	Nursesâ€™ Contacts and Potential for Infectious Disease Transmission. <i>Emerging Infectious Diseases</i> , 2009, 15, 1438-1444.	2.0	50
16	Evidence-based Tool for Triggering School Closures during Influenza Outbreaks, Japan. <i>Emerging Infectious Diseases</i> , 2009, 15, 1841-1843.	2.0	42
17	Modelling mitigation strategies for pandemic (H1N1) 2009. <i>Cmaj</i> , 2009, 181, 673-680.	0.9	94
18	Networks of influence and infection: parental choices and childhood disease. <i>Journal of the Royal Society Interface</i> , 2009, 6, 811-814.	1.5	40
19	Invasive meningococcal disease in Malta: an epidemiological overview, 1994â€“2007. <i>Journal of Medical Microbiology</i> , 2009, 58, 1492-1498.	0.7	7

#	ARTICLE	IF	CITATIONS
20	Modelling the progression of pandemic influenza A (H1N1) in Vietnam and the opportunities for reassortment with other influenza viruses. <i>BMC Medicine</i> , 2009, 7, 43.	2.3	26
21	Measures of Disassortativeness and their Application to Directly Transmitted Infections. <i>Biometrical Journal</i> , 2009, 51, 387-407.	0.6	13
22	Breadth and depth in research on health disparities: commentary on the work of Nancy Krieger. <i>Geo Journal</i> , 2009, 74, 115-121.	1.7	3
23	A Motif-Based Approach to Network Epidemics. <i>Bulletin of Mathematical Biology</i> , 2009, 71, 1693-1706.	0.9	48
24	Estimating the impact of school closure on social mixing behaviour and the transmission of close contact infections in eight European countries. <i>BMC Infectious Diseases</i> , 2009, 9, 187.	1.3	182
25	The epidemiology of pertussis in Germany: past and present. <i>BMC Infectious Diseases</i> , 2009, 9, 22.	1.3	77
26	Mining social mixing patterns for infectious disease models based on a two-day population survey in Belgium. <i>BMC Infectious Diseases</i> , 2009, 9, 5.	1.3	95
27	Models of epidemics: when contact repetition and clustering should be included. <i>Theoretical Biology and Medical Modelling</i> , 2009, 6, 11.	2.1	94
28	A mechanistic model of infection: why duration and intensity of contacts should be included in models of disease spread. <i>Theoretical Biology and Medical Modelling</i> , 2009, 6, 25.	2.1	102
29	Information-related changes in contact patterns may trigger oscillations in the endemic prevalence of infectious diseases. <i>Journal of Theoretical Biology</i> , 2009, 256, 473-478.	0.8	122
30	Exploring the relationship between incidence and the average age of infection during seasonal epidemics. <i>Journal of Theoretical Biology</i> , 2009, 260, 175-185.	0.8	12
31	Epidemiologie und Pathogenese der Influenza. , 2009, , 23-35.		1
32	Does Viral Diversity Matter?. <i>Science</i> , 2009, 325, 274-275.	6.0	4
33	On the relationship between meningococcal transmission dynamics and disease: Remarks on humoral immunity. <i>Vaccine</i> , 2009, 27, 3429-3434.	1.7	15
34	Using empirical social contact data to model person to person infectious disease transmission: An illustration for varicella. <i>Mathematical Biosciences</i> , 2009, 218, 80-87.	0.9	68
35	Epidemic patch models applied to pandemic influenza: Contact matrix, stochasticity, robustness of predictions. <i>Mathematical Biosciences</i> , 2009, 220, 24-33.	0.9	17
36	Epidemic prediction and control in weighted networks. <i>Epidemics</i> , 2009, 1, 70-76.	1.5	61
37	How to find natural reservoir hosts from endemic prevalence in a multi-host population: A case study of influenza in waterfowl. <i>Epidemics</i> , 2009, 1, 118-128.	1.5	36

#	ARTICLE	IF	CITATIONS
38	Propagation through dynamic networks: Degree distribution and the spread of disease. , 2009, , .		0
39	Seasonal patterns in time series of pertussis. <i>Epidemiology and Infection</i> , 2009, 137, 1388-1395.	1.0	50
40	Morbidity, mortality and spatial distribution of meningococcal disease, 1974â€“2007. <i>Epidemiology and Infection</i> , 2009, 137, 1631-1640.	1.0	25
41	Modelling the impact of varicella vaccination on varicella and zoster. <i>Epidemiology and Infection</i> , 2010, 138, 469-481.	1.0	62
42	The impact of mass gatherings and holiday traveling on the course of an influenza pandemic: a computational model. <i>BMC Public Health</i> , 2010, 10, 778.	1.2	69
43	Human mobility and population heterogeneity in the spread of an epidemic. <i>Procedia Computer Science</i> , 2010, 1, 2237-2244.	1.2	17
44	A game dynamic model for delayer strategies in vaccinating behaviour for pediatric infectious diseases. <i>Journal of Theoretical Biology</i> , 2010, 267, 276-282.	0.8	46
45	Influenza epidemic spread simulation for Poland â€” a large scale, individual based model study. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 3149-3165.	1.2	39
46	Assessing the role of contact tracing in a suspected H7N2 influenza A outbreak in humans in Wales. <i>BMC Infectious Diseases</i> , 2010, 10, 141.	1.3	32
47	Comparison of three methods for ascertainment of contact information relevant to respiratory pathogen transmission in encounter networks. <i>BMC Infectious Diseases</i> , 2010, 10, 166.	1.3	43
48	Contingency planning for a deliberate release of smallpox in Great Britain - the role of geographical scale and contact structure. <i>BMC Infectious Diseases</i> , 2010, 10, 25.	1.3	14
49	Planning for the next influenza H1N1 season: a modelling study. <i>BMC Infectious Diseases</i> , 2010, 10, 301.	1.3	13
50	Dynamic models of pneumococcal carriage and the impact of the Heptavalent Pneumococcal Conjugate Vaccine on invasive pneumococcal disease. <i>BMC Infectious Diseases</i> , 2010, 10, 90.	1.3	73
51	Modelling strategic use of the national antiviral stockpile during the CONTAIN and SUSTAIN phases of an Australian pandemic influenza response. <i>Australian and New Zealand Journal of Public Health</i> , 2010, 34, 113-119.	0.8	17
52	Estimating Infectious Disease Parameters from Data on Social Contacts and Serological Status. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2010, 59, 255-277.	0.5	82
53	The Spread of Pandemic H1N1 2009 by Age and Region and the Comparison among Monitoring Tools. <i>Journal of Korean Medical Science</i> , 2010, 25, 1109.	1.1	28
54	Modeling Seasonal Influenza Outbreak in a Closed College Campus: Impact of Pre-Season Vaccination, In-Season Vaccination and Holidays/Breaks. <i>PLoS ONE</i> , 2010, 5, e9548.	1.1	41
55	Seroprevalence Following the Second Wave of Pandemic 2009 H1N1 Influenza in Pittsburgh, PA, USA. <i>PLoS ONE</i> , 2010, 5, e11601.	1.1	82

#	ARTICLE	IF	CITATIONS
56	Evaluation of Targeted Influenza Vaccination Strategies via Population Modeling. PLoS ONE, 2010, 5, e12777.	1.1	31
57	Social Network Sensors for Early Detection of Contagious Outbreaks. PLoS ONE, 2010, 5, e12948.	1.1	414
58	The Population Impact of a Large School-Based Influenza Vaccination Campaign. PLoS ONE, 2010, 5, e15097.	1.1	26
59	Cost-effectiveness of Pharmaceutical-based Pandemic Influenza Mitigation Strategies ¹ . Emerging Infectious Diseases, 2010, 16, 224-230.	2.0	27
60	Serological Analysis of Human Pandemic Influenza (H1N1) in Thailand. Journal of Health, Population and Nutrition, 2010, 28, 537-44.	0.7	13
61	Logistical feasibility and potential benefits of a population-wide passive-immunotherapy program during an influenza pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3269-3274.	3.3	36
62	The dynamic nature of contact networks in infectious disease epidemiology. Journal of Biological Dynamics, 2010, 4, 478-489.	0.8	170
63	Pertussis Disease Burden in the Household: How to Protect Young Infants. Clinical Infectious Diseases, 2010, 50, 1339-1345.	2.9	202
64	Dynamics of infectious disease transmission by inhalable respiratory droplets. Journal of the Royal Society Interface, 2010, 7, 1355-1366.	1.5	103
65	Distribution of vaccine/antivirals and the "least spread line"™ in a stratified population. Journal of the Royal Society Interface, 2010, 7, 755-764.	1.5	44
66	Resolving the impact of waiting time distributions on the persistence of measles. Journal of the Royal Society Interface, 2010, 7, 623-640.	1.5	48
67	Household Transmission of the 2009 Pandemic A/H1N1 Influenza Virus: Elevated Laboratory-Confirmed Secondary Attack Rates and Evidence of Asymptomatic Infections. Clinical Infectious Diseases, 2010, 51, 1033-1041.	2.9	102
68	A mathematical model of the indirect effects of rotavirus vaccination. Epidemiology and Infection, 2010, 138, 884-897.	1.0	43
69	Mathematical Approaches to Infectious Disease Prediction and Control. , 2010, , 1-25.		27
70	Effective epidemic control via strategic vaccine deployment. , 2010, , .		4
71	Optimizing infectious disease interventions during an emerging epidemic. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 923-928.	3.3	154
72	Antibiotic Dose Impact on Resistance Selection in the Community: a Mathematical Model of β -Lactams and <i>Streptococcus pneumoniae</i> Dynamics. Antimicrobial Agents and Chemotherapy, 2010, 54, 2330-2337.	1.4	45
73	Estimates of the Transmissibility of the 1968 (Hong Kong) Influenza Pandemic: Evidence of Increased Transmissibility Between Successive Waves. American Journal of Epidemiology, 2010, 171, 465-478.	1.6	59

#	ARTICLE	IF	CITATIONS
74	Studies Needed to Address Public Health Challenges of the 2009 H1N1 Influenza Pandemic: Insights from Modeling. <i>PLoS Medicine</i> , 2010, 7, e1000275.	3.9	75
75	Incidence and Reproduction Numbers of Pertussis: Estimates from Serological and Social Contact Data in Five European Countries. <i>PLoS Medicine</i> , 2010, 7, e1000291.	3.9	125
76	Dynamics and Control of Diseases in Networks with Community Structure. <i>PLoS Computational Biology</i> , 2010, 6, e1000736.	1.5	434
77	Little Italy: An Agent-Based Approach to the Estimation of Contact Patterns- Fitting Predicted Matrices to Serological Data. <i>PLoS Computational Biology</i> , 2010, 6, e1001021.	1.5	69
78	FluTE, a Publicly Available Stochastic Influenza Epidemic Simulation Model. <i>PLoS Computational Biology</i> , 2010, 6, e1000656.	1.5	287
79	Estimates of sexual partnership dynamics: extending negative and positive gaps to status lengths. <i>Journal of Epidemiology and Community Health</i> , 2010, 64, 672-677.	2.0	5
80	Pharmaceutical interventions for mitigating an influenza pandemic: modeling the risks and health-economic impacts. <i>Expert Review of Anti-Infective Therapy</i> , 2010, 8, 1431-1439.	2.0	6
81	Epidemiological bridging by injection drug use drives an early HIV epidemic. <i>Epidemics</i> , 2010, 2, 155-164.	1.5	26
82	Aerosol influenza transmission risk contours: A study of humid tropics versus winter temperate zone. <i>Virology Journal</i> , 2010, 7, 98.	1.4	31
83	Mathematical Modelling of the Epidemiology of Tuberculosis. <i>Advances in Experimental Medicine and Biology</i> , 2010, 673, 127-140.	0.8	18
84	Never mind the length, feel the quality: the impact of long-term epidemiological data sets on theory, application and policy. <i>Trends in Ecology and Evolution</i> , 2010, 25, 611-618.	4.2	29
85	Vaccination against pandemic influenza A/H1N1v in England: A real-time economic evaluation. <i>Vaccine</i> , 2010, 28, 2370-2384.	1.7	160
86	Modelling the seasonality of rotavirus disease and the impact of vaccination in England and Wales. <i>Vaccine</i> , 2010, 28, 3118-3126.	1.7	58
87	Modeling the impact of one- and two-dose varicella vaccination on the epidemiology of varicella and zoster. <i>Vaccine</i> , 2010, 28, 3385-3397.	1.7	83
88	Economics of employer-sponsored workplace vaccination to prevent pandemic and seasonal influenza. <i>Vaccine</i> , 2010, 28, 5952-5959.	1.7	34
89	Dynamic model of rotavirus transmission and the impact of rotavirus vaccination in Kyrgyzstan. <i>Vaccine</i> , 2010, 28, 7923-7932.	1.7	31
90	Meningococcal carriage by age: a systematic review and meta-analysis. <i>Lancet Infectious Diseases</i> , The, 2010, 10, 853-861.	4.6	514
91	Incidence of 2009 pandemic influenza A H1N1 infection in England: a cross-sectional serological study. <i>Lancet</i> , The, 2010, 375, 1100-1108.	6.3	676

#	ARTICLE	IF	CITATIONS
92	Contact Network Structure Explains the Changing Epidemiology of Pertussis. <i>Science</i> , 2010, 330, 982-985.	6.0	186
93	The effect of Haemophilus influenzae type b and pneumococcal conjugate vaccines on childhood pneumonia incidence, severe morbidity and mortality. <i>International Journal of Epidemiology</i> , 2010, 39, i172-i185.	0.9	84
94	How Many People Do You Know?: Efficiently Estimating Personal Network Size. <i>Journal of the American Statistical Association</i> , 2010, 105, 59-70.	1.8	168
95	Technologies to generate contact graphs for personal social networks. , 2010, , .		1
96	Modelling the Epidemiology of Infectious Diseases for Decision Analysis. <i>Pharmacoeconomics</i> , 2011, 29, 371-386.	1.7	95
97	Epidemic spreading in networks with nonrandom long-range interactions. <i>Physical Review E</i> , 2011, 84, 036110.	0.8	14
98	Modelling the initial phase of an epidemic using incidence and infection network data: 2009 H1N1 pandemic in Israel as a case study. <i>Journal of the Royal Society Interface</i> , 2011, 8, 856-867.	1.5	28
99	MF59 [®] , ϕ -adjuvanted seasonal influenza vaccine in young children. <i>Expert Review of Vaccines</i> , 2011, 10, 1519-1528.	2.0	5
100	Boosting understanding of pertussis outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7279-7280.	3.3	12
101	Intervention for contagious disease: Agent-based modeling and simulation. , 2011, , .		3
102	Statistical inference to advance network models in epidemiology. <i>Epidemics</i> , 2011, 3, 38-45.	1.5	46
103	The impact of school holidays on the social mixing patterns of school children. <i>Epidemics</i> , 2011, 3, 103-108.	1.5	75
104	Different transmission patterns in the early stages of the influenza A(H1N1)v pandemic: A comparative analysis of 12 European countries. <i>Epidemics</i> , 2011, 3, 125-133.	1.5	38
105	What types of contacts are important for the spread of infections? Using contact survey data to explore European mixing patterns. <i>Epidemics</i> , 2011, 3, 143-151.	1.5	123
106	MODELING INFECTIOUS OUTBREAKS IN NON-HOMOGENEOUS POPULATIONS. <i>Journal of Biological Systems</i> , 2011, 19, 591-606.	0.5	4
107	Global Influenza Seasonality: Reconciling Patterns across Temperate and Tropical Regions. <i>Environmental Health Perspectives</i> , 2011, 119, 439-445.	2.8	388
108	Simulation of an SEIR infectious disease model on the dynamic contact network of conference attendees. <i>BMC Medicine</i> , 2011, 9, 87.	2.3	296
109	Social Mixing Patterns Within a South African Township Community: Implications for Respiratory Disease Transmission and Control. <i>American Journal of Epidemiology</i> , 2011, 174, 1246-1255.	1.6	123

#	ARTICLE	IF	CITATIONS
110	Modelling the impact of a combined varicella and zoster vaccination programme on the epidemiology of varicella zoster virus in England. <i>Vaccine</i> , 2011, 29, 2411-2420.	1.7	97
111	Modelling the seasonality of rotavirus disease and the impact of vaccination in England and Wales. <i>Vaccine</i> , 2011, 29, 3828.	1.7	0
112	Seroprevalence of antibodies to influenza A/H1N1/2009 among transmission risk groups after the second wave in Mexico, by a virus-free ELISA method. <i>International Journal of Infectious Diseases</i> , 2011, 15, e781-e786.	1.5	25
113	Vaccine production, distribution, access, and uptake. <i>Lancet, The</i> , 2011, 378, 428-438.	6.3	97
114	The Effect of Risk Perception on the 2009 H1N1 Pandemic Influenza Dynamics. <i>PLoS ONE</i> , 2011, 6, e16460.	1.1	152
115	On the Treatment of Airline Travelers in Mathematical Models. <i>PLoS ONE</i> , 2011, 6, e22151.	1.1	16
117	Contribution of mathematical modeling to the fight against bacterial antibiotic resistance. <i>Current Opinion in Infectious Diseases</i> , 2011, 24, 279-287.	1.3	65
118	Potential pediatric intensive care unit demand/capacity mismatch due to novel pH1N1 in Canada. <i>Pediatric Critical Care Medicine</i> , 2011, 12, e51-e57.	0.2	19
119	Development of an individual-based model for polioviruses: implications of the selection of network type and outcome metrics. <i>Epidemiology and Infection</i> , 2011, 139, 836-848.	1.0	24
120	Factors associated with social contacts in four communities during the 2007-2008 influenza season. <i>Epidemiology and Infection</i> , 2011, 139, 1181-1190.	1.0	35
121	Head lice prevalence among households in Norway: importance of spatial variables and individual and household characteristics. <i>Parasitology</i> , 2011, 138, 1296-1304.	0.7	38
122	Estimating within-household contact networks from egocentric data. <i>Annals of Applied Statistics</i> , 2011, 5, 1816-1838.	0.5	28
123	Modelling the strategies for age specific vaccination scheduling during influenza pandemic outbreaks. <i>Mathematical Biosciences and Engineering</i> , 2011, 8, 123-139.	1.0	24
124	Lower respiratory tract infections and gastrointestinal infections among mature babies in Japan. <i>Pediatrics International</i> , 2011, 53, 431-445.	0.2	9
125	Estimation of the reproductive number for the 2009 pandemic H1N1 influenza in rural and metropolitan New South Wales. <i>Australian Journal of Rural Health</i> , 2011, 19, 59-63.	0.7	6
126	Critical Review and Uncertainty Analysis of Factors Influencing Influenza Transmission. <i>Risk Analysis</i> , 2011, 31, 1226-1242.	1.5	19
127	Respiratory hygiene practices by the public during the 2009 influenza pandemic: an observational study. <i>Influenza and Other Respiratory Viruses</i> , 2011, 5, 317-320.	1.5	13
128	Outpatient physician billing data for age and setting specific syndromic surveillance of influenza-like illnesses. <i>Journal of Biomedical Informatics</i> , 2011, 44, 221-228.	2.5	12

#	ARTICLE	IF	CITATIONS
129	Toward Effective Vaccine Deployment: A Systematic Study. <i>Journal of Medical Systems</i> , 2011, 35, 1153-1164.	2.2	12
130	The Final Size of an Epidemic and Its Relation to the Basic Reproduction Number. <i>Bulletin of Mathematical Biology</i> , 2011, 73, 2305-2321.	0.9	97
131	A multiplicative hazard regression model to assess the risk of disease transmission at hospital during community epidemics. <i>BMC Medical Research Methodology</i> , 2011, 11, 53.	1.4	4
132	Reconstructing the 2003/2004 H3N2 influenza epidemic in Switzerland with a spatially explicit, individual-based model. <i>BMC Infectious Diseases</i> , 2011, 11, 115.	1.3	50
133	Force of tuberculosis infection among adolescents in a high HIV and TB prevalence community: a cross-sectional observation study. <i>BMC Infectious Diseases</i> , 2011, 11, 156.	1.3	61
134	The role of schools in the spread of mumps among unvaccinated children: a retrospective cohort study. <i>BMC Infectious Diseases</i> , 2011, 11, 227.	1.3	11
135	Geodemographics profiling of influenza A and B virus infections in community neighborhoods in Japan. <i>BMC Infectious Diseases</i> , 2011, 11, 36.	1.3	17
136	Optimal H1N1 vaccination strategies based on self-interest versus group interest. <i>BMC Public Health</i> , 2011, 11, S4.	1.2	37
137	The feasibility of age-specific travel restrictions during influenza pandemics. <i>Theoretical Biology and Medical Modelling</i> , 2011, 8, 44.	2.1	22
138	Leveraging social networks for understanding the evolution of epidemics. <i>BMC Systems Biology</i> , 2011, 5, S14.	3.0	19
139	Assessing ventilation system performance in isolation rooms. <i>Energy and Buildings</i> , 2011, 43, 246-252.	3.1	21
140	Epidemic prediction and control in clustered populations. <i>Journal of Theoretical Biology</i> , 2011, 272, 1-7.	0.8	38
141	Model structure analysis to estimate basic immunological processes and maternal risk for parvovirus B19. <i>Biostatistics</i> , 2011, 12, 283-302.	0.9	28
142	Age-Dependent Patterns of Infection and Severity Explaining the Low Impact of 2009 Influenza A (H1N1): Evidence From Serial Serologic Surveys in the Netherlands. <i>American Journal of Epidemiology</i> , 2011, 174, 1307-1315.	1.6	49
143	3G Smartphone Technologies for Generating Personal Social Network Contact Distributions and Graphs. , 2011, , .		2
144	3G Smartphone technologies for generating personal social network contact distributions and graphs. , 2011, , .		2
145	"Herd Immunity": A Rough Guide. <i>Clinical Infectious Diseases</i> , 2011, 52, 911-916.	2.9	891
146	Modelling the performance of isoniazid preventive therapy for reducing tuberculosis in HIV endemic settings: the effects of network structure. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1510-1520.	1.5	16

#	ARTICLE	IF	CITATIONS
147	Estimating reproduction numbers for adults and children from case data. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1248-1259.	1.5	29
148	Modelling the impact of local reactive school closures on critical care provision during an influenza pandemic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2753-2760.	1.2	62
149	Targeting vaccination against novel infections: risk, age and spatial structure for pandemic influenza in Great Britain. <i>Journal of the Royal Society Interface</i> , 2011, 8, 661-670.	1.5	42
150	Insights from unifying modern approximations to infections on networks. <i>Journal of the Royal Society Interface</i> , 2011, 8, 67-73.	1.5	153
151	Measuring social networks in British primary schools through scientific engagement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1467-1475.	1.2	54
152	Disease transmission in territorial populations: the small-world network of Serengeti lions. <i>Journal of the Royal Society Interface</i> , 2011, 8, 776-786.	1.5	121
153	Knowledge about pandemic influenza in healthcare and non-healthcare students in London. <i>Health Education Journal</i> , 2011, 70, 217-224.	0.6	3
154	Stamping Out Fires! Controlling Smallpox with Targeted Mass Vaccination. <i>Medical Decision Making</i> , 2011, 31, 69-78.	1.2	6
155	Mycobacterial Factors Relevant for Transmission of Tuberculosis. <i>Journal of Infectious Diseases</i> , 2011, 203, 1249-1255.	1.9	29
156	Prevalence of Antibodies against Seasonal Influenza A and B Viruses in Children in Netherlands. <i>Vaccine Journal</i> , 2011, 18, 469-476.	3.2	155
157	Networks and the Epidemiology of Infectious Disease. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2011, 2011, 1-28.	0.6	299
158	Assortativity and the Probability of Epidemic Extinction: A Case Study of Pandemic Influenza A (H1N1-2009). <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2011, 2011, 1-9.	0.6	31
159	Diagnosing the Individual to Control the Epidemic. <i>Science Translational Medicine</i> , 2011, 3, 82ps18.	5.8	1
160	Location-specific patterns of exposure to recent pre-pandemic strains of influenza A in southern China. <i>Nature Communications</i> , 2011, 2, 423.	5.8	36
161	Age-specific Differences in Influenza A Epidemic Curves: Do Children Drive the Spread of Influenza Epidemics?. <i>American Journal of Epidemiology</i> , 2011, 174, 109-117.	1.6	70
162	Bayesian modeling to unmask and predict influenza A/H1N1pdm dynamics in London. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18238-18243.	3.3	101
163	Wearable Sensor Networks for Measuring Face-to-Face Contact Patterns in Healthcare Settings. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2011, , 192-195.	0.2	7
164	Network Perspectives on Infectious Disease Dynamics. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2011, 2011, 1-2.	0.6	4

#	ARTICLE	IF	CITATIONS
165	Effects of Heterogeneous and Clustered Contact Patterns on Infectious Disease Dynamics. PLoS Computational Biology, 2011, 7, e1002042.	1.5	139
166	Epidemiological Characteristics of 2009 (H1N1) Pandemic Influenza Based on Paired Sera from a Longitudinal Community Cohort Study. PLoS Medicine, 2011, 8, e1000442.	3.9	103
167	Contact Heterogeneity and Phylodynamics: How Contact Networks Shape Parasite Evolutionary Trees. Interdisciplinary Perspectives on Infectious Diseases, 2011, 2011, 1-9.	0.6	20
168	Is Network Clustering Detectable in Transmission Trees?. Viruses, 2011, 3, 659-676.	1.5	15
169	Erratic Flu Vaccination Emerges from Short-Sighted Behavior in Contact Networks. PLoS Computational Biology, 2011, 7, e1001062.	1.5	62
170	Transmission Characteristics of the 2009 H1N1 Influenza Pandemic: Comparison of 8 Southern Hemisphere Countries. PLoS Pathogens, 2011, 7, e1002225.	2.1	57
171	Modelling the Effects of Population Structure on Childhood Disease: The Case of Varicella. PLoS Computational Biology, 2011, 7, e1002105.	1.5	13
172	Inferring Epidemic Contact Structure from Phylogenetic Trees. PLoS Computational Biology, 2012, 8, e1002413.	1.5	85
173	Measured Dynamic Social Contact Patterns Explain the Spread of H1N1v Influenza. PLoS Computational Biology, 2012, 8, e1002425.	1.5	174
174	Inferring the Structure of Social Contacts from Demographic Data in the Analysis of Infectious Diseases Spread. PLoS Computational Biology, 2012, 8, e1002673.	1.5	166
175	Digital Epidemiology. PLoS Computational Biology, 2012, 8, e1002616.	1.5	408
176	The Role of Social Contacts and Original Antigenic Sin in Shaping the Age Pattern of Immunity to Seasonal Influenza. PLoS Computational Biology, 2012, 8, e1002741.	1.5	27
177	Likely effectiveness of pharmaceutical and non-pharmaceutical interventions for mitigating influenza virus transmission in Mongolia. Bulletin of the World Health Organization, 2012, 90, 264-271.	1.5	23
178	Evidence for Antigenic Seniority in Influenza A (H3N2) Antibody Responses in Southern China. PLoS Pathogens, 2012, 8, e1002802.	2.1	184
179	Niche and Neutral Effects of Acquired Immunity Permit Coexistence of Pneumococcal Serotypes. Science, 2012, 335, 1376-1380.	6.0	163
180	Modelling seasonal variations in the age and incidence of Kawasaki disease to explore possible infectious aetiologies. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2736-2743.	1.2	18
181	Edge-based compartmental modelling for infectious disease spread. Journal of the Royal Society Interface, 2012, 9, 890-906.	1.5	205
182	Essential epidemiological mechanisms underpinning the transmission dynamics of seasonal influenza. Journal of the Royal Society Interface, 2012, 9, 304-312.	1.5	65

#	ARTICLE	IF	CITATIONS
183	Unravelling transmission trees of infectious diseases by combining genetic and epidemiological data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 444-450.	1.2	126
184	Social encounter networks: collective properties and disease transmission. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2826-2833.	1.5	95
185	Cost effectiveness of vaccination against pandemic influenza in European countries: mathematical modelling analysis. <i>BMJ</i> , The, 2012, 345, e4445-e4445.	3.0	30
186	Rates of Acquisition of Pneumococcal Colonization and Transmission Probabilities, by Serotype, Among Newborn Infants in Kilifi District, Kenya. <i>Clinical Infectious Diseases</i> , 2012, 55, 180-188.	2.9	53
187	Public health and economic benefits of new pediatric influenza vaccination programs in Argentina. <i>Human Vaccines and Immunotherapeutics</i> , 2012, 8, 312-322.	1.4	20
188	Early Impact of the US Tdap Vaccination Program on Pertussis Trends. <i>JAMA Pediatrics</i> , 2012, 166, 344.	3.6	72
189	Resolving pertussis immunity and vaccine effectiveness using incidence time series. <i>Expert Review of Vaccines</i> , 2012, 11, 1319-1329.	2.0	15
190	Dynamic models for health economic assessments of pertussis vaccines: what goes around comes around. <i>Expert Review of Vaccines</i> , 2012, 11, 1415-1428.	2.0	4
191	Self-boosting vaccines and their implications for herd immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20154-20159.	3.3	18
192	Extracting Data from Disparate Sources for Agent-Based Disease Spread Models. <i>Epidemiology Research International</i> , 2012, 2012, 1-18.	0.2	4
193	Dynamic Transmission Modeling. <i>Medical Decision Making</i> , 2012, 32, 712-721.	1.2	117
194	Estimating within-school contact networks to understand influenza transmission. <i>Annals of Applied Statistics</i> , 2012, 6, 1-26.	0.5	44
195	On the existence of a threshold for preventive behavioral responses to suppress epidemic spreading. <i>Scientific Reports</i> , 2012, 2, 632.	1.6	118
196	Collecting close-contact social mixing data with contact diaries: reporting errors and biases. <i>Epidemiology and Infection</i> , 2012, 140, 744-752.	1.0	62
197	Modelling the impact of extended vaccination strategies on the epidemiology of pertussis. <i>Epidemiology and Infection</i> , 2012, 140, 1503-1514.	1.0	12
198	Close encounters of the infectious kind: methods to measure social mixing behaviour. <i>Epidemiology and Infection</i> , 2012, 140, 2117-2130.	1.0	130
199	Use of Seasonal Influenza Virus Titer and Respiratory Symptom Score to Estimate Effective Human Contact Rates. <i>Journal of Epidemiology</i> , 2012, 22, 353-363.	1.1	10
200	The importance of who infects whom: the evolution of diversity in host resistance to infectious disease. <i>Ecology Letters</i> , 2012, 15, 1104-1111.	3.0	20

#	ARTICLE	IF	CITATIONS
201	Structured models of infectious disease: Inference with discrete data. <i>Theoretical Population Biology</i> , 2012, 82, 275-282.	0.5	32
202	Modelling the Dynamics of Host-Parasite Interactions: Basic Principles. , 2012, , 79-101.		4
203	Response to 2009 pandemic influenza A H1N1 among public schools of Georgia, United Statesâ€”fall 2009. <i>International Journal of Infectious Diseases</i> , 2012, 16, e382-e390.	1.5	13
204	Ã‰tica mÃ©dica, investigaci3n y la industria farmacÃ©utica. <i>ReumatologÃ­a ClÃ­nica</i> , 2012, 8, 233-235.	0.2	2
205	The cost-effectiveness of varicella and combined varicella and herpes zoster vaccination programmes in the United Kingdom. <i>Vaccine</i> , 2012, 30, 1225-1234.	1.7	63
206	Short-lived immunity against pertussis, age-specific routes of transmission, and the utility of a teenage booster vaccine. <i>Vaccine</i> , 2012, 30, 544-551.	1.7	63
207	Estimating the clinical impact of introducing paediatric influenza vaccination in England and Wales. <i>Vaccine</i> , 2012, 30, 1208-1224.	1.7	52
208	Adaptive pathways of zoonotic influenza viruses: From exposure to establishment in humans. <i>Vaccine</i> , 2012, 30, 4419-4434.	1.7	109
209	Under-explored assumptions in influenza vaccination models: Implications for the universal vaccination of children. <i>Vaccine</i> , 2012, 30, 5776-5781.	1.7	6
210	Impact of weekday social contact patterns on the modeling of influenza transmission, and determination of the influenza latent period. <i>Journal of Theoretical Biology</i> , 2012, 312, 87-95.	0.8	20
211	Mixing in age-structured population models of infectious diseases. <i>Mathematical Biosciences</i> , 2012, 235, 1-7.	0.9	58
212	Risk perception and effectiveness of uncoordinated behavioral responses in an emerging epidemic. <i>Mathematical Biosciences</i> , 2012, 238, 80-89.	0.9	109
213	The relationship between human behavior and the process of epidemic spreading in a real social network. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	11
214	Teacher led school-based surveillance can allow accurate tracking of emerging infectious diseases - evidence from serial cross-sectional surveys of febrile respiratory illness during the H1N1 2009 influenza pandemic in Singapore. <i>BMC Infectious Diseases</i> , 2012, 12, 336.	1.3	8
215	A systematic review to identify areas of enhancements of pandemic simulation models for operational use at provincial and local levels. <i>BMC Public Health</i> , 2012, 12, 251.	1.2	37
216	Simulating school closure policies for cost effective pandemic decision making. <i>BMC Public Health</i> , 2012, 12, 449.	1.2	38
217	Development of a resource modelling tool to support decision makers in pandemic influenza preparedness: The AsiaFluCap Simulator. <i>BMC Public Health</i> , 2012, 12, 870.	1.2	30
218	Modeling rapidly disseminating infectious disease during mass gatherings. <i>BMC Medicine</i> , 2012, 10, 159.	2.3	25

#	ARTICLE	IF	CITATIONS
219	The age distribution of mortality due to influenza: pandemic and peri-pandemic. <i>BMC Medicine</i> , 2012, 10, 162.	2.3	30
220	Social contact patterns and control strategies for influenza in the elderly. <i>Mathematical Biosciences</i> , 2012, 240, 241-249.	0.9	30
221	A new approach to characterising infectious disease transmission dynamics from sentinel surveillance: Application to the Italian 2009â€“2010 A/H1N1 influenza pandemic. <i>Epidemics</i> , 2012, 4, 9-21.	1.5	42
222	Critical immune and vaccination thresholds for determining multiple influenza epidemic waves. <i>Epidemics</i> , 2012, 4, 22-32.	1.5	18
223	The influence of empirical contact networks on modelling diseases in cattle. <i>Epidemics</i> , 2012, 4, 117-123.	1.5	19
224	Medical Ethics, Research and the Pharmaceutical Industry. <i>ReumatologÃa ClÃnica (English Edition)</i> , 2012, 8, 233-235.	0.2	0
225	Dynamic Transmission Modeling: A Report of the ISPOR-SMDM Modeling Good Research Practices Task Force-5. <i>Value in Health</i> , 2012, 15, 828-834.	0.1	152
226	Economic Evaluations of Childhood Influenza Vaccination. <i>Pharmacoeconomics</i> , 2012, 30, 647-660.	1.7	20
227	Temporal aggregation impacts on epidemiological simulations employing microcontact data. <i>BMC Medical Informatics and Decision Making</i> , 2012, 12, 132.	1.5	11
228	Influence of Contact Definitions in Assessment of the Relative Importance of Social Settings in Disease Transmission Risk. <i>PLoS ONE</i> , 2012, 7, e30893.	1.1	14
229	A Metapopulation Model to Assess the Capacity of Spread of Meticillin-Resistant <i>Staphylococcus aureus</i> ST398 in Humans. <i>PLoS ONE</i> , 2012, 7, e47504.	1.1	16
230	Epidemic Spreading on Preferred Degree Adaptive Networks. <i>PLoS ONE</i> , 2012, 7, e48686.	1.1	21
231	A Nice Day for an Infection? Weather Conditions and Social Contact Patterns Relevant to Influenza Transmission. <i>PLoS ONE</i> , 2012, 7, e48695.	1.1	83
232	Distribution of Influenza-Like Illness (ILI) by Occupation in Washington State, September 2009â€“August 2010. <i>PLoS ONE</i> , 2012, 7, e48806.	1.1	17
233	Real-time Investigation of Measles Epidemics with Estimate of Vaccine Efficacy. <i>International Journal of Biological Sciences</i> , 2012, 8, 620-629.	2.6	22
234	Dynamic modeling for pandemic influenza. <i>Expert Review of Vaccines</i> , 2012, 11, 543-546.	2.0	4
235	Information networks for disease: commonalities in human management networks and within-host signalling networks. <i>European Journal of Plant Pathology</i> , 2012, 133, 75-88.	0.8	31
236	Modeling Optimal Age-Specific Vaccination Strategies Against Pandemic Influenza. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 958-980.	0.9	75

#	ARTICLE	IF	CITATIONS
237	Modeling influenza progression within a continuous-attribute heterogeneous population. <i>European Journal of Operational Research</i> , 2012, 220, 238-250.	3.5	13
238	Simulating devil facial tumour disease outbreaks across empirically derived contact networks. <i>Journal of Applied Ecology</i> , 2012, 49, 447-456.	1.9	39
239	Cumulative incidence of pandemic influenza A (H1N1) 2009 by a community-based serological cohort study in Selenge Province, Mongolia. <i>Influenza and Other Respiratory Viruses</i> , 2012, 6, e97-e104.	1.5	9
240	New pertussis vaccination approaches: en route to protect newborns?. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 66, 121-133.	2.7	48
241	Ordered community structure in networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 2752-2763.	1.2	5
242	Understanding the dynamics of seasonal influenza in Italy: incidence, transmissibility and population susceptibility in a 9-year period. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 286-295.	1.5	16
243	Trends in parameterization, economics and host behaviour in influenza pandemic modelling: a review and reporting protocol. <i>Emerging Themes in Epidemiology</i> , 2013, 10, 3.	1.2	17
244	Modular and hierarchical structure of social contact networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 4619-4628.	1.2	17
245	An infectious disease model on empirical networks of human contact: bridging the gap between dynamic network data and contact matrices. <i>BMC Infectious Diseases</i> , 2013, 13, 185.	1.3	90
246	Age-specific contacts and travel patterns in the spatial spread of 2009 H1N1 influenza pandemic. <i>BMC Infectious Diseases</i> , 2013, 13, 176.	1.3	72
247	An approximation of herd effect due to vaccinating children against seasonal influenza – a potential solution to the incorporation of indirect effects into static models. <i>BMC Infectious Diseases</i> , 2013, 13, 25.	1.3	13
248	Can informal social distancing interventions minimize demand for antiviral treatment during a severe pandemic?. <i>BMC Public Health</i> , 2013, 13, 669.	1.2	8
249	On the use of chance-adjusted agreement statistic to measure the assortative transmission of infectious diseases. <i>Computational and Applied Mathematics</i> , 2013, 32, 303-313.	1.3	3
250	Model hierarchies in edge-based compartmental modeling for infectious disease spread. <i>Journal of Mathematical Biology</i> , 2013, 67, 869-899.	0.8	29
251	Understanding the Cost-Effectiveness of Influenza Vaccination in Children: Methodological Choices and Seasonal Variability. <i>Pharmacoeconomics</i> , 2013, 31, 693-702.	1.7	19
252	Co-circulation of influenza A virus strains and emergence of pandemic via reassortment: The role of cross-immunity. <i>Epidemics</i> , 2013, 5, 20-33.	1.5	20
253	Models of strategies for control of rubella and congenital rubella syndrome – A 40 year experience from Australia. <i>Vaccine</i> , 2013, 31, 691-697.	1.7	20
254	Can vaccine legacy explain the British pertussis resurgence?. <i>Vaccine</i> , 2013, 31, 5903-5908.	1.7	38

#	ARTICLE	IF	CITATIONS
255	Strategies to control pertussis in infants. Archives of Disease in Childhood, 2013, 98, 552-555.	1.0	71
256	The scaling of contact rates with population density for the infectious disease models. Mathematical Biosciences, 2013, 244, 125-134.	0.9	200
257	Varicella zoster virus infection occurs at a relatively young age in the Netherlands. Vaccine, 2013, 31, 5127-5133.	1.7	38
258	Modeling dynamics of an influenza pandemic with heterogeneous coping behaviors: case study of a 2009 H1N1 outbreak in Arizona. Computational and Mathematical Organization Theory, 2013, 19, 622-645.	1.5	7
259	An agent-based simulation of a Tuberculosis epidemic: Understanding the timing of transmission. , 2013, , .		19
260	Influenza surveillance and forecast with smartphone sensors. , 2013, , .		1
261	Selecting Nonpharmaceutical Interventions for Influenza. Risk Analysis, 2013, 33, 1473-1488.	1.5	13
262	Physician Attitudes Regarding School-located Vaccination Clinics. Journal of School Health, 2013, 83, 299-305.	0.8	6
263	Computational epidemiology. Communications of the ACM, 2013, 56, 88-96.	3.3	93
264	An ACP Approach to Public Health Emergency Management: Using a Campus Outbreak of H1N1 Influenza as a Case Study. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 1028-1041.	5.9	36
265	A Review of Simulation Modelling Approaches Used for the Spread of Zoonotic Influenza Viruses in Animal and Human Populations. Zoonoses and Public Health, 2013, 60, 383-411.	0.9	32
266	Does homologous reinfection drive multiple-wave influenza outbreaks? Accounting for immunodynamics in epidemiological models. Epidemics, 2013, 5, 187-196.	1.5	22
267	Cost-effectiveness of childhood influenza vaccination in England and Wales: Results from a dynamic transmission model. Vaccine, 2013, 31, 927-942.	1.7	64
268	A complex system perspective on the emergence and spread of infectious diseases: Integrating economic and ecological aspects. Ecological Economics, 2013, 90, 124-131.	2.9	14
269	Quantifying the re-exposure process to an infectious agent. Measles and Varicella as examples. Mathematical Biosciences, 2013, 245, 31-39.	0.9	3
270	Number-needed-to-vaccinate calculations: Fallacies associated with exclusion of transmission. Vaccine, 2013, 31, 973-978.	1.7	14
271	Population-level differences in disease transmission: A Bayesian analysis of multiple smallpox epidemics. Epidemics, 2013, 5, 146-156.	1.5	15
272	Pathogen spread on coupled networks: Effect of host and network properties on transmission thresholds. Journal of Theoretical Biology, 2013, 320, 47-57.	0.8	10

#	ARTICLE	IF	CITATIONS
273	Sexually transmitted infections in polygamous mating systems. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120048.	1.8	48
274	Characterizing Poliovirus Transmission and Evolution: Insights from Modeling Experiences with Wild and Vaccine-Related Polioviruses. <i>Risk Analysis</i> , 2013, 33, 703-749.	1.5	89
275	Towards multiscale modeling of influenza infection. <i>Journal of Theoretical Biology</i> , 2013, 332, 267-290.	0.8	63
276	Behavioral Epidemiology of Infectious Diseases: An Overview. , 2013, , 1-19.		20
277	Capturing Human Behaviour: Is It Possible to Bridge the Gap Between Data and Models?. , 2013, , 311-321.		2
278	Incentives' Effect in Influenza Vaccination Policy. <i>Management Science</i> , 2013, 59, 2667-2686.	2.4	54
279	How human location-specific contact patterns impact spatial transmission between populations?. <i>Scientific Reports</i> , 2013, 3, 1468.	1.6	84
280	The rate of convergence to early asymptotic behaviour in age-structured epidemic models. <i>Theoretical Population Biology</i> , 2013, 85, 58-62.	0.5	4
281	Colonial seabirds' paralytic perfume slows lice down: An opportunity for parasite-mediated selection?. <i>International Journal for Parasitology</i> , 2013, 43, 399-407.	1.3	13
282	Introducing vaccination against serogroup B meningococcal disease: An economic and mathematical modelling study of potential impact. <i>Vaccine</i> , 2013, 31, 2638-2646.	1.7	129
283	Economic evaluation of vaccines: specificities and future challenges illustrated by recent European examples. <i>Expert Review of Vaccines</i> , 2013, 12, 555-565.	2.0	13
284	Heterogeneity in antibody range and the antigenic drift of influenza A viruses. <i>Ecological Complexity</i> , 2013, 14, 157-165.	1.4	3
285	Modelling HIV incidence and survival from age-specific seroprevalence after antiretroviral treatment scale-up in rural South Africa. <i>Aids</i> , 2013, 27, 2471-2479.	1.0	29
286	Pandemic influenza in Papua New Guinea: a modelling study comparison with pandemic spread in a developed country. <i>BMJ Open</i> , 2013, 3, e002518.	0.8	18
287	An interactive visualization interface for studying egocentric, categorical, contact diary datasets. , 2013, , .		2
288	Duration of Immunity to Norovirus Gastroenteritis. <i>Emerging Infectious Diseases</i> , 2013, 19, 1260-1267.	2.0	165
289	How the Dynamics and Structure of Sexual Contact Networks Shape Pathogen Phylogenies. <i>PLoS Computational Biology</i> , 2013, 9, e1003105.	1.5	43
290	Assessing Optimal Target Populations for Influenza Vaccination Programmes: An Evidence Synthesis and Modelling Study. <i>PLoS Medicine</i> , 2013, 10, e1001527.	3.9	249

#	ARTICLE	IF	CITATIONS
291	Hospital-Community Interactions Foster Coexistence between Methicillin-Resistant Strains of <i>Staphylococcus aureus</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003134.	2.1	61
292	A Data-Driven Mathematical Model of CA-MRSA Transmission among Age Groups: Evaluating the Effect of Control Interventions. <i>PLoS Computational Biology</i> , 2013, 9, e1003328.	1.5	21
293	Think globally, act locally: the role of local demographics and vaccination coverage in the dynamic response of measles infection to control. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120141.	1.8	43
294	Human mobility patterns predict divergent epidemic dynamics among cities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130763.	1.2	92
295	A framework of multilayer social networks for communication behavior with agent-based modeling. <i>Simulation</i> , 2013, 89, 810-828.	1.1	13
296	Social encounter networks: characterizing Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131037.	1.2	103
297	The impact of specific and non-specific immunity on the ecology of <i>Streptococcus pneumoniae</i> and the implications for vaccination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131939.	1.2	29
298	Implications of spatially heterogeneous vaccination coverage for the risk of congenital rubella syndrome in South Africa. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120756.	1.5	33
299	A Sign of Superspreading in Tuberculosis. <i>Epidemiology</i> , 2013, 24, 395-400.	1.2	54
300	Modeling the Role of Public Transportation in Sustaining Tuberculosis Transmission in South Africa. <i>American Journal of Epidemiology</i> , 2013, 177, 556-561.	1.6	99
301	The Impact of Illness on Social Networks: Implications for Transmission and Control of Influenza. <i>American Journal of Epidemiology</i> , 2013, 178, 1655-1662.	1.6	100
302	Hope-Simpson's Progressive Immunity Hypothesis as a Possible Explanation for Herpes Zoster Incidence Data. <i>American Journal of Epidemiology</i> , 2013, 177, 1134-1142.	1.6	35
303	Multiple Contributory Factors to the Age Distribution of Disease Cases: A Modeling Study in the Context of Influenza A(H3N2v). <i>Clinical Infectious Diseases</i> , 2013, 57, S23-S27.	2.9	13
304	Optimizing Vaccine Distribution for Different Age Groups of Population Using DE Algorithm. , 2013, , .		3
305	Increased transmissibility explains the third wave of infection by the 2009 H1N1 pandemic virus in England. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13422-13427.	3.3	60
306	A penalized likelihood approach to estimate within-household contact networks from egocentric data. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2013, 62, 629-648.	0.5	8
307	Household economic impact and attitudes toward school closures in two cities in Argentina during the 2009 influenza A (H1N1) pandemic. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 1308-1315.	1.5	14
308	Correlated Infections: Quantifying Individual Heterogeneity in the Spread of Infectious Diseases. <i>American Journal of Epidemiology</i> , 2013, 177, 474-486.	1.6	14

#	ARTICLE	IF	CITATIONS
309	Linking Contact Behavior and Droplet Patterns to Dynamically Model Indoor Respiratory Infections Among Schoolchildren. <i>Journal of Epidemiology</i> , 2013, 23, 251-261.	1.1	6
310	Healthy aging through lifelong vaccination: a tale of two countries. <i>Aging Health</i> , 2013, 9, 619-627.	0.3	0
311	Seroepidemiology of mumps in Europe (1996–2008): why do outbreaks occur in highly vaccinated populations?. <i>Epidemiology and Infection</i> , 2013, 141, 651-666.	1.0	51
312	Social contact patterns and leprosy disease: a case-control study in Bangladesh. <i>Epidemiology and Infection</i> , 2013, 141, 573-581.	1.0	19
313	Modelling pertussis transmission to evaluate the effectiveness of an adolescent booster in Argentina. <i>Epidemiology and Infection</i> , 2013, 141, 718-734.	1.0	19
314	Modeling the effect of transient populations on epidemics in Washington DC. <i>Scientific Reports</i> , 2013, 3, 3152.	1.6	19
315	Examination of Links Between Herpes Zoster Incidence and Childhood Varicella Vaccination. <i>Annals of Internal Medicine</i> , 2013, 159, 739.	2.0	117
316	Estimating the extent of household contact misclassification with index cases of disease in longitudinal studies using a stochastic simulation model. <i>Global Health Action</i> , 2013, 6, 19614.	0.7	5
317	Pediculosis among the children of different social status in Dhaka. <i>Bangladesh Journal of Zoology</i> , 2013, 40, 175-181.	0.2	2
318	Pneumococcal Transmission and Disease In Silico: A Microsimulation Model of the Indirect Effects of Vaccination. <i>PLoS ONE</i> , 2013, 8, e56079.	1.1	43
319	Balancing Evidence and Uncertainty when Considering Rubella Vaccine Introduction. <i>PLoS ONE</i> , 2013, 8, e67639.	1.1	27
320	Estimating Potential Infection Transmission Routes in Hospital Wards Using Wearable Proximity Sensors. <i>PLoS ONE</i> , 2013, 8, e73970.	1.1	266
321	Pandemic Influenza A/H1N1pdm in Italy: Age, Risk and Population Susceptibility. <i>PLoS ONE</i> , 2013, 8, e74785.	1.1	17
322	The Social Life of Infants in the Context of Infectious Disease Transmission; Social Contacts and Mixing Patterns of the Very Young. <i>PLoS ONE</i> , 2013, 8, e76180.	1.1	49
323	Interactions between Social Structure, Demography, and Transmission Determine Disease Persistence in Primates. <i>PLoS ONE</i> , 2013, 8, e76863.	1.1	11
324	Using a Dynamic Model to Consider Optimal Antiviral Stockpile Size in the Face of Pandemic Influenza Uncertainty. <i>PLoS ONE</i> , 2013, 8, e67253.	1.1	10
325	<i>Infectious Disease Modeling.</i> , 2014, , 40-46.		1
326	Informing Disease Models with Temporal and Spatial Contact Structure among GPS-Collared Individuals in Wild Populations. <i>PLoS ONE</i> , 2014, 9, e84368.	1.1	11

#	ARTICLE	IF	CITATIONS
327	Positive Network Assortativity of Influenza Vaccination at a High School: Implications for Outbreak Risk and Herd Immunity. PLoS ONE, 2014, 9, e87042.	1.1	76
328	Optimising Assessments of the Epidemiological Impact in the Netherlands of Paediatric Immunisation with 13-Valent Pneumococcal Conjugate Vaccine Using Dynamic Transmission Modelling. PLoS ONE, 2014, 9, e89415.	1.1	7
329	Disease Control Implications of India's Changing Multi-Drug Resistant Tuberculosis Epidemic. PLoS ONE, 2014, 9, e89822.	1.1	24
330	Modelling the Force of Infection for Hepatitis A in an Urban Population-Based Survey: A Comparison of Transmission Patterns in Brazilian Macro-Regions. PLoS ONE, 2014, 9, e94622.	1.1	30
331	Comparative Analysis of the Effectiveness of Three Immunization Strategies in Controlling Disease Outbreaks in Realistic Social Networks. PLoS ONE, 2014, 9, e95911.	1.1	5
332	The Effects of School Holidays on Transmission of Varicella Zoster Virus, England and Wales, 1967-2008. PLoS ONE, 2014, 9, e99762.	1.1	22
333	The Strength of Friendship Ties in Proximity Sensor Data. PLoS ONE, 2014, 9, e100915.	1.1	58
334	Quantifying Age-Related Rates of Social Contact Using Diaries in a Rural Coastal Population of Kenya. PLoS ONE, 2014, 9, e104786.	1.1	117
335	Comparison of Contact Patterns Relevant for Transmission of Respiratory Pathogens in Thailand and the Netherlands Using Respondent-Driven Sampling. PLoS ONE, 2014, 9, e113711.	1.1	37
336	The Possible Impact of Vaccination for Seasonal Influenza on Emergence of Pandemic Influenza via Reassortment. PLoS ONE, 2014, 9, e114637.	1.1	8
337	A Qualitative Exploration of Social Contact Patterns Relevant to Airborne Infectious Diseases in Northwest Bangladesh. Journal of Health, Population and Nutrition, 2014, 31, 424-34.	0.7	7
338	Simulation of influenza propagation: Model development, parameter estimation, and mitigation strategies. IIE Transactions on Healthcare Systems Engineering, 2014, 4, 27-48.	0.8	7
339	Timing of Tuberculosis Transmission and the Impact of Household Contact Tracing. An Agent-based Simulation Model. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 845-852.	2.5	80
340	Natural attack rate of influenza in unvaccinated children and adults: a meta-regression analysis. BMC Infectious Diseases, 2014, 14, 670.	1.3	57
341	School-Located Influenza Vaccination Decreases Laboratory-Confirmed Influenza and Improves School Attendance. Clinical Infectious Diseases, 2014, 59, 325-332.	2.9	65
342	Infection transmission and chronic disease models in the study of infection-associated cancers. British Journal of Cancer, 2014, 110, 7-11.	2.9	8
343	The Contribution of Social Behaviour to the Transmission of Influenza A in a Human Population. PLoS Pathogens, 2014, 10, e1004206.	2.1	84
344	Network epidemiology and plant trade networks. AoB PLANTS, 2014, 6, .	1.2	21

#	ARTICLE	IF	CITATIONS
345	Inferring Influenza Infection Attack Rate from Seroprevalence Data. <i>PLoS Pathogens</i> , 2014, 10, e1004054.	2.1	46
346	Inferring <i>Plasmodium vivax</i> Transmission Networks from Tempo-Spatial Surveillance Data. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2682.	1.3	23
347	The Spatial Resolution of Epidemic Peaks. <i>PLoS Computational Biology</i> , 2014, 10, e1003561.	1.5	22
348	Integrating Social Contact and Environmental Data in Evaluating Tuberculosis Transmission in a South African Township. <i>Journal of Infectious Diseases</i> , 2014, 210, 597-603.	1.9	98
349	Optimal Vaccine Distribution Strategy for Different Age Groups of Population: A Differential Evolution Algorithm Approach. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-7.	0.6	9
350	Association between population prevalence of smoking and incidence of meningococcal disease in Norway, Sweden, Denmark and the Netherlands between 1975 and 2009: a population-based time series analysis. <i>BMJ Open</i> , 2014, 4, e003312.	0.8	15
351	Modeling and Mining Spatiotemporal Social Contact of Metapopulation from Heterogeneous Data. , 2014, , .		5
352	Epidemiological Consequences of Imperfect Vaccines for Immunizing Infections. <i>SIAM Journal on Applied Mathematics</i> , 2014, 74, 1810-1830.	0.8	57
353	Multiplying numbers differently: an epidemiology of contagious convolution. <i>Distinktion</i> , 2014, 15, 189-207.	0.8	9
354	Measuring contact patterns with wearable sensors: methods, data characteristics and applications to data-driven simulations of infectious diseases. <i>Clinical Microbiology and Infection</i> , 2014, 20, 10-16.	2.8	76
355	Dynamics of Interacting Diseases. <i>Physical Review X</i> , 2014, 4, .	2.8	106
356	An online spatiotemporal prediction model for dengue fever epidemic in <sc>K</sc>aohsiung (<sc>T</sc>aiwan). <i>Biometrical Journal</i> , 2014, 56, 428-440.	0.6	21
357	Power law approximations of movement network data for modeling infectious disease spread. <i>Biometrical Journal</i> , 2014, 56, 363-382.	0.6	18
358	Public Health Emergency Planning for Children in Chemical, Biological, Radiological, and Nuclear (CBRN) Disasters. <i>Biosecurity and Bioterrorism</i> , 2014, 12, 201-207.	1.2	22
359	Association Between Antibody Titers and Protection Against Influenza Virus Infection Within Households. <i>Journal of Infectious Diseases</i> , 2014, 210, 684-692.	1.9	83
360	Assessing Mumps Outbreak Risk in Highly Vaccinated Populations Using Spatial Seroprevalence Data. <i>American Journal of Epidemiology</i> , 2014, 179, 1006-1017.	1.6	23
361	Estimates of the reproduction number for seasonal, pandemic, and zoonotic influenza: a systematic review of the literature. <i>BMC Infectious Diseases</i> , 2014, 14, 480.	1.3	423
362	A large-scale immuno-epidemiological simulation of influenza A epidemics. <i>BMC Public Health</i> , 2014, 14, 1019.	1.2	30

#	ARTICLE	IF	CITATIONS
363	Metapopulation epidemic models with heterogeneous mixing and travel behaviour. <i>Theoretical Biology and Medical Modelling</i> , 2014, 11, 3.	2.1	78
364	Mitigation of infectious disease at school: targeted class closure vs school closure. <i>BMC Infectious Diseases</i> , 2014, 14, 695.	1.3	150
365	Deciphering the relative weights of demographic transition and vaccination in the decrease of measles incidence in Italy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132676.	1.2	28
366	A Consensus Statement. <i>Pediatric Infectious Disease Journal</i> , 2014, 33, 284-290.	1.1	15
367	Social contacts and the locations in which they occur as risk factors for influenza infection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140709.	1.2	48
368	Theory and data for simulating fine-scale human movement in an urban environment. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140642.	1.5	53
369	Social mixing patterns in rural and urban areas of southern China. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140268.	1.2	132
370	Age-Specific Patterns of Influenza Activity in Utah: Do Older School Age Children Drive the Epidemic?. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2014, 3, 163-167.	0.6	5
371	A Marginal Benefit Approach for Vaccinating Influenza "Superspreaders". <i>Medical Decision Making</i> , 2014, 34, 536-549.	1.2	7
372	How should social mixing be measured: comparing web-based survey and sensor-based methods. <i>BMC Infectious Diseases</i> , 2014, 14, 136.	1.3	63
373	Common cold outbreaks: A network theory approach. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014, 19, 3994-4002.	1.7	0
374	Assessing risk perception and behavioral responses to influenza epidemics: linking information theory to probabilistic risk modeling. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 189-200.	1.9	9
375	Dynamics of stochastic epidemics on heterogeneous networks. <i>Journal of Mathematical Biology</i> , 2014, 68, 1583-1605.	0.8	14
376	Cholera transmission dynamic models for public health practitioners. <i>Emerging Themes in Epidemiology</i> , 2014, 11, 1.	1.2	74
377	What are the most important infectious diseases among those >65 years: a comprehensive analysis on notifiable diseases, Norway, 1993-2011. <i>BMC Infectious Diseases</i> , 2014, 14, 57.	1.3	19
378	The epidemiological impact of childhood influenza vaccination using live-attenuated influenza vaccine (LAIV) in Germany: predictions of a simulation study. <i>BMC Infectious Diseases</i> , 2014, 14, 40.	1.3	43
379	Cost-effective length and timing of school closure during an influenza pandemic depend on the severity. <i>Theoretical Biology and Medical Modelling</i> , 2014, 11, 5.	2.1	17
380	Socioeconomic status, family background and other key factors influence the management of head lice in Norway. <i>Parasitology Research</i> , 2014, 113, 1847-1861.	0.6	23

#	ARTICLE	IF	CITATIONS
381	Bayesian parameter inference for dynamic infectious disease modelling: rotavirus in Germany. <i>Statistics in Medicine</i> , 2014, 33, 1580-1599.	0.8	15
382	Dynamics of infectious diseases. <i>Reports on Progress in Physics</i> , 2014, 77, 026602.	8.1	103
383	Cohort Profile: The Study of Respiratory Pathogens in Andean Children. <i>International Journal of Epidemiology</i> , 2014, 43, 1021-1030.	0.9	17
384	Time Varying Frailty Models and the Estimation of Heterogeneities in Transmission of Infectious Diseases. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2014, 63, 141-158.	0.5	16
385	Examining Ontario's universal influenza immunization program with a multi-strain dynamic model. <i>Vaccine</i> , 2014, 32, 5098-5117.	1.7	9
386	The effectiveness of influenza vaccination in preventing hospitalizations in children in Hong Kong, 2009-2013. <i>Vaccine</i> , 2014, 32, 5278-5284.	1.7	56
387	The influence of age-age correlations on epidemic spreading in social network. <i>European Physical Journal B</i> , 2014, 87, 1.	0.6	3
388	4Flu - an individual based simulation tool to study the effects of quadrivalent vaccination on seasonal influenza in Germany. <i>BMC Infectious Diseases</i> , 2014, 14, 365.	1.3	39
389	A spatial simulation model for dengue virus infection in urban areas. <i>BMC Infectious Diseases</i> , 2014, 14, 447.	1.3	62
390	The relative importance of frequency of contacts and duration of exposure for the spread of directly transmitted infections. <i>Biostatistics</i> , 2014, 15, 470-483.	0.9	36
391	Decreasing household contribution to TB transmission with age: a retrospective geographic analysis of young people in a South African township. <i>BMC Infectious Diseases</i> , 2014, 14, 221.	1.3	37
392	Determining the dynamics of influenza transmission by age. <i>Emerging Themes in Epidemiology</i> , 2014, 11, 4.	1.2	13
394	Modelling the epidemiological impact of rotavirus vaccination in Germany - A Bayesian approach. <i>Vaccine</i> , 2014, 32, 5250-5257.	1.7	16
395	Socially structured human movement shapes dengue transmission despite the diffusive effect of mosquito dispersal. <i>Epidemics</i> , 2014, 6, 30-36.	1.5	109
396	Modeling the potential impact of vaccination on the epidemiology of congenital cytomegalovirus infection. <i>Vaccine</i> , 2014, 32, 3780-3786.	1.7	30
397	Probabilistic uncertainty analysis of epidemiological modeling to guide public health intervention policy. <i>Epidemics</i> , 2014, 6, 37-45.	1.5	29
398	Modeling rates of infection with transient maternal antibodies and waning active immunity: Application to <i>Bordetella pertussis</i> in Sweden. <i>Journal of Theoretical Biology</i> , 2014, 356, 123-132.	0.8	10
399	Links Between Herpes Zoster Incidence and Childhood Varicella Vaccination. <i>Annals of Internal Medicine</i> , 2014, 160, 582.	2.0	2

#	ARTICLE	IF	CITATIONS
400	Power-law models for infectious disease spread. <i>Annals of Applied Statistics</i> , 2014, 8, .	0.5	125
401	Modelled evaluation of multi-component meningococcal vaccine (Bexsero [®]) for the prevention of invasive meningococcal disease in infants and adolescents in the UK. <i>Epidemiology and Infection</i> , 2014, 142, 2000-2012.	1.0	9
402	Data on face-to-face contacts in an office building suggest a low-cost vaccination strategy based on community linkers. <i>Network Science</i> , 2015, 3, 326-347.	0.8	157
403	Modeling workplace contact networks: The effects of organizational structure, architecture, and reporting errors on epidemic predictions. <i>Network Science</i> , 2015, 3, 298-325.	0.8	30
404	Retrospective public health impact of a quadrivalent influenza vaccine in the United States. <i>Influenza and Other Respiratory Viruses</i> , 2015, 9, 39-46.	1.5	40
405	Interaction of Vaccination and Reduction of Antibiotic Use Drives Unexpected Increase of Pneumococcal Meningitis. <i>Scientific Reports</i> , 2015, 5, 11293.	1.6	14
406	The Scaling of Human Contacts and Epidemic Processes in Metapopulation Networks. <i>Scientific Reports</i> , 2015, 5, 15111.	1.6	24
408	The role of different social contexts in shaping influenza transmission during the 2009 pandemic. <i>Scientific Reports</i> , 2014, 4, 7218.	1.6	32
410	Compensating for population sampling in simulations of epidemic spread on temporal contact networks. <i>Nature Communications</i> , 2015, 6, 8860.	5.8	54
411	Testing the hypothesis of preferential attachment in social network formation. <i>EPJ Data Science</i> , 2015, 4, 13.	1.5	7
412	Spontaneous social distancing in response to a simulated epidemic: a virtual experiment. <i>BMC Public Health</i> , 2015, 15, 973.	1.2	36
413	Modeling optimal treatment strategies in a heterogeneous mixing model. <i>Theoretical Biology and Medical Modelling</i> , 2015, 12, 28.	2.1	7
414	Tracking social contact networks with online respondent-driven detection: who recruits whom?. <i>BMC Infectious Diseases</i> , 2015, 15, 522.	1.3	12
415	Enhancing Syndromic Surveillance With Online Respondent-Driven Detection. <i>American Journal of Public Health</i> , 2015, 105, e90-e97.	1.5	10
416	Cost-effectiveness evaluation of quadrivalent influenza vaccines for seasonal influenza prevention: a dynamic modeling study of Canada and the United Kingdom. <i>BMC Infectious Diseases</i> , 2015, 15, 465.	1.3	34
417	Social encounter profiles of greater Melbourne residents, by location – a telephone survey. <i>BMC Infectious Diseases</i> , 2015, 15, 494.	1.3	15
418	Whooping cough dynamics in Chile (1932–2010): disease temporal fluctuations across a north-south gradient. <i>BMC Infectious Diseases</i> , 2015, 15, 590.	1.3	7
419	Detecting signals of seasonal influenza severity through age dynamics. <i>BMC Infectious Diseases</i> , 2015, 15, 587.	1.3	15

#	ARTICLE	IF	CITATIONS
420	Extending the elderly- and risk-group programme of vaccination against seasonal influenza in England and Wales: a cost-effectiveness study. <i>BMC Medicine</i> , 2015, 13, 236.	2.3	59
421	Evaluation of containment and mitigation strategies for an influenza A pandemic in China. <i>Simulation</i> , 2015, 91, 407-416.	1.1	11
422	Influenza vaccine efficacy trials: a simulation approach to understand failures from the past. <i>Pharmaceutical Statistics</i> , 2015, 14, 294-301.	0.7	2
423	Vaccination Games with Peer Effects in a Heterogeneous Hospital Worker Population. <i>Administrative Sciences</i> , 2015, 5, 2-26.	1.5	1
424	Inferring a District-Based Hierarchical Structure of Social Contacts from Census Data. <i>PLoS ONE</i> , 2015, 10, e0118085.	1.1	2
425	Prior Population Immunity Reduces the Expected Impact of CTL-Inducing Vaccines for Pandemic Influenza Control. <i>PLoS ONE</i> , 2015, 10, e0120138.	1.1	10
426	Animal Ownership and Touching Enrich the Context of Social Contacts Relevant to the Spread of Human Infectious Diseases. <i>PLoS ONE</i> , 2015, 10, e0133461.	1.1	13
427	Contact Patterns in a High School: A Comparison between Data Collected Using Wearable Sensors, Contact Diaries and Friendship Surveys. <i>PLoS ONE</i> , 2015, 10, e0136497.	1.1	337
428	Big Data Applications in Health Sciences and Epidemiology. <i>Handbook of Statistics</i> , 2015, , 171-202.	0.4	9
429	Pertussis models to inform vaccine policy. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 669-678.	1.4	9
430	Accounting for behavioral responses during a flu epidemic using home television viewing. <i>BMC Infectious Diseases</i> , 2015, 15, 21.	1.3	43
431	A Household-Based Study of Contact Networks Relevant for the Spread of Infectious Diseases in the Highlands of Peru. <i>PLoS ONE</i> , 2015, 10, e0118457.	1.1	78
432	Global circulation patterns of seasonal influenza viruses vary with antigenic drift. <i>Nature</i> , 2015, 523, 217-220.	13.7	445
433	Early vaccine availability represents an important public health advance for the control of pandemic influenza. <i>BMC Research Notes</i> , 2015, 8, 191.	0.6	8
434	Nine challenges for deterministic epidemic models. <i>Epidemics</i> , 2015, 10, 49-53.	1.5	112
435	Influenza A Virus Shedding and Infectivity in Households. <i>Journal of Infectious Diseases</i> , 2015, 212, 1420-1428.	1.9	92
436	Understanding Herd Immunity. <i>Trends in Immunology</i> , 2015, 36, 753-755.	2.9	102
437	Modeling the Effect of Herd Immunity and Contagiousness in Mitigating a Smallpox Outbreak. <i>Medical Decision Making</i> , 2015, 35, 648-659.	1.2	7

#	ARTICLE	IF	CITATIONS
438	Pandemic Influenza and Health System Resource Gaps in Bali. <i>Asia-Pacific Journal of Public Health</i> , 2015, 27, NP713-NP733.	0.4	5
439	Age- and Sex-Specific Social Contact Patterns and Incidence of <i>Mycobacterium tuberculosis</i> Infection. <i>American Journal of Epidemiology</i> , 2016, 183, kww160.	1.6	110
440	An elaboration of theory about preventing outbreaks in homogeneous populations to include heterogeneity or preferential mixing. <i>Journal of Theoretical Biology</i> , 2015, 386, 177-187.	0.8	43
441	Distribution of Health Effects and Cost-effectiveness of Varicella Vaccination are Shaped by the Impact on Herpes Zoster. <i>EBioMedicine</i> , 2015, 2, 1494-1499.	2.7	31
442	Controlling measles using supplemental immunization activities: A mathematical model to inform optimal policy. <i>Vaccine</i> , 2015, 33, 1291-1296.	1.7	64
443	Predicting localised measles outbreak potential in Australia. <i>Vaccine</i> , 2015, 33, 1176-1181.	1.7	3
444	Pertussis. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 108-117.	1.4	48
445	Infectious disease transmission and behavioural allometry in wild mammals. <i>Journal of Animal Ecology</i> , 2015, 84, 637-646.	1.3	54
446	Combating pertussis resurgence: One booster vaccination schedule does not fit all. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E472-7.	3.3	25
447	Lice update: New solutions to an old problem. <i>Clinics in Dermatology</i> , 2015, 33, 347-354.	0.8	16
448	Sport, how people choose it: A network analysis approach. <i>European Journal of Sport Science</i> , 2015, 15, 414-423.	1.4	1
449	Population Behavior Patterns in Response to the Risk of Influenza A(H7N9) in Hong Kong, December 2013–February 2014. <i>International Journal of Behavioral Medicine</i> , 2015, 22, 672-682.	0.8	20
450	New coronavirus outbreak. Lessons learned from the severe acute respiratory syndrome epidemic. <i>Epidemiology and Infection</i> , 2015, 143, 2882-2893.	1.0	6
451	Characterizing the Transmission Potential of Zoonotic Infections from Minor Outbreaks. <i>PLoS Computational Biology</i> , 2015, 11, e1004154.	1.5	24
452	An effective immunization strategy for airborne epidemics in modular and hierarchical social contact network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 439, 142-149.	1.2	4
453	Causal analysis of H1N1pdm09 influenza infection risk in a household cohort. <i>Journal of Epidemiology and Community Health</i> , 2015, 69, 272-277.	2.0	11
454	Estimating dynamic transmission model parameters for seasonal influenza by fitting to age and season-specific influenza-like illness incidence. <i>Epidemics</i> , 2015, 13, 1-9.	1.5	46
455	The Impact of 2-Dose Routine Measles, Mumps, Rubella, and Varicella Vaccination in France on the Epidemiology of Varicella and Zoster Using a Dynamic Model With an Empirical Contact Matrix. <i>Clinical Therapeutics</i> , 2015, 37, 816-829.e10.	1.1	17

#	ARTICLE	IF	CITATIONS
456	Six challenges in measuring contact networks for use in modelling. <i>Epidemics</i> , 2015, 10, 72-77.	1.5	74
457	Coupled diseaseâ€“behavior dynamics on complex networks: A review. <i>Physics of Life Reviews</i> , 2015, 15, 1-29.	1.5	385
458	Effectiveness of contact investigations for tuberculosis control in Arkansas. <i>Journal of Theoretical Biology</i> , 2015, 380, 238-246.	0.8	12
459	Quantifying Parameter and Structural Uncertainty of Dynamic Disease Transmission Models Using MCMC. <i>Medical Decision Making</i> , 2015, 35, 633-647.	1.2	13
460	Environmental Drivers of the Spatiotemporal Dynamics of Respiratory Syncytial Virus in the United States. <i>PLoS Pathogens</i> , 2015, 11, e1004591.	2.1	119
461	Engineering Effective Responses to Influenza Outbreaks. <i>Service Science</i> , 2015, 7, 119-131.	0.9	6
462	Standardizing Scenarios to Assess the Need to Respond to an Influenza Pandemic. <i>Clinical Infectious Diseases</i> , 2015, 60, S1-S8.	2.9	29
463	A review of typhoid fever transmission dynamic models and economic evaluations of vaccination. <i>Vaccine</i> , 2015, 33, C42-C54.	1.7	37
464	Impact of influenza vaccination on respiratory illness rates in children attending private boarding schools in England, 2013â€“2014: a cohort study. <i>Epidemiology and Infection</i> , 2015, 143, 3405-3415.	1.0	5
465	Mathematical and computational approaches to epidemic modeling: a comprehensive review. <i>Frontiers of Computer Science</i> , 2015, 9, 806-826.	1.6	55
466	Changing social contact patterns under tropical weather conditions relevant for the spread of infectious diseases. <i>Epidemiology and Infection</i> , 2015, 143, 440-451.	1.0	12
467	Social contact patterns of school-age children in Taiwan: comparison of the term time and holiday periods. <i>Epidemiology and Infection</i> , 2015, 143, 1139-1147.	1.0	14
468	A Change in Vaccine Efficacy and Duration of Protection Explains Recent Rises in Pertussis Incidence in the United States. <i>PLoS Computational Biology</i> , 2015, 11, e1004138.	1.5	85
469	Control of varicella in the post-vaccination era in Australia: a model-based assessment of catch-up and infant vaccination strategies for the future. <i>Epidemiology and Infection</i> , 2015, 143, 1467-1476.	1.0	7
470	The impact of demographic changes on the epidemiology of herpes zoster: Spain as a case study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142509.	1.2	30
471	Joint modelling of serological and hospitalization data reveals that high levels of pre-existing immunity and school holidays shaped the influenza A pandemic of 2009 in The Netherlands. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141244.	1.5	29
472	Choosing between 7-, 10- and 13-valent pneumococcal conjugate vaccines in childhood: A review of economic evaluations (2006â€“2014). <i>Vaccine</i> , 2015, 33, 1633-1658.	1.7	42
473	Seven challenges in modeling vaccine preventable diseases. <i>Epidemics</i> , 2015, 10, 11-15.	1.5	31

#	ARTICLE	IF	CITATIONS
474	Targeted vaccination in healthy school children – Can primary school vaccination alone control influenza?. <i>Vaccine</i> , 2015, 33, 5415-5424.	1.7	17
475	Analysis of influenza transmission in the households of primary and junior high school students during the 2012–13 influenza season in Odate, Japan. <i>BMC Infectious Diseases</i> , 2015, 15, 282.	1.3	12
476	The impact of aggregating serogroups in dynamic models of <i>Neisseria meningitidis</i> transmission. <i>BMC Infectious Diseases</i> , 2015, 15, 300.	1.3	7
477	SIS and SIR Epidemic Models Under Virtual Dispersal. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 2004-2034.	0.9	72
478	Effect of Ebola Progression on Transmission and Control in Liberia. <i>Annals of Internal Medicine</i> , 2015, 162, 11-17.	2.0	83
479	On the relative role of different age groups in influenza epidemics. <i>Epidemics</i> , 2015, 13, 10-16.	1.5	128
480	The epidemiological advantage of preferential targeting of tuberculosis control at the poor. <i>International Journal of Tuberculosis and Lung Disease</i> , 2015, 19, 375-380.	0.6	34
481	Optimizing agent-based transmission models for infectious diseases. <i>BMC Bioinformatics</i> , 2015, 16, 183.	1.2	17
482	A dynamic transmission model with age-dependent infectiousness and reactivation for cytomegalovirus in the United States: Potential impact of vaccination strategies on congenital infection. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 1788-1802.	1.4	14
483	The effects of demographic change on disease transmission and vaccine impact in a household structured population. <i>Epidemics</i> , 2015, 13, 56-64.	1.5	50
484	Association of Influenza Vaccination Coverage in Younger Adults With Influenza-Related Illness in the Elderly. <i>Clinical Infectious Diseases</i> , 2015, 61, 1495-1503.	2.9	18
485	Methods for Cellular Automata and Evolution Systems in Modelling and Simulation. <i>IFAC-PapersOnLine</i> , 2015, 48, 141-146.	0.5	9
486	Quantifying seasonal population fluxes driving rubella transmission dynamics using mobile phone data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11114-11119.	3.3	124
487	The social contact hypothesis under the assumption of endemic equilibrium: Elucidating the transmission potential of VZV in Europe. <i>Epidemics</i> , 2015, 11, 14-23.	1.5	27
488	Social deprivation and burden of influenza: Testing hypotheses and gaining insights from a simulation model for the spread of influenza. <i>Epidemics</i> , 2015, 11, 71-79.	1.5	8
489	Defining long-term drivers of pertussis resurgence, and optimal vaccine control strategies. <i>Vaccine</i> , 2015, 33, 5794-5800.	1.7	25
490	Nine challenges in incorporating the dynamics of behaviour in infectious diseases models. <i>Epidemics</i> , 2015, 10, 21-25.	1.5	174
491	Eco-social determinants of <i>Schistosoma japonicum</i> infection supported by multi-level modelling in Eryuan county, People's Republic of China. <i>Acta Tropica</i> , 2015, 141, 391-398.	0.9	12

#	ARTICLE	IF	CITATIONS
492	Evaluation of serogroup C and ACWY meningococcal vaccine programs: Projected impact on disease burden according to a stochastic two-strain dynamic model. <i>Vaccine</i> , 2015, 33, 268-275.	1.7	17
493	Modeling infection spread and behavioral change using spatial games. <i>Health Systems</i> , 2015, 4, 41-53.	0.9	16
494	Influenza surveillance and forecast with smartphone sensors. <i>Computing (Vienna/New York)</i> , 2015, 97, 237-259.	3.2	0
495	Nine challenges in modelling the emergence of novel pathogens. <i>Epidemics</i> , 2015, 10, 35-39.	1.5	60
496	Public health impact and cost-effectiveness of intranasal live attenuated influenza vaccination of children in Germany. <i>European Journal of Health Economics</i> , 2015, 16, 471-488.	1.4	32
497	An operational epidemiological model for calibrating agent-based simulations of pandemic influenza outbreaks. <i>Health Care Management Science</i> , 2016, 19, 1-19.	1.5	14
498	Reflections of the social environment in chimpanzee memory: applying rational analysis beyond humans. <i>Royal Society Open Science</i> , 2016, 3, 160293.	1.1	6
499	Improving Control of Tuberculosis in Low-Burden Countries: Insights from Mathematical Modeling. <i>Frontiers in Microbiology</i> , 2016, 7, 394.	1.5	9
500	Contact diaries versus wearable proximity sensors in measuring contact patterns at a conference: method comparison and participants' attitudes. <i>BMC Infectious Diseases</i> , 2016, 16, 341.	1.3	50
501	Revealing the True Incidence of Pandemic A(H1N1)pdm09 Influenza in Finland during the First Two Seasons – An Analysis Based on a Dynamic Transmission Model. <i>PLoS Computational Biology</i> , 2016, 12, e1004803.	1.5	16
502	Estimates of Social Contact in a Middle School Based on Self-Report and Wireless Sensor Data. <i>PLoS ONE</i> , 2016, 11, e0153690.	1.1	25
503	Social Contact Networks and Mixing among Students in K-12 Schools in Pittsburgh, PA. <i>PLoS ONE</i> , 2016, 11, e0151139.	1.1	18
504	Vaccine Timeliness. <i>Pediatric Infectious Disease Journal</i> , 2016, 35, 542-547.	1.1	17
505	One-Health Simulation Modelling: Assessment of Control Strategies Against the Spread of Influenza between Swine and Human Populations Using NAADSM. <i>Transboundary and Emerging Diseases</i> , 2016, 63, e229-e244.	1.3	5
506	Between the Living and Undead: How Zombie Cinema Reflects the Social Construction of Risk, the Anxious Self, and Disease Pandemic. <i>Sociological Quarterly</i> , 2016, 57, 628-653.	0.8	11
507	Risk factors for <i>Mycobacterium tuberculosis</i> infection in 4 year olds in a rural HIV-prevalent setting. <i>International Journal of Tuberculosis and Lung Disease</i> , 2016, 20, 342-349.	0.6	6
508	Cost-effectiveness analysis of the direct and indirect impact of intranasal live attenuated influenza vaccination strategies in children: alternative country profiles. <i>Journal of Market Access & Health Policy</i> , 2016, 4, 31205.	0.8	6
509	Social inheritance can explain the structure of animal social networks. <i>Nature Communications</i> , 2016, 7, 12084.	5.8	108

#	ARTICLE	IF	CITATIONS
510	Rumor Propagation in Temporal Contact Network from Polish Polls. , 2016, , .		2
511	Behavioural change models for infectious disease transmission: a systematic review (2010â€“2015). Journal of the Royal Society Interface, 2016, 13, 20160820.	1.5	252
512	Predicting and containing epidemic risk using friendship networks. , 2016, , .		5
513	Contact, travel, and transmission: The impact of winter holidays on influenza dynamics in the United States. Journal of Infectious Diseases, 2017, 215, jiw642.	1.9	37
514	The impact of the sociodemographic structure of deaf people communities on the prevalence of hereditary hearing loss. Russian Journal of Genetics: Applied Research, 2016, 6, 854-863.	0.4	1
515	Incorporating social contact data in spatio-temporal models for infectious disease spread. Biostatistics, 2017, 18, kxw051.	0.9	29
516	Explaining the geographical origins of seasonal influenza A (H3N2). Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161312.	1.2	21
517	Pandemic Risk Assessment Model (PRAM): a mathematical modeling approach to pandemic influenza planning. Epidemiology and Infection, 2016, 144, 3400-3411.	1.0	3
518	Relevance of workplace social mixing during influenza pandemics: an experimental modelling study of workplace cultures. Epidemiology and Infection, 2016, 144, 2031-2042.	1.0	9
519	Potential impact of spatially targeted adult tuberculosis vaccine in Gujarat, India. Journal of the Royal Society Interface, 2016, 13, 20151016.	1.5	18
520	Using age-stratified incidence data to examine the transmission consequences of pertussis vaccination. Epidemics, 2016, 16, 1-7.	1.5	2
521	Model-based reconstruction of an epidemic using multiple datasets: understanding influenza A/H1N1 pandemic dynamics in Israel. Journal of the Royal Society Interface, 2016, 13, 20160099.	1.5	6
522	Incorporating Transmission Into Causal Models of Infectious Diseases for Improved Understanding of the Effect and Impact of Risk Factors. American Journal of Epidemiology, 2016, 183, 574-582.	1.6	11
523	Economic Evaluation of Vaccination Programmes in Older Adults and the Elderly: Important Issues and Challenges. Pharmacoeconomics, 2016, 34, 723-731.	1.7	9
524	Influenza in workplaces: transmission, workersâ€™ adherence to sick leave advice and European sick leave recommendations. European Journal of Public Health, 2016, 26, 478-485.	0.1	53
525	Cost Effectiveness of Influenza Vaccine for U.S. Children. American Journal of Preventive Medicine, 2016, 51, 309-317.	1.6	11
526	Dynamic population flow based risk analysis of infectious disease propagation in a metropolis. Environment International, 2016, 94, 369-379.	4.8	33
527	Quantifying the role of weather on seasonal influenza. BMC Public Health, 2016, 16, 441.	1.2	38

#	ARTICLE	IF	CITATIONS
528	Investigating the pertussis resurgence in England and Wales, and options for future control. <i>BMC Medicine</i> , 2016, 14, 121.	2.3	52
529	Clustering of contacts relevant to the spread of infectious disease. <i>Epidemics</i> , 2016, 17, 1-9.	1.5	17
530	Informing rubella vaccination strategies in East Java, Indonesia through transmission modelling. <i>Vaccine</i> , 2016, 34, 5636-5642.	1.7	9
531	Fast and accurate dynamic estimation of field effectiveness of meningococcal vaccines. <i>BMC Medicine</i> , 2016, 14, 98.	2.3	10
532	Catching Social Butterflies: Identifying Influential Users of an Event-Based Social Networking Service. , 2016, , .		1
533	The role of surveillance in assuring mutual protection for vaccine-preventable diseases. <i>Clinical Microbiology and Infection</i> , 2016, 22, S85-S88.	2.8	2
534	Cost-effectiveness analysis of antiviral treatment in the management of seasonal influenza A: point-of-care rapid test versus clinical judgment. <i>Influenza and Other Respiratory Viruses</i> , 2016, 10, 113-121.	1.5	10
535	Inferring rubella outbreak risk from seroprevalence data in Belgium. <i>Vaccine</i> , 2016, 34, 6187-6192.	1.7	8
536	Infection-induced behavioural changes reduce connectivity and the potential for disease spread in wild mice contact networks. <i>Scientific Reports</i> , 2016, 6, 31790.	1.6	145
537	Estimating enhanced prevaccination measles transmission hotspots in the context of cross-scale dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14595-14600.	3.3	17
538	epiDMS: Data Management and Analytics for Decision-Making From Epidemic Spread Simulation Ensembles. <i>Journal of Infectious Diseases</i> , 2016, 214, S427-S432.	1.9	20
539	Influence of Population Demography and Immunization History on the Impact of an Antenatal Pertussis Program. <i>Clinical Infectious Diseases</i> , 2016, 63, S213-S220.	2.9	5
540	Cost-Effectiveness of Rotavirus Vaccination in France—Accounting for Indirect Protection. <i>Value in Health</i> , 2016, 19, 811-819.	0.1	8
541	Cost-Utility of Quadrivalent Versus Trivalent Influenza Vaccine in Germany, Using an Individual-Based Dynamic Transmission Model. <i>Pharmacoeconomics</i> , 2016, 34, 1299-1308.	1.7	34
542	The Clinical Impact and Cost Effectiveness of Quadrivalent Versus Trivalent Influenza Vaccination in Finland. <i>Pharmacoeconomics</i> , 2016, 34, 939-951.	1.7	18
543	Potential impact of a ventilation intervention for influenza in the context of a dense indoor contact network in Hong Kong. <i>Science of the Total Environment</i> , 2016, 569-570, 373-381.	3.9	22
544	Targeting pediatric versus elderly populations for norovirus vaccines: a model-based analysis of mass vaccination options. <i>Epidemics</i> , 2016, 17, 42-49.	1.5	26
545	Statistical physics of vaccination. <i>Physics Reports</i> , 2016, 664, 1-113.	10.3	734

#	ARTICLE	IF	CITATIONS
546	Potent protection against H5N1 and H7N9 influenza via childhood hemagglutinin imprinting. <i>Science</i> , 2016, 354, 722-726.	6.0	375
547	The most efficient critical vaccination coverage and its equivalence with maximizing the herd effect. <i>Mathematical Biosciences</i> , 2016, 282, 68-81.	0.9	20
548	Extension of influenza immunization program to children in England – Future plans. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 2707-2708.	1.4	6
549	The Relationship Between School Holidays and Transmission of Influenza in England and Wales. <i>American Journal of Epidemiology</i> , 2016, 184, 644-651.	1.6	53
550	Vaccination strategies against respiratory syncytial virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13239-13244.	3.3	70
552	Dynamic communicability and epidemic spread: a case study on an empirical dynamic contact network. <i>Journal of Complex Networks</i> , 2016, , cnw017.	1.1	4
553	Illness absenteeism rates in primary and secondary schools in 2013–2014 in England: was there any impact of vaccinating children of primary-school age against influenza?. <i>Epidemiology and Infection</i> , 2016, 144, 3412-3421.	1.0	3
554	Social contacts, vaccination decisions and influenza in Japan. <i>Journal of Epidemiology and Community Health</i> , 2016, 70, 162-167.	2.0	77
555	Disease-emergence dynamics and control in a socially-structured wildlife species. <i>Scientific Reports</i> , 2016, 6, 25150.	1.6	16
556	Reconstructing a spatially heterogeneous epidemic: Characterising the geographic spread of 2009 A/H1N1pdm infection in England. <i>Scientific Reports</i> , 2016, 6, 29004.	1.6	11
557	Forecasting Epidemiological Consequences of Maternal Immunization. <i>Clinical Infectious Diseases</i> , 2016, 63, S205-S212.	2.9	17
558	School closure policies at municipality level for mitigating influenza spread: a model-based evaluation. <i>BMC Infectious Diseases</i> , 2016, 16, 576.	1.3	22
559	Influence of social contact patterns and demographic factors on influenza simulation results. <i>BMC Infectious Diseases</i> , 2016, 16, 646.	1.3	11
560	Recalibrating disease parameters for increasing realism in modeling epidemics in closed settings. <i>BMC Infectious Diseases</i> , 2016, 16, 676.	1.3	9
561	Coverage, efficacy or dosing interval: which factor predominantly influences the impact of routine childhood vaccination for the prevention of varicella? A model-based study for Italy. <i>BMC Public Health</i> , 2016, 16, 1103.	1.2	26
562	Quantifying social contacts in a household setting of rural Kenya using wearable proximity sensors. <i>EPJ Data Science</i> , 2016, 5, 21.	1.5	51
563	Estimating transmission probability in schools for the 2009 H1N1 influenza pandemic in Italy. <i>Theoretical Biology and Medical Modelling</i> , 2016, 13, 19.	2.1	6
564	Success <i>Something to Sneeze At: Influenza Mortality in Cities that Participate in the Super Bowl. <i>American Journal of Health Economics</i> , 2016, 2, 125-143.	1.4	36

#	ARTICLE	IF	CITATIONS
565	Cost-Effectiveness of Pertussis Vaccination During Pregnancy in the United States. <i>American Journal of Epidemiology</i> , 2016, 183, 1159-1170.	1.6	43
566	Diffusion Models. <i>Lecture Notes in Social Networks</i> , 2016, , 97-121.	0.8	3
567	Comparison of the social contact patterns among school-age children in specific seasons, locations, and times. <i>Epidemics</i> , 2016, 14, 36-44.	1.5	9
568	Epidemic cycling in a multi-strain SIRS epidemic network model. <i>Theoretical Biology and Medical Modelling</i> , 2016, 13, 14.	2.1	5
569	Estimates of the Public Health Impact of a Pediatric Vaccination Program Using an Intranasal Tetravalent Live-Attenuated Influenza Vaccine in Belgium. <i>Paediatric Drugs</i> , 2016, 18, 303-318.	1.3	7
570	Childhood and adolescent influenza vaccination in Europe: A review of current policies and recommendations for the future. <i>Expert Review of Vaccines</i> , 2016, 15, 659-670.	2.0	13
571	One-Health Simulation Modelling: A Case Study of Influenza Spread between Human and Swine Populations using NAADSM. <i>Transboundary and Emerging Diseases</i> , 2016, 63, 36-55.	1.3	12
572	Alters as species: Predicting personal network size from contact diaries. <i>Social Networks</i> , 2016, 45, 78-88.	1.3	10
573	Current and future effects of varicella and herpes zoster vaccination in Germany – Insights from a mathematical model in a country with universal varicella vaccination. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 1-11.	1.4	21
574	A theoretical framework to identify invariant thresholds in infectious disease epidemiology. <i>Journal of Theoretical Biology</i> , 2016, 395, 97-102.	0.8	7
575	Design and methods of a social network isolation study for reducing respiratory infection transmission: The eX-FLU cluster randomized trial. <i>Epidemics</i> , 2016, 15, 38-55.	1.5	31
576	Laboratory diagnosis of Ebola virus disease and corresponding biosafety considerations in the China Ebola Treatment Center. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2016, 53, 326-340.	2.7	6
577	Egocentric contact networks in comparison: Taiwan and Hungary. <i>Social Networks</i> , 2016, 44, 253-265.	1.3	19
578	Cross-Cultural Household Influence on Vaccination Decisions. <i>Medical Decision Making</i> , 2016, 36, 844-853.	1.2	13
579	Exploring the population-level impact of MenB vaccination via modeling: Potential for serogroup replacement. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 451-466.	1.4	6
580	Head lice predictors and infestation dynamics among primary school children in Norway. <i>Family Practice</i> , 2016, 33, 23-29.	0.8	30
581	Modeling the impact of rubella vaccination in Vietnam. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 150-158.	1.4	13
582	Capturing the dynamics of pathogens with many strains. <i>Journal of Mathematical Biology</i> , 2016, 72, 1-24.	0.8	69

#	ARTICLE	IF	CITATIONS
583	Capturing norovirus transmission. <i>Current Opinion in Virology</i> , 2017, 22, 64-70.	2.6	39
584	Estimation of age-specific rates of reactivation and immune boosting of the varicella zoster virus. <i>Epidemics</i> , 2017, 19, 1-12.	1.5	14
585	Demographics, epidemiology and the impact of vaccination campaigns in a measles-free world – Can elimination be maintained?. <i>Vaccine</i> , 2017, 35, 1488-1493.	1.7	17
586	Age-specific mixing generates transient outbreak risk following critical-level vaccination. <i>Epidemiology and Infection</i> , 2017, 145, 12-22.	1.0	4
587	Mathematical epidemiology: Past, present, and future. <i>Infectious Disease Modelling</i> , 2017, 2, 113-127.	1.2	241
588	Effect of mass paediatric influenza vaccination on existing influenza vaccination programmes in England and Wales: a modelling and cost-effectiveness analysis. <i>Lancet Public Health</i> , The, 2017, 2, e74-e81.	4.7	42
589	Characterising pandemic severity and transmissibility from data collected during first few hundred studies. <i>Epidemics</i> , 2017, 19, 61-73.	1.5	36
590	Key data for outbreak evaluation: building on the Ebola experience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160371.	1.8	70
591	Efficient estimation of age-specific social contact rates between men and women. <i>Annals of Applied Statistics</i> , 2017, 11, .	0.5	37
592	Prevalence of latent TB infection and TB disease among adolescents in high TB burden countries in Africa: a systematic review protocol. <i>BMJ Open</i> , 2017, 7, e014609.	0.8	3
593	Systematic review and meta-analysis of indirect protection afforded by vaccinating children against seasonal influenza: implications for policy. <i>Clinical Infectious Diseases</i> , 2017, 65, 719-728.	2.9	27
594	Determining the Best Strategies for Maternally Targeted Pertussis Vaccination Using an Individual-Based Model. <i>American Journal of Epidemiology</i> , 2017, 186, 109-117.	1.6	9
595	Direct and indirect effects of influenza vaccination. <i>BMC Infectious Diseases</i> , 2017, 17, 308.	1.3	57
596	Risk stratification in compartmental epidemic models: Where to draw the line?. <i>Journal of Theoretical Biology</i> , 2017, 428, 1-17.	0.8	5
597	Estimating Direct and Indirect Protective Effect of Influenza Vaccination in the United States. <i>American Journal of Epidemiology</i> , 2017, 186, 92-100.	1.6	31
598	Population effect of influenza vaccination under co-circulation of non-vaccine variants and the case for a bivalent A/H3N2 vaccine component. <i>Epidemics</i> , 2017, 19, 74-82.	1.5	4
599	Who acquires infection from whom and how? Disentangling multi-host and multi-mode transmission dynamics in the “elimination” era. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160091.	1.8	73
600	Monitoring the fitness of antiviral-resistant influenza strains during an epidemic: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 339-347.	4.6	27

#	ARTICLE	IF	CITATIONS
601	Assessment of Public Health and Economic Impact of Intranasal Live-Attenuated Influenza Vaccination of Children in France Using a Dynamic Transmission Model. <i>Applied Health Economics and Health Policy</i> , 2017, 15, 261-276.	1.0	12
602	Detecting a Surprisingly Low Transmission Distance in the Early Phase of the 2009 Influenza Pandemic. <i>Scientific Reports</i> , 2017, 7, 12324.	1.6	9
603	Potential impact of a maternal vaccine for RSV: A mathematical modelling study. <i>Vaccine</i> , 2017, 35, 6172-6179.	1.7	32
604	Demographically framing trade-offs between sensitivity and specificity illuminates selection on immunity. <i>Nature Ecology and Evolution</i> , 2017, 1, 1766-1772.	3.4	24
605	Influenza vaccination status and outcomes among influenza-associated hospitalizations in Columbus, Ohio (2012-2015). <i>Epidemiology and Infection</i> , 2017, 145, 3284-3293.	1.0	5
606	Contacts of healthcare workers, patients and visitors in general wards in Singapore. <i>Epidemiology and Infection</i> , 2017, 145, 3085-3095.	1.0	22
607	Host population structure and treatment frequency maintain balancing selection on drug resistance. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170295.	1.5	32
608	Identifying transmission routes of <i>Streptococcus pneumoniae</i> and sources of acquisitions in high transmission communities. <i>Epidemiology and Infection</i> , 2017, 145, 2750-2758.	1.0	52
609	A Child's Health Is the Public's Health: Progress and Gaps in Addressing Pediatric Needs in Public Health Emergencies. <i>American Journal of Public Health</i> , 2017, 107, S134-S137.	1.5	24
610	Social contact patterns relevant to the spread of respiratory infectious diseases in Hong Kong. <i>Scientific Reports</i> , 2017, 7, 7974.	1.6	107
611	Estimating the epidemic risk using non-uniformly sampled contact data. <i>Scientific Reports</i> , 2017, 7, 9975.	1.6	12
612	Social Contact Patterns in an Individual-based Simulator for the Transmission of Infectious Diseases (Stride). <i>Procedia Computer Science</i> , 2017, 108, 2438-2442.	1.2	14
613	Big data analytics for transport systems to achieve environmental sustainability. , 2017, , .		3
614	Place-based social contact and mixing: a typology of generic meeting places of relevance for infectious disease transmission. <i>Epidemiology and Infection</i> , 2017, 145, 2582-2593.	1.0	11
615	Simulating influenza pandemic dynamics with public risk communication and individual responsive behavior. <i>Computational and Mathematical Organization Theory</i> , 2017, 23, 475-495.	1.5	5
616	The impact of current infection levels on the cost-benefit of vaccination. <i>Epidemics</i> , 2017, 21, 56-62.	1.5	5
617	Synchronicity of influenza activity within Phoenix, AZ during the 2015-2016 seasonal epidemic. <i>BMC Infectious Diseases</i> , 2017, 17, 109.	1.3	1
618	Is the impact of childhood influenza vaccination less than expected: a transmission modelling study. <i>BMC Infectious Diseases</i> , 2017, 17, 258.	1.3	23

#	ARTICLE	IF	CITATIONS
619	An agent-based model simulation of influenza interactions at the host level: insight into the influenza-related burden of pneumococcal infections. <i>BMC Infectious Diseases</i> , 2017, 17, 382.	1.3	17
620	Stochastic agent-based modeling of tuberculosis in Canadian Indigenous communities. <i>BMC Public Health</i> , 2017, 17, 73.	1.2	11
621	Assessing the efficiency of catch-up campaigns for the introduction of pneumococcal conjugate vaccine: a modelling study based on data from PCV10 introduction in Kilifi, Kenya. <i>BMC Medicine</i> , 2017, 15, 113.	2.3	28
622	Comparison of response patterns in different survey designs: a longitudinal panel with mixed-mode and online-only design. <i>Emerging Themes in Epidemiology</i> , 2017, 14, 4.	1.2	44
623	Probabilistic forecasting in infectious disease epidemiology: the 13th Armitage lecture. <i>Statistics in Medicine</i> , 2017, 36, 3443-3460.	0.8	60
624	Using contact networks to explore mechanisms of parasite transmission in wildlife. <i>Biological Reviews</i> , 2017, 92, 389-409.	4.7	136
625	Dynamic modelling approaches for the analysis of the cost-effectiveness of seasonal influenza control. <i>Expert Review of Vaccines</i> , 2017, 16, 1-4.	2.0	170
626	Evaluating targeted interventions via meta-population models with multi-level mixing. <i>Mathematical Biosciences</i> , 2017, 287, 93-104.	0.9	25
627	Mathematical Models in Infectious Disease Epidemiology. , 2017, , 49-53.e1.		5
628	Household-level risk factors for secondary influenza-like illness in a rural area of Bangladesh. <i>Tropical Medicine and International Health</i> , 2017, 22, 187-195.	1.0	6
629	Characterizing and Discovering Spatiotemporal Social Contact Patterns for Healthcare. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017, 39, 1532-1546.	9.7	14
630	Dynamic multiplex social network models on multiple time scales for simulating contact formation and patterns in epidemic spread. , 2017, , .		8
631	Who's holding the baby? A prospective diary study of the contact patterns of mothers with an infant. <i>BMC Infectious Diseases</i> , 2017, 17, 634.	1.3	10
632	PandemCap: Decision support tool for epidemic management. , 2017, , .		9
633	The natural history of varicella zoster virus infection in Norway: Further insights on exogenous boosting and progressive immunity to herpes zoster. <i>PLoS ONE</i> , 2017, 12, e0176845.	1.1	19
634	Modelling the transmission and control strategies of varicella among school children in Shenzhen, China. <i>PLoS ONE</i> , 2017, 12, e0177514.	1.1	10
635	Impact of increased influenza vaccination in 2-3-year-old children on disease burden within the general population: A Bayesian model-based approach. <i>PLoS ONE</i> , 2017, 12, e0186739.	1.1	9
636	Re-evaluation of the cost-effectiveness and effects of childhood rotavirus vaccination in Norway. <i>PLoS ONE</i> , 2017, 12, e0183306.	1.1	16

#	ARTICLE	IF	CITATIONS
637	Measuring distance through dense weighted networks: The case of hospital-associated pathogens. <i>PLoS Computational Biology</i> , 2017, 13, e1005622.	1.5	8
638	Projecting social contact matrices in 152 countries using contact surveys and demographic data. <i>PLoS Computational Biology</i> , 2017, 13, e1005697.	1.5	666
639	Infectious reactivation of cytomegalovirus explaining age- and sex-specific patterns of seroprevalence. <i>PLoS Computational Biology</i> , 2017, 13, e1005719.	1.5	36
640	Demographic transition and the dynamics of measles in six provinces in China: A modeling study. <i>PLoS Medicine</i> , 2017, 14, e1002255.	3.9	31
641	Characterizing measles transmission in India: a dynamic modeling study using verbal autopsy data. <i>BMC Medicine</i> , 2017, 15, 151.	2.3	5
642	Cost-effectiveness analysis of quadrivalent seasonal influenza vaccines in England. <i>BMC Medicine</i> , 2017, 15, 166.	2.3	30
643	Seroprevalence of influenza A and B viruses among unvaccinated children in the United Arab Emirates: a cross-sectional study. <i>BMC Research Notes</i> , 2017, 10, 379.	0.6	9
644	Forecasting infectious disease emergence subject to seasonal forcing. <i>Theoretical Biology and Medical Modelling</i> , 2017, 14, 17.	2.1	23
645	The interplay between individual social behavior and clinical symptoms in small clustered groups. <i>BMC Infectious Diseases</i> , 2017, 17, 521.	1.3	7
646	Lessons from a decade of individual-based models for infectious disease transmission: a systematic review (2006-2015). <i>BMC Infectious Diseases</i> , 2017, 17, 612.	1.3	118
647	Variation in loss of immunity shapes influenza epidemics and the impact of vaccination. <i>BMC Infectious Diseases</i> , 2017, 17, 632.	1.3	24
648	The role of human immunity and social behavior in shaping influenza evolution. <i>PLoS Pathogens</i> , 2017, 13, e1006432.	2.1	11
649	Capturing the transmission dynamics of the 2009 Japanese pandemic influenza H1N1 in the presence of heterogeneous immunity. <i>Annals of Epidemiology</i> , 2018, 28, 293-300.e1.	0.9	5
650	Real-time quantification of the next-generation matrix and age-dependent forecasting of pandemic influenza H1N1 2009 in Japan. <i>Annals of Epidemiology</i> , 2018, 28, 301-308.	0.9	4
651	Maximum likelihood estimation of influenza vaccine effectiveness against transmission from the household and from the community. <i>Statistics in Medicine</i> , 2018, 37, 970-982.	0.8	9
652	Effectiveness of influenza vaccination for children in Japan: Four-year observational study using a large-scale claims database. <i>Vaccine</i> , 2018, 36, 2809-2815.	1.7	14
653	Seasonal Influenza Vaccine Effectiveness in Preventing Laboratory-Confirmed Influenza in Primary Care in Israel, 2016â€“2017 Season: Insights Into Novel Age-Specific Analysis. <i>Clinical Infectious Diseases</i> , 2018, 66, 1383-1391.	2.9	21
654	Measuring dynamic social contacts in a rehabilitation hospital: effect of wards, patient and staff characteristics. <i>Scientific Reports</i> , 2018, 8, 1686.	1.6	32

#	ARTICLE	IF	CITATIONS
656	Epidemiology and molecular characterization of influenza viruses in Burkina Faso, sub-Saharan Africa. <i>Influenza and Other Respiratory Viruses</i> , 2018, 12, 490-496.	1.5	14
657	Pandemic Paradox: Early Life H2N2 Pandemic Influenza Infection Enhanced Susceptibility to Death during the 2009 H1N1 Pandemic. <i>MBio</i> , 2018, 9, .	1.8	35
658	A two-stage approach for estimating the parameters of an age-group epidemic model from incidence data. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1999-2014.	0.7	7
659	Impact of seasonal influenza vaccination in the presence of vaccine interference. <i>Vaccine</i> , 2018, 36, 853-858.	1.7	7
660	Species interactions may help explain the erratic periodicity of whooping cough dynamics. <i>Epidemics</i> , 2018, 23, 64-70.	1.5	13
661	Influence of demographic changes on the impact of vaccination against varicella and herpes zoster in Germany – a mathematical modelling study. <i>BMC Medicine</i> , 2018, 16, 3.	2.3	18
662	A systematic review of transmission dynamic studies of methicillin-resistant <i>Staphylococcus aureus</i> in non-hospital residential facilities. <i>BMC Infectious Diseases</i> , 2018, 18, 188.	1.3	20
663	Characteristics of human encounters and social mixing patterns relevant to infectious diseases spread by close contact: a survey in Southwest Uganda. <i>BMC Infectious Diseases</i> , 2018, 18, 172.	1.3	70
664	An explanation for the low proportion of tuberculosis that results from transmission between household and known social contacts. <i>Scientific Reports</i> , 2018, 8, 5382.	1.6	47
665	Optimizing the impact of low-efficacy influenza vaccines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5151-5156.	3.3	48
666	Contagion! The BBC Four Pandemic – The model behind the documentary. <i>Epidemics</i> , 2018, 24, 49-59.	1.5	75
667	Approximate Bayesian algorithm to estimate the basic reproduction number in an influenza pandemic using arrival times of imported cases. <i>Travel Medicine and Infectious Disease</i> , 2018, 23, 80-86.	1.5	14
668	Data-driven model for the assessment of <i>Mycobacterium tuberculosis</i> transmission in evolving demographic structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3238-E3245.	3.3	36
669	The impact of past vaccination coverage and immunity on pertussis resurgence. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	76
670	Measles outbreak response decision-making under uncertainty: a retrospective analysis. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170575.	1.5	9
671	Vaccine waning and mumps re-emergence in the United States. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	101
672	Estimating age-specific reproductive numbers – A comparison of methods. <i>Statistical Methods in Medical Research</i> , 2018, 27, 2050-2059.	0.7	4
673	Mathematical models and vaccination strategies. <i>Vaccine</i> , 2018, 36, 5366-5372.	1.7	10

#	ARTICLE	IF	CITATIONS
674	Projecting the impact of anal intercourse on HIV transmission among heterosexuals in high HIV prevalence settings.. <i>Journal of Theoretical Biology</i> , 2018, 437, 163-178.	0.8	8
675	Development of prediction models for upper and lower respiratory and gastrointestinal tract infections using social network parameters in middle-aged and older persons -The Maastricht Study-. <i>Epidemiology and Infection</i> , 2018, 146, 533-543.	1.0	3
676	Optimal timing of drug sensitivity testing for patients on first-line tuberculosis treatment. <i>Health Care Management Science</i> , 2018, 21, 632-646.	1.5	14
677	Potential Impact of Changes in the Schedule for Primary Diphtheria-Tetanus Toxoids-Pertussis Immunization as Control Strategy for Pertussis. <i>Pediatric Infectious Disease Journal</i> , 2018, 37, e36-e42.	1.1	5
678	Strategies in recommending influenza vaccination in Europe and US. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 693-698.	1.4	63
679	A synthetic computational environment: To control the spread of respiratory infections in a virtual university. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 492, 93-104.	1.2	5
680	Rubella vaccination in India: identifying broad consequences of vaccine introduction and key knowledge gaps. <i>Epidemiology and Infection</i> , 2018, 146, 65-77.	1.0	12
681	Infectious disease transmission: survey of contacts between hospital-based healthcare workers and working adults from the general population. <i>Journal of Hospital Infection</i> , 2018, 98, 404-411.	1.4	38
682	Household members do not contact each other at random: implications for infectious disease modelling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182201.	1.2	31
683	Evaluation of the effect of chickenpox vaccination on shingles epidemiology using agent-based modeling. <i>PeerJ</i> , 2018, 6, e5012.	0.9	14
684	Analysing the link between public transport use and airborne transmission: mobility and contagion in the London underground. <i>Environmental Health</i> , 2018, 17, 84.	1.7	99
685	Temporal variation of human encounters and the number of locations in which they occur: a longitudinal study of Hong Kong residents. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170838.	1.5	38
686	Who interacts with whom? Social mixing insights from a rural population in India. <i>PLoS ONE</i> , 2018, 13, e0209039.	1.1	26
687	Capturing sexual contact patterns in modelling the spread of sexually transmitted infections: Evidence using Natsal-3. <i>PLoS ONE</i> , 2018, 13, e0206501.	1.1	11
688	Tuberculosis among children, adolescents and young adults in the Philippines: a surveillance report. <i>Western Pacific Surveillance and Response Journal: WPSAR</i> , 2018, 9, 16-20.	0.3	10
689	Active Case Finding for Improved Ebola Virus Disease Case Detection in Nimba County, Liberia, 2014/2015: Lessons Learned. <i>Advances in Public Health</i> , 2018, 2018, 1-7.	0.7	6
690	The effect of assortative mixing on stability of low helminth transmission levels and on the impact of mass drug administration: Model explorations for onchocerciasis. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006624.	1.3	15
691	Fol and Age-Dependent Incidence. <i>Use R!</i> , 2018, , 57-80.	0.3	0

#	ARTICLE	IF	CITATIONS
692	Cryptic connections illuminate pathogen transmission within community networks. <i>Nature</i> , 2018, 563, 710-713.	13.7	54
693	Close encounters between infants and household members measured through wearable proximity sensors. <i>PLoS ONE</i> , 2018, 13, e0198733.	1.1	28
694	Measurability of the epidemic reproduction number in data-driven contact networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12680-12685.	3.3	199
695	Monitoring the age-specificity of measles transmissions during 2009-2016 in Southern China. <i>PLoS ONE</i> , 2018, 13, e0205339.	1.1	12
696	The Wonder Years: What Can Primary School Children Teach Us About Immunity to Mycobacterium tuberculosis?. <i>Frontiers in Immunology</i> , 2018, 9, 2946.	2.2	64
697	Projecting social contact matrices to different demographic structures. <i>PLoS Computational Biology</i> , 2018, 14, e1006638.	1.5	48
698	Improving early epidemiological assessment of emerging Aedes-transmitted epidemics using historical data. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006526.	1.3	4
699	Tuberculosis Transmission in Households and Classrooms of Adolescent Cases Compared to the Community in China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2803.	1.2	6
700	How Physical Proximity Shapes Complex Social Networks. <i>Scientific Reports</i> , 2018, 8, 17722.	1.6	14
701	Structure and consistency of self-reported social contact networks in British secondary schools. <i>PLoS ONE</i> , 2018, 13, e0200090.	1.1	10
702	Quantifying the impact of social groups and vaccination on inequalities in infectious diseases using a mathematical model. <i>BMC Medicine</i> , 2018, 16, 162.	2.3	19
703	High-resolution epidemic simulation using within-host infection and contact data. <i>BMC Public Health</i> , 2018, 18, 886.	1.2	21
704	Economic Analysis of Vaccination Programs: An ISPOR Good Practices for Outcomes Research Task Force Report. <i>Value in Health</i> , 2018, 21, 1133-1149.	0.1	94
705	Neighbourhood child population density as a proxy measure for exposure to respiratory infections in the first year of life: A validation study. <i>PLoS ONE</i> , 2018, 13, e0203743.	1.1	8
706	Influenza Transmission Dynamics in Urban Households, Managua, Nicaragua, 2012–2014. <i>Emerging Infectious Diseases</i> , 2018, 24, 1882-1888.	2.0	20
707	Modeling the impact of changes in day-care contact patterns on the dynamics of varicella transmission in France between 1991 and 2015. <i>PLoS Computational Biology</i> , 2018, 14, e1006334.	1.5	10
708	Big Data Opportunities for Disease Outbreaks Detection in Global Mass Gatherings. , 2018, , .		4
709	The link stream of contacts in a whole hospital. <i>Social Network Analysis and Mining</i> , 2018, 8, 1.	1.9	4

#	ARTICLE	IF	CITATIONS
710	Neuraminidase Inhibitors in Influenza Treatment and Prevention—Is It Time to Call It a Day?. <i>Viruses</i> , 2018, 10, 454.	1.5	25
711	Higher parental occupational social contact is associated with a reduced risk of incident pediatric type 1 diabetes: Mediation through molecular enteroviral indices. <i>PLoS ONE</i> , 2018, 13, e0193992.	1.1	7
712	Supervised forecasting of the range expansion of novel non-indigenous organisms: Alien pest organisms and the 2009 H1N1 flu pandemic. <i>Global Ecology and Biogeography</i> , 2018, 27, 991-1000.	2.7	28
713	Investigating spatiotemporal dynamics and synchrony of influenza epidemics in Australia: An agent-based modelling approach. <i>Simulation Modelling Practice and Theory</i> , 2018, 87, 412-431.	2.2	62
714	Predicting the impact of pneumococcal conjugate vaccine programme options in Vietnam. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 1939-1947.	1.4	18
715	Modeling Spread of Infectious Diseases at the Arrival Stage of Hajj. <i>Lecture Notes in Computer Science</i> , 2018, , 430-442.	1.0	1
716	Is adding maternal vaccination to prevent whooping cough cost-effective in Australia?. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 2263-2273.	1.4	7
717	Population Serologic Immunity to Human and Avian H2N2 Viruses in the United States and Hong Kong for Pandemic Risk Assessment. <i>Journal of Infectious Diseases</i> , 2018, 218, 1054-1060.	1.9	17
718	Risk factors for persisting measles susceptibility: a case-control study among unvaccinated orthodox Protestants. <i>European Journal of Public Health</i> , 2018, 28, 922-927.	0.1	5
719	Identifying human encounters that shape the transmission of <i>Streptococcus pneumoniae</i> and other acute respiratory infections. <i>Epidemics</i> , 2018, 25, 72-79.	1.5	29
720	Infection-acquired versus vaccine-acquired immunity in an SIRWS model. <i>Infectious Disease Modelling</i> , 2018, 3, 118-135.	1.2	8
721	The evolution of antibiotic resistance in a structured host population. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180040.	1.5	49
722	Modelling norovirus transmission and vaccination. <i>Vaccine</i> , 2018, 36, 5565-5571.	1.7	9
723	Influence of Population Immunosuppression and Past Vaccination on Smallpox Reemergence. <i>Emerging Infectious Diseases</i> , 2018, 24, 646-653.	2.0	25
724	Assessing the stability of polio eradication after the withdrawal of oral polio vaccine. <i>PLoS Biology</i> , 2018, 16, e2002468.	2.6	28
725	A method for evaluating and comparing immunisation schedules that cover multiple diseases: Illustrative application to the UK routine childhood vaccine schedule. <i>Vaccine</i> , 2018, 36, 5340-5347.	1.7	3
726	The potential impact of the demographic transition in the Senegal-Gambia region of sub-Saharan Africa on the burden of infectious disease and its potential synergies with control programmes: the case of hepatitis B. <i>BMC Medicine</i> , 2018, 16, 118.	2.3	10
727	Quantifying potentially infectious sharing patterns among people who inject drugs in Baltimore, USA. <i>Epidemiology and Infection</i> , 2018, 146, 1845-1853.	1.0	5

#	ARTICLE	IF	CITATIONS
728	Social networks in relation to self-reported symptomatic infections in individuals aged 40â€“75 - the Maastricht study â€“. BMC Infectious Diseases, 2018, 18, 300.	1.3	8
729	Contact among healthcare workers in the hospital setting: developing the evidence base for innovative approaches to infection control. BMC Infectious Diseases, 2018, 18, 184.	1.3	18
730	Social contact patterns of infants in deciding vaccination strategy: a prospective, cross-sectional, single-centre study. Epidemiology and Infection, 2018, 146, 1157-1166.	1.0	5
731	Can co-location be used as a proxy for face-to-face contacts?. EPJ Data Science, 2018, 7, .	1.5	146
732	The impact of regular school closure on seasonal influenza epidemics: a data-driven spatial transmission model for Belgium. BMC Infectious Diseases, 2018, 18, 29.	1.3	90
733	Influenza illness averted by influenza vaccination among school year children in Beijing, 2013â€“2016. Influenza and Other Respiratory Viruses, 2018, 12, 687-694.	1.5	9
734	The importance of dog population contact network structures in rabies transmission. PLoS Neglected Tropical Diseases, 2018, 12, e0006680.	1.3	40
735	Revealing Measles Outbreak Risk With a Nested Immunoglobulin G Serosurvey in Madagascar. American Journal of Epidemiology, 2018, 187, 2219-2226.	1.6	21
736	Where is tuberculosis transmission happening? Insights from the literature, new tools to study transmission and implications for the elimination of tuberculosis. Respiriology, 2018, 23, 807-817.	1.3	17
738	Deploying digital health data to optimize influenza surveillance at national and local scales. PLoS Computational Biology, 2018, 14, e1006020.	1.5	29
739	Community Protection. , 2018, , 1512-1531.e5.		17
740	Inactivated Influenza Vaccines. , 2018, , 456-488.e21.		14
741	Modeling learning and forgetting processes with the corresponding impacts on human behaviors in infectious disease epidemics. Computers and Industrial Engineering, 2019, 129, 563-577.	3.4	23
742	Longer-term Direct and Indirect Effects of Infant Rotavirus Vaccination Across All Ages in the United States in 2000â€“2013: Analysis of a Large Hospital Discharge Data Set. Clinical Infectious Diseases, 2019, 68, 976-983.	2.9	28
743	STEM: An Open Source Tool for Disease Modeling. Health Security, 2019, 17, 291-306.	0.9	16
744	The changing epidemiology of herpes zoster over a decade in South Korea, 2006â€“2015. Vaccine, 2019, 37, 5153-5160.	1.7	6
745	The statistics of epidemic transitions. PLoS Computational Biology, 2019, 15, e1006917.	1.5	46
746	A new view of multiscale stochastic impulsive systems for modeling and control of epidemics. Annual Reviews in Control, 2019, 48, 242-249.	4.4	19

#	ARTICLE	IF	CITATIONS
747	Cost-Effectiveness of Alternative Uses of Polyvalent Meningococcal Vaccines in Niger: An Agent-Based Transmission Modeling Study. <i>Medical Decision Making</i> , 2019, 39, 553-567.	1.2	4
748	Estimation and prediction for a mechanistic model of measles transmission using particle filtering and maximum likelihood estimation. <i>Statistics in Medicine</i> , 2019, 38, 4146-4158.	0.8	19
749	Do varicella vaccination programs change the epidemiology of herpes zoster? A comprehensive review, with focus on the United States. <i>Expert Review of Vaccines</i> , 2019, 18, 793-811.	2.0	43
750	Heterogeneous susceptibility to rotavirus infection and gastroenteritis in two birth cohort studies: Parameter estimation and epidemiological implications. <i>PLoS Computational Biology</i> , 2019, 15, e1007014.	1.5	4
751	Social Networks and Health: New Developments in Diffusion, Online and Offline. <i>Annual Review of Sociology</i> , 2019, 45, 91-109.	3.1	142
752	Estimating age-stratified influenza-associated invasive pneumococcal disease in England: A time-series model based on population surveillance data. <i>PLoS Medicine</i> , 2019, 16, e1002829.	3.9	16
753	Estimated impact of revising the 13-valent pneumococcal conjugate vaccine schedule from 2+1 to 1+1 in England and Wales: A modelling study. <i>PLoS Medicine</i> , 2019, 16, e1002845.	3.9	34
754	Quantifying the transmission dynamics of MRSA in the community and healthcare settings in a low-prevalence country. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14599-14605.	3.3	26
755	School dismissal as a pandemic influenza response: When, where and for how long?. <i>Epidemics</i> , 2019, 28, 100348.	1.5	32
756	Networks of face-to-face social contacts in Niakhar, Senegal. <i>PLoS ONE</i> , 2019, 14, e0220443.	1.1	6
758	Inferring time-dependent migration and coalescence patterns from genetic sequence and predictor data in structured populations. <i>Virus Evolution</i> , 2019, 5, vez030.	2.2	20
759	Analyzing influenza outbreaks in Russia using an age-structured dynamic transmission model. <i>Epidemics</i> , 2019, 29, 100358.	1.5	15
760	Incorporating household structure and demography into models of endemic disease. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190317.	1.5	23
761	Combining serological and contact data to derive target immunity levels for achieving and maintaining measles elimination. <i>BMC Medicine</i> , 2019, 17, 180.	2.3	57
762	Temporal patterns of influenza A subtypes and B lineages across age in a subtropical city, during pre-pandemic, pandemic, and post-pandemic seasons. <i>BMC Infectious Diseases</i> , 2019, 19, 89.	1.3	14
763	Positively interacting strains that co-circulate within a network structured population induce cycling epidemics of <i>Mycoplasma pneumoniae</i> . <i>Scientific Reports</i> , 2019, 9, 541.	1.6	9
764	Making sense of differences in pneumococcal serotype replacement. <i>Lancet Infectious Diseases</i> , The, 2019, 19, e213-e220.	4.6	100
765	Control of norovirus infection. <i>Current Opinion in Gastroenterology</i> , 2019, 35, 14-19.	1.0	6

#	ARTICLE	IF	CITATIONS
766	The evolution of stage-specific virulence: Differential selection of parasites in juveniles. <i>Evolution Letters</i> , 2019, 3, 162-172.	1.6	12
767	Transmission routes of rare seasonal diseases: the case of norovirus infections. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180267.	1.8	15
768	Reactive school closure weakens the network of social interactions and reduces the spread of influenza. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13174-13181.	3.3	127
769	Health system capacity in Sydney, Australia in the event of a biological attack with smallpox. <i>PLoS ONE</i> , 2019, 14, e0217704.	1.1	22
770	The impact of behavioral interventions on co-infection dynamics: An exploration of the effects of home isolation. <i>Journal of Theoretical Biology</i> , 2019, 476, 5-18.	0.8	2
771	What can urban mobility data reveal about the spatial distribution of infection in a single city?. <i>BMC Public Health</i> , 2019, 19, 656.	1.2	18
772	Breastfeeding and Respiratory Infections in the First 6 Months of Life: A Case Control Study. <i>Frontiers in Pediatrics</i> , 2019, 7, 152.	0.9	41
773	Measles and the canonical path to elimination. <i>Science</i> , 2019, 364, 584-587.	6.0	35
774	Quantifying heterogeneous contact patterns in Japan: a social contact survey. <i>Theoretical Biology and Medical Modelling</i> , 2019, 16, 6.	2.1	34
775	Strategic Planning for Tuberculosis Control in the Republic of Fiji. <i>Tropical Medicine and Infectious Disease</i> , 2019, 4, 71.	0.9	9
776	Risk of influenza infection with low vaccine effectiveness: the role of avoidance behaviour. <i>Epidemiology and Infection</i> , 2019, 147, e75.	1.0	9
777	Assessing optimal use of the standard dose adjuvanted trivalent seasonal influenza vaccine in the elderly. <i>Vaccine</i> , 2019, 37, 2051-2056.	1.7	15
778	A decision-support framework to optimize border control for global outbreak mitigation. <i>Scientific Reports</i> , 2019, 9, 2216.	1.6	44
779	Estimating age-mixing patterns relevant for the transmission of airborne infections. <i>Epidemics</i> , 2019, 28, 100339.	1.5	8
780	Human behavior during close contact in a graduate student office. <i>Indoor Air</i> , 2019, 29, 577-590.	2.0	16
781	Evaluating vaccination strategies for tuberculosis in endemic and non-endemic settings. <i>Journal of Theoretical Biology</i> , 2019, 469, 1-11.	0.8	19
782	Effects of the rotavirus vaccine program across age groups in the United States: analysis of national claims data, 2001-2016. <i>BMC Infectious Diseases</i> , 2019, 19, 186.	1.3	32
783	Herd immunity alters the conditions for performing dose schedule comparisons: an individual-based model of pneumococcal carriage. <i>BMC Infectious Diseases</i> , 2019, 19, 227.	1.3	6

#	ARTICLE	IF	CITATIONS
784	Surveillance and characterisation of influenza viruses among patients with influenza-like illness in Bali, Indonesia, July 2010–June 2014. <i>BMC Infectious Diseases</i> , 2019, 19, 231.	1.3	4
785	A systematic review of scabies transmission models and data to evaluate the cost-effectiveness of scabies interventions. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007182.	1.3	19
786	Evaluating vaccination policies to accelerate measles elimination in China: a meta-population modelling study. <i>International Journal of Epidemiology</i> , 2019, 48, 1240-1251.	0.9	23
787	Disease spreading on populations structured by groups. <i>Applied Mathematics and Computation</i> , 2019, 353, 265-273.	1.4	10
788	How Modelling Can Enhance the Analysis of Imperfect Epidemic Data. <i>Trends in Parasitology</i> , 2019, 35, 369-379.	1.5	20
789	Detecting tuberculosis clusters in urban neighborhoods, Taipei, Taiwan: Linking geographic and genotyping evidence. <i>Applied Geography</i> , 2019, 104, 56-64.	1.7	0
790	Prevalence and characteristics of acute respiratory virus infections in pediatric cancer patients. <i>Journal of Medical Virology</i> , 2019, 91, 1191-1201.	2.5	34
791	Observational study to assess the effects of social networks on the seasonal influenza vaccine uptake by early career doctors. <i>BMJ Open</i> , 2019, 9, e026997.	0.8	10
792	Fine-scale family structure shapes influenza transmission risk in households: Insights from primary schools in Matsumoto city, 2014/15. <i>PLoS Computational Biology</i> , 2019, 15, e1007589.	1.5	31
793	Spatially Adjusted Time-varying Reproductive Numbers: Understanding the Geographical Expansion of Urban Dengue Outbreaks. <i>Scientific Reports</i> , 2019, 9, 19172.	1.6	24
794	The DAGs of war. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23880-23882.	3.3	1
795	Determinants of high residual post-PCV13 pneumococcal vaccine-type carriage in Blantyre, Malawi: a modelling study. <i>BMC Medicine</i> , 2019, 17, 219.	2.3	38
796	Factors associated with childhood influenza vaccination in Israel: a cross-sectional evaluation. <i>Israel Journal of Health Policy Research</i> , 2019, 8, 82.	1.4	11
797	A novel framework for evaluating the impact of individual decision-making on public health outcomes and its potential application to study antiviral treatment collection during an influenza pandemic. <i>PLoS ONE</i> , 2019, 14, e0223946.	1.1	2
798	Profiling Mycobacterium tuberculosis transmission and the resulting disease burden in the five highest tuberculosis burden countries. <i>BMC Medicine</i> , 2019, 17, 208.	2.3	20
799	Patterns of human social contact and contact with animals in Shanghai, China. <i>Scientific Reports</i> , 2019, 9, 15141.	1.6	61
800	A Systematic Review of Social Contact Surveys to Inform Transmission Models of Close-contact Infections. <i>Epidemiology</i> , 2019, 30, 723-736.	1.2	159
801	Using an Online Sample to Estimate the Size of an Offline Population. <i>Demography</i> , 2019, 56, 2377-2392.	1.2	14

#	ARTICLE	IF	CITATIONS
802	The Population-Level Impacts of Excluding Norovirus-Infected Food Workers From the Workplace: A Mathematical Modeling Study. <i>American Journal of Epidemiology</i> , 2019, 188, 177-187.	1.6	7
803	Next Generation Technology for Epidemic Prevention and Control: Data-Driven Contact Tracking. <i>IEEE Access</i> , 2019, 7, 2633-2642.	2.6	49
804	Characterizing the impact of spatial clustering of susceptibility for measles elimination. <i>Vaccine</i> , 2019, 37, 732-741.	1.7	54
805	Global dynamics of a discrete age-structured SIR epidemic model with applications to measles vaccination strategies. <i>Mathematical Biosciences</i> , 2019, 308, 27-37.	0.9	48
806	Influenza epidemics observed in primary care from 1984 to 2017 in France: A decrease in epidemic size over time. <i>Influenza and Other Respiratory Viruses</i> , 2019, 13, 148-157.	1.5	15
807	Artificial Intelligence for infectious disease Big Data Analytics. <i>Infection, Disease and Health</i> , 2019, 24, 44-48.	0.5	152
808	Correlations between stochastic epidemics in two interacting populations. <i>Epidemics</i> , 2019, 26, 58-67.	1.5	6
810	Fixed choice design and augmented fixed choice design for network data with missing observations. <i>Biostatistics</i> , 2019, 20, 97-110.	0.9	3
811	Unraveling the seasonal epidemiology of pneumococcus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1802-1807.	3.3	34
812	Modelling the decline and future of hepatitis A transmission in Australia. <i>Journal of Viral Hepatitis</i> , 2019, 26, 199-207.	1.0	5
813	Spatiotemporal dynamics and risk factors of rotavirus A circulation in backyard pig farms in a Philippine setting. <i>Tropical Animal Health and Production</i> , 2019, 51, 929-937.	0.5	3
814	Modeling the Effectiveness of Respiratory Protective Devices in Reducing Influenza Outbreak. <i>Risk Analysis</i> , 2019, 39, 647-661.	1.5	34
815	The impact of Measles-Rubella vaccination on the morbidity and mortality from Congenital Rubella Syndrome in 92 countries. <i>Human Vaccines and Immunotherapeutics</i> , 2019, 15, 309-316.	1.4	14
816	Real-world diffusion dynamics based on point process approaches: a review. <i>Artificial Intelligence Review</i> , 2020, 53, 321-350.	9.7	12
817	Model selection and parameter estimation for dynamic epidemic models via iterated filtering: application to rotavirus in Germany. <i>Biostatistics</i> , 2020, 21, 400-416.	0.9	27
818	Transmission of and susceptibility to seasonal influenza in Switzerland from 2003 to 2015. <i>Epidemics</i> , 2020, 30, 100373.	1.5	19
819	Estimating contact-adjusted immunity levels against measles in South Korea and prospects for maintaining elimination status. <i>Vaccine</i> , 2020, 38, 107-111.	1.7	6
820	Association Between the Respiratory Microbiome and Susceptibility to Influenza Virus Infection. <i>Clinical Infectious Diseases</i> , 2020, 71, 1195-1203.	2.9	63

#	ARTICLE	IF	CITATIONS
821	Assessing direct and indirect effects of pediatric influenza vaccination in Germany by individual-based simulations. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 836-845.	1.4	4
822	Optimal control strategies for a two-group epidemic model with vaccination-resource constraints. <i>Applied Mathematics and Computation</i> , 2020, 371, 124956.	1.4	17
823	Mechanistic modelling of multiple waves in an influenza epidemic or pandemic. <i>Journal of Theoretical Biology</i> , 2020, 486, 110070.	0.8	7
824	Factors Associated With Measles Transmission in the United States During the Postelimination Era. <i>JAMA Pediatrics</i> , 2020, 174, 56.	3.3	25
825	Priming with MF59 adjuvanted versus nonadjuvanted seasonal influenza vaccines in children – A systematic review and a meta-analysis. <i>Vaccine</i> , 2020, 38, 608-619.	1.7	13
826	Seeking the optimal schedule for chickenpox vaccination in Canada: Using an agent-based model to explore the impact of dose timing, coverage and waning of immunity on disease outcomes. <i>Vaccine</i> , 2020, 38, 521-529.	1.7	9
827	Modelling the optimal target age group for seasonal influenza vaccination in Japan. <i>Vaccine</i> , 2020, 38, 752-762.	1.7	11
828	School life and influenza immunization: A cross-sectional study on vaccination coverage and influencing determinants among Polish teachers. <i>Vaccine</i> , 2020, 38, 5548-5555.	1.7	10
829	Misinformation making a disease outbreak worse: outcomes compared for influenza, monkeypox, and norovirus. <i>Simulation</i> , 2020, 96, 365-374.	1.1	72
830	Associations between ethnicity, social contact, and pneumococcal carriage three years post-PCV10 in Fiji. <i>Vaccine</i> , 2020, 38, 202-211.	1.7	21
831	Effect of Acute Illness on Contact Patterns, Malawi, 2017. <i>Emerging Infectious Diseases</i> , 2020, 26, 44-50.	2.0	6
832	The impact of COVID-19 control measures on social contacts and transmission in Kenyan informal settlements. <i>BMC Medicine</i> , 2020, 18, 316.	2.3	88
833	Impact of Social Distancing Measures on Coronavirus Disease Healthcare Demand, Central Texas, USA. <i>Emerging Infectious Diseases</i> , 2020, 26, 2361-2369.	2.0	93
834	The impact of mask-wearing and shelter-in-place on COVID-19 outbreaks in the United States. <i>International Journal of Infectious Diseases</i> , 2020, 101, 334-341.	1.5	48
835	The potential impact of a recent measles epidemic on COVID-19 in Samoa. <i>BMC Infectious Diseases</i> , 2020, 20, 735.	1.3	5
836	Endemic-epidemic models with discrete-time serial interval distributions for infectious disease prediction. <i>International Journal of Forecasting</i> , 2022, 38, 1221-1233.	3.9	29
837	Potential impact of tuberculosis vaccines in China, South Africa, and India. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	42
838	State-level needs for social distancing and contact tracing to contain COVID-19 in the United States. <i>Nature Human Behaviour</i> , 2020, 4, 1080-1090.	6.2	56

#	ARTICLE	IF	CITATIONS
839	The impact of social distancing on COVID19 spread: State of Georgia case study. PLoS ONE, 2020, 15, e0239798.	1.1	44
840	COVID-19 Genetic and Environmental Risk Factors: A Look at the Evidence. Frontiers in Pharmacology, 2020, 11, 579415.	1.6	15
841	The age distribution of mortality from novel coronavirus disease (COVID-19) suggests no large difference of susceptibility by age. Scientific Reports, 2020, 10, 16642.	1.6	93
842	Exploring dependence of COVID-19 on environmental factors and spread prediction in India. Npj Climate and Atmospheric Science, 2020, 3, .	2.6	46
843	Impact of self-imposed prevention measures and short-term government-imposed social distancing on mitigating and delaying a COVID-19 epidemic: A modelling study. PLoS Medicine, 2020, 17, e1003166.	3.9	213
844	How the individual human mobility spatio-temporally shapes the disease transmission dynamics. Scientific Reports, 2020, 10, 11325.	1.6	37
845	Physical distancing interventions and incidence of coronavirus disease 2019: natural experiment in 149 countries. BMJ, The, 2020, 370, m2743.	3.0	427
846	Using Serology to Anticipate Measles Post-honeymoon Period Outbreaks. Trends in Microbiology, 2020, 28, 597-600.	3.5	5
847	Projected geographic disparities in healthcare worker absenteeism from COVID-19 school closures and the economic feasibility of child care subsidies: a simulation study. BMC Medicine, 2020, 18, 218.	2.3	17
848	Data-driven contact structures: From homogeneous mixing to multilayer networks. PLoS Computational Biology, 2020, 16, e1008035.	1.5	21
849	COVID-19 outbreak response, a dataset to assess mobility changes in Italy following national lockdown. Scientific Data, 2020, 7, 230.	2.4	225
850	Likelihood-Based Inference for Partially Observed Epidemics on Dynamic Networks. Journal of the American Statistical Association, 2022, 117, 510-526.	1.8	11
851	Modelling transmission and control of the COVID-19 pandemic in Australia. Nature Communications, 2020, 11, 5710.	5.8	394
852	Evaluating the next generation of RSV intervention strategies: a mathematical modelling study and cost-effectiveness analysis. BMC Medicine, 2020, 18, 348.	2.3	39
853	Mathematical modelling of the dynamics and containment of COVID-19 in Ukraine. Scientific Reports, 2020, 10, 19662.	1.6	68
854	Estimating epidemic coupling between populations from the time to invasion. Journal of the Royal Society Interface, 2020, 17, 20200523.	1.5	0
855	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	5.8	104
856	Network interventions for managing the COVID-19 pandemic and sustaining economy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30285-30294.	3.3	64

#	ARTICLE	IF	CITATIONS
858	Modelling the household-level impact of a maternal respiratory syncytial virus (RSV) vaccine in a high-income setting. <i>BMC Medicine</i> , 2020, 18, 319.	2.3	8
860	Evolving social contact patterns during the COVID-19 crisis in Luxembourg. <i>PLoS ONE</i> , 2020, 15, e0237128.	1.1	64
861	No clear association emerges between intergenerational relationships and COVID-19 fatality rates from macro-level analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 19116-19121.	3.3	38
862	Simulating the effect of school closure during COVID-19 outbreaks in Ontario, Canada. <i>BMC Medicine</i> , 2020, 18, 230.	2.3	52
863	Modeling strict age-targeted mitigation strategies for COVID-19. <i>PLoS ONE</i> , 2020, 15, e0236237.	1.1	30
864	Risk Interactions of Coronavirus Infection across Age Groups after the Peak of COVID-19 Epidemic. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5246.	1.2	10
865	Impact of delays on effectiveness of contact tracing strategies for COVID-19: a modelling study. <i>Lancet Public Health</i> , The, 2020, 5, e452-e459.	4.7	610
866	Rubella Vaccine Introduction in the South African Public Vaccination Schedule: Mathematical Modelling for Decision Making. <i>Vaccines</i> , 2020, 8, 383.	2.1	3
867	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. <i>Lancet Public Health</i> , The, 2020, 5, e375-e385.	4.7	730
868	Estimation of SARS-CoV-2 mortality during the early stages of an epidemic: A modeling study in Hubei, China, and six regions in Europe. <i>PLoS Medicine</i> , 2020, 17, e1003189.	3.9	120
869	Modelling the impact of testing, contact tracing and household quarantine on second waves of COVID-19. <i>Nature Human Behaviour</i> , 2020, 4, 964-971.	6.2	605
870	Time, space and social interactions: exit mechanisms for the Covid-19 epidemics. <i>Scientific Reports</i> , 2020, 10, 13764.	1.6	57
871	A multimethod approach for county-scale geospatial analysis of emerging infectious diseases: a cross-sectional case study of COVID-19 incidence in Germany. <i>International Journal of Health Geographics</i> , 2020, 19, 32.	1.2	71
872	Seroprevalence and immunity of SARS-CoV-2 infection in children and adolescents in schools in Switzerland: design for a longitudinal, school-based prospective cohort study. <i>International Journal of Public Health</i> , 2020, 65, 1549-1557.	1.0	34
873	Probabilistic reconstruction of measles transmission clusters from routinely collected surveillance data. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200084.	1.5	7
874	Factors favouring the evolution of multidrug resistance in bacteria. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200105.	1.5	26
875	Inference of a universal social scale and segregation measures using social connectivity kernels. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200638.	1.5	2
876	Costâ€‘benefit of limited isolation and testing in COVID-19 mitigation. <i>Scientific Reports</i> , 2020, 10, 18543.	1.6	19

#	ARTICLE	IF	CITATIONS
877	Assessment of Social Distancing for Controlling COVID-19 in Korea: An Age-Structured Modeling Approach. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7474.	1.2	12
878	Modeling return of the epidemic: Impact of population structure, asymptomatic infection, case importation and personal contacts. <i>Travel Medicine and Infectious Disease</i> , 2020, 37, 101858.	1.5	9
879	Symbolic transfer entropy reveals the age structure of pandemic influenza transmission from high-volume influenza-like illness data. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190628.	1.5	11
880	The Prediction of Infectious Diseases: A Bibliometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6218.	1.2	45
881	Pox Parties for Grannies? Chickenpox, Exogenous Boosting, and Harmful Injustices. <i>American Journal of Bioethics</i> , 2020, 20, 45-57.	0.5	17
882	Modeling the spread of COVID-19 in Germany: Early assessment and possible scenarios. <i>PLoS ONE</i> , 2020, 15, e0238559.	1.1	67
883	Transmission dynamics reveal the impracticality of COVID-19 herd immunity strategies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25897-25903.	3.3	77
884	Excess mortality due to COVID-19 in Germany. <i>Journal of Infection</i> , 2020, 81, 797-801.	1.7	100
885	Differences in epidemic spread patterns of norovirus and influenza seasons of Germany: an application of optical flow analysis in epidemiology. <i>Scientific Reports</i> , 2020, 10, 14125.	1.6	8
886	Prediction Models in Veterinary and Human Epidemiology: Our Experience With Modeling Sars-CoV-2 Spread. <i>Frontiers in Veterinary Science</i> , 2020, 7, 513.	0.9	5
887	Automated and partly automated contact tracing: a systematic review to inform the control of COVID-19. <i>The Lancet Digital Health</i> , 2020, 2, e607-e621.	5.9	244
888	Effect of childhood rotavirus vaccination on community rotavirus prevalence in rural Ecuador, 2008-13. <i>International Journal of Epidemiology</i> , 2020, 49, 1691-1701.	0.9	5
889	Active and inactive quarantine in epidemic spreading on adaptive activity-driven networks. <i>Physical Review E</i> , 2020, 102, 020301.	0.8	24
890	Changes in Measles Seroprevalence in China After the Launch of Two Provincial Supplementary Immunization Activities During 2009 to 2013. <i>Pediatric Infectious Disease Journal</i> , 2020, 39, 867-871.	1.1	4
891	Simulation of the COVID-19 epidemic on the social network of Slovenia: Estimating the intrinsic forecast uncertainty. <i>PLoS ONE</i> , 2020, 15, e0238090.	1.1	25
892	National Preferred Interpersonal Distance Curbs the Spread of COVID-19: A Cross-Country Analysis. <i>Disaster Medicine and Public Health Preparedness</i> , 2021, 15, e20-e26.	0.7	12
893	Transient indicators of tipping points in infectious diseases. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200094.	1.5	20
894	A computational framework for modeling and studying pertussis epidemiology and vaccination. <i>BMC Bioinformatics</i> , 2020, 21, 344.	1.2	9

#	ARTICLE	IF	CITATIONS
895	The emergence of SARS-CoV-2 in Europe and North America. <i>Science</i> , 2020, 370, 564-570.	6.0	331
896	Measuring Italian citizens'™ engagement in the first wave of the COVID-19 pandemic containment measures: A cross-sectional study. <i>PLoS ONE</i> , 2020, 15, e0238613.	1.1	36
897	Age could be driving variable SARS-CoV-2 epidemic trajectories worldwide. <i>PLoS ONE</i> , 2020, 15, e0237959.	1.1	35
898	Global, regional, and national estimates of target population sizes for covid-19 vaccination: descriptive study. <i>BMJ</i> , The, 2020, 371, m4704.	3.0	140
899	Clustering of susceptible individuals within households can drive measles outbreaks: an individual-based model exploration. <i>Scientific Reports</i> , 2020, 10, 19645.	1.6	10
900	Measures implemented in the school setting to contain the COVID-19 pandemic: a rapid scoping review. <i>The Cochrane Library</i> , 2020, 2020, CD013812.	1.5	71
901	Intracity Pandemic Risk Evaluation Using Mobile Phone Data: The Case of Shanghai during COVID-19. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 715.	1.4	18
902	Rapid Transmission of a Hyper-Virulent Meningococcal Clone Due to High Effective Contact Numbers and Super Spreaders. <i>Frontiers in Genetics</i> , 2020, 11, 579411.	1.1	3
903	An evaluation of Hamiltonian Monte Carlo performance to calibrate age-structured compartmental SEIR models to incidence data. <i>Epidemics</i> , 2020, 33, 100415.	1.5	21
904	Characterizing key attributes of COVID-19 transmission dynamics in China's original outbreak: Model-based estimations. <i>Global Epidemiology</i> , 2020, 2, 100042.	0.6	27
905	Modelling the impact of 4CMenB and MenACWY meningococcal combined vaccination strategies including potential 4CMenB cross-protection: An application to England. <i>Vaccine</i> , 2020, 38, 7558-7568.	1.7	8
906	COVID-19 Spread in Saudi Arabia: Modeling, Simulation and Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7744.	1.2	26
907	Protocol for a national probability survey using home specimen collection methods to assess prevalence and incidence of SARS-CoV-2 infection and antibody response. <i>Annals of Epidemiology</i> , 2020, 49, 50-60.	0.9	36
908	Mathematical Models for COVID-19 Pandemic: A Comparative Analysis. <i>Journal of the Indian Institute of Science</i> , 2020, 100, 793-807.	0.9	118
909	The role of "spillover" in antibiotic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29063-29068.	3.3	27
910	Age and generational patterns of overdose death risk from opioids and other drugs. <i>Nature Medicine</i> , 2020, 26, 699-704.	15.2	37
911	Spatiotemporal heterogeneity of social contact patterns related to infectious diseases in the Guangdong Province, China. <i>Scientific Reports</i> , 2020, 10, 6119.	1.6	13
913	Children are unlikely to be the main drivers of the COVID-19 pandemic " A systematic review. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020, 109, 1525-1530.	0.7	212

#	ARTICLE	IF	CITATIONS
914	Quantifying the impact of physical distance measures on the transmission of COVID-19 in the UK. <i>BMC Medicine</i> , 2020, 18, 124.	2.3	563
915	Spread and dynamics of the COVID-19 epidemic in Italy: Effects of emergency containment measures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10484-10491.	3.3	878
916	A Possible Scenario for the Covid-19 Epidemic, Based on the SI(R) Model. <i>SN Comprehensive Clinical Medicine</i> , 2020, 2, 501-503.	0.3	11
917	Wrong but Useful – What Covid-19 Epidemiologic Models Can and Cannot Tell Us. <i>New England Journal of Medicine</i> , 2020, 383, 303-305.	13.9	337
918	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. <i>Science</i> , 2020, 369, 413-422.	6.0	718
919	Defining adequate contact for transmission of <i>Mycobacterium tuberculosis</i> in an African urban environment. <i>BMC Public Health</i> , 2020, 20, 892.	1.2	1
920	Estimating the contribution of different age strata to vaccine serotype pneumococcal transmission in the pre vaccine era: a modelling study. <i>BMC Medicine</i> , 2020, 18, 129.	2.3	29
921	Age-dependent effects in the transmission and control of COVID-19 epidemics. <i>Nature Medicine</i> , 2020, 26, 1205-1211.	15.2	1,404
922	Rubella seroprevalence using residual samples from the South African measles surveillance program: a cross-sectional analytic study. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 2656-2662.	1.4	3
923	Transmission dynamics of and insights from the 2018–2019 measles outbreak in New York City: A modeling study. <i>Science Advances</i> , 2020, 6, eaaz4037.	4.7	17
924	Disease and healthcare burden of COVID-19 in the United States. <i>Nature Medicine</i> , 2020, 26, 1212-1217.	15.2	358
925	SOCRATES: an online tool leveraging a social contact data sharing initiative to assess mitigation strategies for COVID-19. <i>BMC Research Notes</i> , 2020, 13, 293.	0.6	59
926	Modelling insights into the COVID-19 pandemic. <i>Paediatric Respiratory Reviews</i> , 2020, 35, 64-69.	1.2	35
927	Presence of Influenza Virus on Touch Surfaces in Kindergartens and Primary Schools. <i>Journal of Infectious Diseases</i> , 2020, 222, 1329-1333.	1.9	18
928	Detecting critical slowing down in high-dimensional epidemiological systems. <i>PLoS Computational Biology</i> , 2020, 16, e1007679.	1.5	34
929	Review of Mathematical Models of Vaccination for Preventing Congenital Cytomegalovirus Infection. <i>Journal of Infectious Diseases</i> , 2020, 221, S86-S93.	1.9	8
930	A method for evaluating the cost-benefit of different preparedness planning policies against pandemic influenza. <i>MethodsX</i> , 2020, 7, 100870.	0.7	6
931	The effect of control strategies to reduce social mixing on outcomes of the COVID-19 epidemic in Wuhan, China: a modelling study. <i>Lancet Public Health</i> , The, 2020, 5, e261-e270.	4.7	1,600

#	ARTICLE	IF	CITATIONS
932	Explaining age disparities in tuberculosis burden in Taiwan: a modelling study. <i>BMC Infectious Diseases</i> , 2020, 20, 191.	1.3	8
933	Model evaluation of target product profiles of an infant vaccine against respiratory syncytial virus (RSV) in a developed country setting. <i>Vaccine: X</i> , 2020, 4, 100055.	0.9	4
934	A Framework for Network-Based Epidemiological Modeling of Tuberculosis Dynamics Using Synthetic Datasets. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 78.	0.9	12
935	Efficacy of contact tracing for the containment of the 2019 novel coronavirus (COVID-19). <i>Journal of Epidemiology and Community Health</i> , 2020, 74, jech-2020-214051.	2.0	245
936	Unreported Cases for Age Dependent COVID-19 Outbreak in Japan. <i>Biology</i> , 2020, 9, 132.	1.3	19
937	Estimation of country-level basic reproductive ratios for novel Coronavirus (SARS-CoV-2/COVID-19) using synthetic contact matrices. <i>PLoS Computational Biology</i> , 2020, 16, e1008031.	1.5	95
938	Tooling-up for infectious disease transmission modelling. <i>Epidemics</i> , 2020, 32, 100395.	1.5	9
939	Role of modelling in COVID-19 policy development. <i>Paediatric Respiratory Reviews</i> , 2020, 35, 57-60.	1.2	59
940	A prospect on the use of antiviral drugs to control local outbreaks of COVID-19. <i>BMC Medicine</i> , 2020, 18, 191.	2.3	47
941	Exploring the young demographic profile of COVID-19 cases in Hong Kong: Evidence from migration and travel history data. <i>PLoS ONE</i> , 2020, 15, e0235306.	1.1	13
942	Using statistics and mathematical modelling to understand infectious disease outbreaks: COVID-19 as an example. <i>Infectious Disease Modelling</i> , 2020, 5, 409-441.	1.2	61
943	The implications of silent transmission for the control of COVID-19 outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17513-17515.	3.3	419
944	Norovirus Seroprevalence among Adults in the United States: Analysis of NHANES Serum Specimens from 1999â€“2000 and 2003â€“2004. <i>Viruses</i> , 2020, 12, 179.	1.5	5
945	Systematic selection between age and household structure for models aimed at emerging epidemic predictions. <i>Nature Communications</i> , 2020, 11, 906.	5.8	32
946	Retrospective study of the use of an influenza disease two-tiered classification system to characterize clinical severity in US children. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 1753-1761.	1.4	1
947	Predominance of a Drifted Influenza A (H3N2) Clade and Its Association with Age-Specific Influenza Vaccine Effectiveness Variations, Influenza Season 2018â€“2019. <i>Vaccines</i> , 2020, 8, 78.	2.1	10
948	An agent-based model about the effects of fake news on a norovirus outbreak. <i>Revue D'Epidemiologie Et De Sante Publique</i> , 2020, 68, 99-107.	0.3	11
949	Disease burden and seasonal impact of improving rotavirus vaccine coverage in the United States: A modeling study. <i>PLoS ONE</i> , 2020, 15, e0228942.	1.1	5

#	ARTICLE	IF	CITATIONS
950	Modification of the random differential transformation method and its applications to compartmental models. <i>Communications in Statistics - Theory and Methods</i> , 2021, 50, 4271-4292.	0.6	11
951	Changes in contact patterns shape the dynamics of the COVID-19 outbreak in China. <i>Science</i> , 2020, 368, 1481-1486.	6.0	942
952	Contact Mixing Patterns and Population Movement among Migrant Workers in an Urban Setting in Thailand. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2237.	1.2	6
953	Effects of School Holidays on Seasonal Influenza in South Korea, 2014–2016. <i>Journal of Infectious Diseases</i> , 2020, 222, 832-835.	1.9	25
954	Close contact behavior in indoor environment and transmission of respiratory infection. <i>Indoor Air</i> , 2020, 30, 645-661.	2.0	74
955	Modeling the waning and boosting of immunity from infection or vaccination. <i>Journal of Theoretical Biology</i> , 2020, 497, 110265.	0.8	25
956	NEAT approach for testing and validation of geospatial network agent-based model processes: case study of influenza spread. <i>International Journal of Geographical Information Science</i> , 2020, 34, 1792-1821.	2.2	7
957	How simulation modelling can help reduce the impact of COVID-19. <i>Journal of Simulation</i> , 2020, 14, 83-97.	1.0	261
958	Systematic Review and Meta-Analysis of Sex Differences in Social Contact Patterns and Implications for Tuberculosis Transmission and Control. <i>Emerging Infectious Diseases</i> , 2020, 26, 910-919.	2.0	25
959	Case fatality rate analysis of Italian COVID-19 outbreak. <i>Journal of Medical Virology</i> , 2020, 92, 919-923.	2.5	39
960	An SIS model for the epidemic dynamics with two phases of the human day-to-day activity. <i>Journal of Mathematical Biology</i> , 2020, 80, 2109-2140.	0.8	13
961	What are the underlying transmission patterns of COVID-19 outbreak? An age-specific social contact characterization. <i>EClinicalMedicine</i> , 2020, 22, 100354.	3.2	118
962	Demographic science aids in understanding the spread and fatality rates of COVID-19. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9696-9698.	3.3	719
963	Transmissibility and pathogenicity of the emerging meningococcal serogroup W sequence type-11 complex South American strain: a mathematical modeling study. <i>BMC Medicine</i> , 2020, 18, 109.	2.3	0
964	Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission. <i>PLoS Pathogens</i> , 2020, 16, e1008395.	2.1	28
965	Projecting demand for critical care beds during COVID-19 outbreaks in Canada. <i>Cmaj</i> , 2020, 192, E489-E496.	0.9	132
966	Mathematical modelling of COVID-19 transmission and mitigation strategies in the population of Ontario, Canada. <i>Cmaj</i> , 2020, 192, E497-E505.	0.9	326
967	<i>Infectious Disease Modeling.</i> , 2021, , 331-344.		0

#	ARTICLE	IF	CITATIONS
968	Testing for COVID-19: willful ignorance or selfless behavior?. Behavioural Public Policy, 2021, 5, 135-152.	1.6	53
969	Asymptomatic Transmission and the Infection Fatality Risk for COVID-19: Implications for School Reopening. Clinical Infectious Diseases, 2021, 72, 1493-1496.	2.9	65
970	Statistical Estimation of the Reproductive Number From Case Notification Data. American Journal of Epidemiology, 2021, 190, 611-620.	1.6	21
971	Estimating the infection-fatality risk of SARS-CoV-2 in New York City during the spring 2020 pandemic wave: a model-based analysis. Lancet Infectious Diseases, The, 2021, 21, 203-212.	4.6	165
972	Cost-effectiveness of live-attenuated influenza vaccination among school-age children. Vaccine, 2021, 39, 447-456.	1.7	4
973	Modelling of optimal vaccination strategies in response to a bioterrorism associated smallpox outbreak. Human Vaccines and Immunotherapeutics, 2021, 17, 738-746.	1.4	2
974	Effect of Timing of and Adherence to Social Distancing Measures on COVID-19 Burden in the United States. Annals of Internal Medicine, 2021, 174, 50-57.	2.0	57
975	Integrating Alternative Social Value Judgments Into Cost-Effectiveness Analysis of Vaccines: An Application to Varicella-Zoster Virus Vaccination. Value in Health, 2021, 24, 41-49.	0.1	4
976	Strangers look sicker (with implications in times of COVID-19). BioEssays, 2021, 43, e2000158.	1.2	21
977	Transmission heterogeneities, kinetics, and controllability of SARS-CoV-2. Science, 2021, 371, .	6.0	341
978	Discontinuous transitions of social distancing in the SIR model. Physica A: Statistical Mechanics and Its Applications, 2021, 566, 125632.	1.2	5
979	The role of schools and school-aged children in SARS-CoV-2 transmission. Lancet Infectious Diseases, The, 2021, 21, 298-299.	4.6	60
980	A model based on cellular automata to estimate the social isolation impact on COVID-19 spreading in Brazil. Computer Methods and Programs in Biomedicine, 2021, 200, 105832.	2.6	38
981	COVID-19: Analytics of contagion on inhomogeneous random social networks. Infectious Disease Modelling, 2021, 6, 75-90.	1.2	4
982	Cost-Effectiveness of 4CMenB Infant Vaccination in England: A Comprehensive Valuation Considering the Broad Impact of Serogroup B Invasive Meningococcal Disease. Value in Health, 2021, 24, 91-104.	0.1	24
983	College Campuses and COVID-19 Mitigation: Clinical and Economic Value. Annals of Internal Medicine, 2021, 174, 472-483.	2.0	64
984	Navigating hospitals safely through the COVID-19 epidemic tide: Predicting case load for adjusting bed capacity. Infection Control and Hospital Epidemiology, 2021, 42, 653-658.	1.0	12
985	Imitation Dynamics in Population Games on Community Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 65-76.	2.4	23

#	ARTICLE	IF	CITATIONS
986	Influenza in Children. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a038430.	2.9	22
987	Evaluating vaccination effectiveness of group-specific fractional-dose strategies. Discrete and Continuous Dynamical Systems - Series B, 2022, 27, 717.	0.5	0
989	A primer on using mathematics to understand COVID-19 dynamics: Modeling, analysis and simulations. Infectious Disease Modelling, 2021, 6, 148-168.	1.2	98
990	A population-based controlled experiment assessing the epidemiological impact of digital contact tracing. Nature Communications, 2021, 12, 587.	5.8	98
991	Inferring high-resolution human mixing patterns for disease modeling. Nature Communications, 2021, 12, 323.	5.8	161
993	An Evaluation of the Frameworks for Predicting COVID-19 in Nigeria Using Time Series Data Analytics Model. Lecture Notes in Networks and Systems, 2021, , 109-123.	0.5	0
994	Age-specific social mixing of school-aged children in a US setting using proximity detecting sensors and contact surveys. Scientific Reports, 2021, 11, 2319.	1.6	5
995	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
996	Socio-economic factors associated with the incidence of Shiga-toxin producing <i>Escherichia coli</i> (STEC) enteritis and cryptosporidiosis in the Republic of Ireland, 2008–2017. Epidemiology and Infection, 2021, 149, .	1.0	0
997	Secondary Attack Rates in Primary and Secondary School Bubbles Following a Confirmed Case: Active, Prospective National Surveillance, November to December 2020, England. SSRN Electronic Journal, 0, , .	0.4	2
998	An international initiative of predicting the SARS-CoV-2 pandemic using ensemble data assimilation. , 2021, 3, 413.		9
999	The Impact of Vaccination on Coronavirus Disease 2019 (COVID-19) Outbreaks in the United States. Clinical Infectious Diseases, 2021, 73, 2257-2264.	2.9	376
1001	o2geosocial: Reconstructing who-infected-whom from routinely collected surveillance data. F1000Research, 0, 10, 31.	0.8	0
1003	Predictions of COVID-19 dynamics in the UK: Short-term forecasting and analysis of potential exit strategies. PLoS Computational Biology, 2021, 17, e1008619.	1.5	87
1004	Associations of working from home with occupational physical activity and sedentary behavior under the COVID-19 pandemic. Journal of Occupational Health, 2021, 63, e12212.	1.0	80
1005	Estimating the COVID-19 epidemic trajectory and hospital capacity requirements in South West England: a mathematical modelling framework. BMJ Open, 2021, 11, e041536.	0.8	24
1006	Comparative Validation of Simulation Models for the COVID-19 Crisis. Computational Social Sciences, 2021, , 331-352.	0.4	0
1007	Simulating preventative testing of SARS-CoV-2 in schools: policy implications. BMC Public Health, 2021, 21, 125.	1.2	33

#	ARTICLE	IF	CITATIONS
1008	Cost-Effectiveness of Pediatric Influenza Vaccination in The Netherlands. <i>Value in Health</i> , 2021, 24, 19-31.	0.1	7
1009	Aptamers for the Diagnosis of Infectious Diseases. , 2021, , 207-238.		0
1011	How to Coordinate Vaccination and Social Distancing to Mitigate SARS-CoV-2 Outbreaks. <i>SIAM Journal on Applied Dynamical Systems</i> , 2021, 20, 1135-1157.	0.7	19
1012	Optimization strategies of human mobility during the COVID-19 pandemic: A review. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 7965-7978.	1.0	3
1013	A new approach to the dynamic modeling of an infectious disease. <i>Mathematical Modelling of Natural Phenomena</i> , 2021, 16, 33.	0.9	5
1014	GeoComputation and Spatial Modelling for Decision-Making. <i>Springer Geography</i> , 2021, , 221-273.	0.3	0
1015	A Model for Urban Social Networks. <i>Lecture Notes in Computer Science</i> , 2021, , 281-294.	1.0	4
1016	Impact of biometeorological conditions and air pollution on influenza-like illnesses incidence in Warsaw. <i>International Journal of Biometeorology</i> , 2021, 65, 929-944.	1.3	21
1017	Social contacts, epidemic spreading and health system. Mathematical modeling and applications to COVID-19 infection. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 3384-3403.	1.0	10
1018	Synthetic Reproduction and Augmentation of COVID-19 Case Reporting Data by Agent-Based Simulation. <i>Data Science Journal</i> , 2021, 20, .	0.6	7
1019	Socioeconomic status and cardiovascular health in the COVID-19 pandemic. <i>Heart</i> , 2021, 107, 358-365.	1.2	27
1020	A novel approach for evaluating contact patterns and risk mitigation strategies for COVID-19 in English primary schools with application of structured expert judgement. <i>Royal Society Open Science</i> , 2021, 8, 201566.	1.1	7
1021	Contact tracing – Old models and new challenges. <i>Infectious Disease Modelling</i> , 2021, 6, 222-231.	1.2	38
1022	Developing a Framework for Public Involvement in Mathematical and Economic Modelling: Bringing New Dynamism to Vaccination Policy Recommendations. <i>Patient</i> , 2021, 14, 435-445.	1.1	24
1025	The value of infectious disease modeling and trend assessment: a public health perspective. <i>Expert Review of Anti-Infective Therapy</i> , 2021, 19, 1135-1145.	2.0	7
1029	The effect of multiple interventions to balance healthcare demand for controlling COVID-19 outbreaks: a modelling study. <i>Scientific Reports</i> , 2021, 11, 3110.	1.6	11
1030	Trade-offs between mobility restrictions and transmission of SARS-CoV-2. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200936.	1.5	12
1031	A scaling approach to estimate the age-dependent COVID-19 infection fatality ratio from incomplete data. <i>PLoS ONE</i> , 2021, 16, e0246831.	1.1	8

#	ARTICLE	IF	CITATIONS
1032	“We didn't get much schooling because we were fishing all the time” Potential impacts of irregular school attendance on the spread of epidemics. <i>American Journal of Human Biology</i> , 2021, , e23578.	0.8	2
1034	A new perspective from time use research on the effects of social restrictions on COVID-19 behavioral infection risk. <i>PLoS ONE</i> , 2021, 16, e0245551.	1.1	20
1035	How did governmental interventions affect the spread of COVID-19 in European countries?. <i>BMC Public Health</i> , 2021, 21, 411.	1.2	19
1036	Isolation and Contact Tracing Can Tip the Scale to Containment of COVID-19 in Populations With Social Distancing. <i>Frontiers in Physics</i> , 2021, 8, .	1.0	30
1038	Reconstructing the household transmission of influenza in the suburbs of Tokyo based on clinical cases. <i>Theoretical Biology and Medical Modelling</i> , 2021, 18, 7.	2.1	1
1039	Intake Vaccinations Reduced Signs of Canine Respiratory Disease During an Outbreak at an Animal Shelter. <i>Frontiers in Veterinary Science</i> , 2021, 8, 627580.	0.9	5
1040	The epidemiologic impact and cost-effectiveness of new tuberculosis vaccines on multidrug-resistant tuberculosis in India and China. <i>BMC Medicine</i> , 2021, 19, 60.	2.3	20
1042	Modelling and predicting the effect of social distancing and travel restrictions on COVID-19 spreading. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200875.	1.5	61
1043	Exit strategies: optimising feasible surveillance for detection, elimination, and ongoing prevention of COVID-19 community transmission. <i>BMC Medicine</i> , 2021, 19, 50.	2.3	33
1045	Endogenous social distancing and its underappreciated impact on the epidemic curve. <i>Scientific Reports</i> , 2021, 11, 3093.	1.6	17
1046	Exposome changes in primary school children following the wide population non-pharmacological interventions implemented due to COVID-19 in Cyprus: A national survey. <i>EClinicalMedicine</i> , 2021, 32, 100721.	3.2	10
1048	Modeling the effect of lockdown timing as a COVID-19 control measure in countries with differing social contacts. <i>Scientific Reports</i> , 2021, 11, 3354.	1.6	98
1049	Impact of physical distancing measures against COVID-19 on contacts and mixing patterns: repeated cross-sectional surveys, the Netherlands, 2016â€“17, April 2020 and June 2020. <i>Eurosurveillance</i> , 2021, 26, .	3.9	59
1050	Effects of Social Distancing Measures during the First Epidemic Wave of Severe Acute Respiratory Syndrome Infection, Greece. <i>Emerging Infectious Diseases</i> , 2021, 27, 452-462.	2.0	31
1051	Optimal Allocation of the Limited COVID-19 Vaccine Supply in South Korea. <i>Journal of Clinical Medicine</i> , 2021, 10, 591.	1.0	64
1052	Reliability Analysis of Bus Timetabling Strategy during the COVID-19 Epidemic: A Case Study of Yixing, China. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-14.	0.5	3
1054	Covid-19 contagion, economic activity and business reopening protocols. <i>Journal of Economic Behavior and Organization</i> , 2021, 182, 264-284.	1.0	18
1055	Model for Mitigation of Workplace Transmission of COVID-19 Through Population-Based Testing and Surveillance. <i>Population Health Management</i> , 2021, 24, S-16-S-25.	0.8	9

#	ARTICLE	IF	CITATIONS
1056	Simpson's Paradox in COVID-19 Case Fatality Rates: A Mediation Analysis of Age-Related Causal Effects. <i>IEEE Transactions on Artificial Intelligence</i> , 2021, 2, 18-27.	3.4	18
1057	An Egocentric Network Contact Tracing Experiment: Testing Different Procedures to Elicit Contacts and Places. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1466.	1.2	4
1058	Dynamics of COVID-19 under social distancing measures are driven by transmission network structure. <i>PLoS Computational Biology</i> , 2021, 17, e1008684.	1.5	67
1059	Implications of the COVID-19 Lockdown on Dengue Transmission in Malaysia. <i>Infectious Disease Reports</i> , 2021, 13, 148-160.	1.5	24
1060	Quantifying population contact patterns in the United States during the COVID-19 pandemic. <i>Nature Communications</i> , 2021, 12, 893.	5.8	103
1061	Effectiveness of non-pharmaceutical interventions to contain COVID-19: a case study of the 2020 spring pandemic wave in New York City. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200822.	1.5	29
1062	INFEKTA—An agent-based model for transmission of infectious diseases: The COVID-19 case in Bogotá, Colombia. <i>PLoS ONE</i> , 2021, 16, e0245787.	1.1	34
1064	Optimizing antiviral treatment for seasonal influenza in the USA: a mathematical modeling analysis. <i>BMC Medicine</i> , 2021, 19, 54.	2.3	4
1065	Effect of evacuation of Japanese residents from Wuhan, China, on preventing transmission of novel coronavirus infection: A modelling study. <i>Journal of Infection and Chemotherapy</i> , 2021, 27, 515-520.	0.8	0
1066	Human mobility and poverty as key drivers of COVID-19 transmission and control. <i>BMC Public Health</i> , 2021, 21, 596.	1.2	40
1067	The gender gap in aversion to COVID-19 exposure: Evidence from professional tennis. <i>PLoS ONE</i> , 2021, 16, e0249045.	1.1	6
1068	Close contact infection dynamics over time: insights from a second large-scale social contact survey in Flanders, Belgium, in 2010-2011. <i>BMC Infectious Diseases</i> , 2021, 21, 274.	1.3	20
1069	The Gender Dimension of Occupational Exposure to Contagion in Europe. <i>Feminist Economics</i> , 2021, 27, 48-65.	2.4	9
1072	Stochastic sampling effects favor manual over digital contact tracing. <i>Nature Communications</i> , 2021, 12, 1919.	5.8	13
1073	Model-based evaluation of school- and non-school-related measures to control the COVID-19 pandemic. <i>Nature Communications</i> , 2021, 12, 1614.	5.8	58
1074	Infectivity, susceptibility, and risk factors associated with SARS-CoV-2 transmission under intensive contact tracing in Hunan, China. <i>Nature Communications</i> , 2021, 12, 1533.	5.8	117
1077	Easing COVID-19 lockdown measures while protecting the older restricts the deaths to the level of the full lockdown. <i>Scientific Reports</i> , 2021, 11, 5839.	1.6	14
1078	A pilot study investigating the social contact patterns of Korean elderly. <i>Public Health Nursing</i> , 2021, 38, 926-930.	0.7	1

#	ARTICLE	IF	CITATIONS
1079	Overdispersion in COVID-19 increases the effectiveness of limiting nonrepetitive contacts for transmission control. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	71
1083	Modelling COVID-19 contagion: risk assessment and targeted mitigation policies. Royal Society Open Science, 2021, 8, 201535.	1.1	13
1086	Socio-demographic disparities in knowledge, practices, and ability to comply with COVID-19 public health measures in Canada. Canadian Journal of Public Health, 2021, 112, 363-375.	1.1	40
1087	Effects of latency and age structure on the dynamics and containment of COVID-19. Journal of Theoretical Biology, 2021, 513, 110587.	0.8	38
1088	Association between living with children and outcomes from covid-19: OpenSAFELY cohort study of 12 million adults in England. BMJ, The, 2021, 372, n628.	3.0	56
1089	Age groups that sustain resurging COVID-19 epidemics in the United States. Science, 2021, 371, .	6.0	239
1090	EQUIVALENT MODELS IN ASSOCIATION RULES ANALYSIS. Journal of Data Science, 2016, 14, 713-738.	0.5	0
1091	Estimating SARS-CoV-2 seroprevalence and epidemiological parameters with uncertainty from serological surveys. ELife, 2021, 10, .	2.8	59
1092	Modeling the effect of exposure notification and non-pharmaceutical interventions on COVID-19 transmission in Washington state. Npj Digital Medicine, 2021, 4, 49.	5.7	59
1093	Future scenarios for the SARS-CoV-2 epidemic in Switzerland: an age-structured model. F1000Research, 2020, 9, 646.	0.8	0
1094	Transmissibility and transmission of respiratory viruses. Nature Reviews Microbiology, 2021, 19, 528-545.	13.6	446
1095	Determining the level of social distancing necessary to avoid future COVID-19 epidemic waves: a modelling study for North East London. Scientific Reports, 2021, 11, 5806.	1.6	8
1096	Mathematical computations on epidemiology: a case study of the novel coronavirus (SARS-CoV-2). Theory in Biosciences, 2021, 140, 123-138.	0.6	8
1097	The effect of control measures on COVID-19 transmission in South Korea. PLoS ONE, 2021, 16, e0249262.	1.1	19
1099	Understanding On-Campus Interactions With a Semiautomated, Barcode-Based Platform to Augment COVID-19 Contact Tracing: App Development and Usage. JMIR MHealth and UHealth, 2021, 9, e24275.	1.8	7
1100	On realized serial and generation intervals given control measures: The COVID-19 pandemic case. PLoS Computational Biology, 2021, 17, e1008892.	1.5	21
1101	Real-time tracking and prediction of COVID-19 infection using digital proxies of population mobility and mixing. Nature Communications, 2021, 12, 1501.	5.8	67
1102	Prevalence of COVID-19 in adolescents and youth compared with older adults in states experiencing surges. PLoS ONE, 2021, 16, e0242587.	1.1	42

#	ARTICLE	IF	CITATIONS
1106	Health inequities in influenza transmission and surveillance. <i>PLoS Computational Biology</i> , 2021, 17, e1008642.	1.5	21
1108	A Two-Phase Stochastic Dynamic Model for COVID-19 Mid-Term Policy Recommendations in Greece: A Pathway towards Mass Vaccination. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2497.	1.2	17
1109	Town population size and structuring into villages and households drive infectious disease risks in pre-healthcare Finland. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210356.	1.2	5
1111	Inferring Urban Social Networks from Publicly Available Data. <i>Future Internet</i> , 2021, 13, 108.	2.4	9
1112	Timing the SARS-CoV-2 index case in Hubei province. <i>Science</i> , 2021, 372, 412-417.	6.0	109
1113	Dynamic prioritization of COVID-19 vaccines when social distancing is limited for essential workers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	149
1114	Five approaches to the suppression of SARS-CoV-2 without intensive social distancing. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20203074.	1.2	4
1115	Simulated Identification of Silent COVID-19 Infections Among Children and Estimated Future Infection Rates With Vaccination. <i>JAMA Network Open</i> , 2021, 4, e217097.	2.8	22
1116	Association of tiered restrictions and a second lockdown with COVID-19 deaths and hospital admissions in England: a modelling study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 482-492.	4.6	100
1117	Social Distancing and SARS-CoV-2 Transmission Potential Early in the Epidemic in Finland. <i>Epidemiology</i> , 2021, 32, 525-532.	1.2	11
1119	The Avon Longitudinal Study of Parents and Children - A resource for COVID-19 research: Generation 2 questionnaire data capture May-July 2020. <i>Wellcome Open Research</i> , 2020, 5, 278.	0.9	6
1120	Evaluation of COVID-19 vaccination strategies with a delayed second dose. <i>PLoS Biology</i> , 2021, 19, e3001211.	2.6	111
1121	Surveillance of common respiratory infections during the COVID-19 pandemic demonstrates the preventive efficacy of non-pharmaceutical interventions. <i>International Journal of Infectious Diseases</i> , 2021, 105, 442-447.	1.5	13
1122	Workplace influenza vaccination to reduce employee absenteeism: An economic analysis from the employersâ€™ perspective. <i>Vaccine</i> , 2021, 39, 2005-2015.	1.7	13
1123	Asymptomatic Cases, the Hidden Challenge in Predicting COVID-19 Caseload Increases. <i>Infectious Disease Reports</i> , 2021, 13, 340-347.	1.5	18
1124	Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England. <i>Science</i> , 2021, 372, .	6.0	2,103
1126	Age-Stratified COVID-19 Spread Analysis and Vaccination: A Multitype Random Network Approach. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 1862-1872.	4.1	13
1127	Evolving Epidemiological Characteristics of COVID-19 in Hong Kong From January to August 2020: Retrospective Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e26645.	2.1	27

#	ARTICLE	IF	CITATIONS
1128	The influence of social and economic ties to the spread of COVID-19 in Europe. <i>Journal of Population Research</i> , 2022, 39, 495-511.	0.6	29
1129	Predicting new cases of COVID-19 and the application to population sustainability analysis. <i>Accounting and Finance</i> , 2021, 61, 4859-4884.	1.7	2
1130	Estimating the basic reproductive number of varicella in South Korea incorporating social contact patterns and seroprevalence. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 2488-2493.	1.4	3
1131	Measuring voluntary and policy-induced social distancing behavior during the COVID-19 pandemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	95
1132	Resurgence of SARS-CoV-2: Detection by community viral surveillance. <i>Science</i> , 2021, 372, 990-995.	6.0	91
1135	COVID-19: Perturbation dynamics resulting chaos to stable with seasonality transmission. <i>Chaos, Solitons and Fractals</i> , 2021, 145, 110772.	2.5	16
1137	Behaviours and attitudes in response to the COVID-19 pandemic: insights from a cross-national Facebook survey. <i>EPJ Data Science</i> , 2021, 10, 17.	1.5	55
1138	Projecting the impact of a two-dose COVID-19 vaccination campaign in Ontario, Canada. <i>Vaccine</i> , 2021, 39, 2360-2365.	1.7	30
1139	The impact of two-dose varicella vaccination on varicella and herpes zoster incidence in South Korea using a mathematical model with changing population demographics. <i>Vaccine</i> , 2021, 39, 2575-2583.	1.7	10
1140	Targeted COVID-19 Vaccination (TAV-COVID) Considering Limited Vaccination Capacities—An Agent-Based Modeling Evaluation. <i>Vaccines</i> , 2021, 9, 434.	2.1	27
1142	Modelling the impact of household size distribution on the transmission dynamics of COVID-19. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210036.	1.5	12
1143	Age-structured SIR model and resource growth dynamics: a COVID-19 study. <i>Nonlinear Dynamics</i> , 2021, 104, 2853-2864.	2.7	17
1144	Mathematical Modelling of the Impact of Non-Pharmacological Strategies to Control the COVID-19 Epidemic in Portugal. <i>Mathematics</i> , 2021, 9, 1084.	1.1	11
1145	Modeling the impact of racial and ethnic disparities on COVID-19 epidemic dynamics. <i>ELife</i> , 2021, 10, .	2.8	22
1146	Using a household-structured branching process to analyse contact tracing in the SARS-CoV-2 pandemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200267.	1.8	27
1147	The population attributable fraction of cases due to gatherings and groups with relevance to COVID-19 mitigation strategies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200273.	1.8	8
1149	Accelerated vaccine rollout is imperative to mitigate highly transmissible COVID-19 variants. <i>EClinicalMedicine</i> , 2021, 35, 100865.	3.2	100
1150	Incorporating equity in infectious disease modeling: Case study of a distributional impact framework for measles transmission. <i>Vaccine</i> , 2021, 39, 2894-2900.	1.7	4

#	ARTICLE	IF	CITATIONS
1151	Segmentation and shielding of the most vulnerable members of the population as elements of an exit strategy from COVID-19 lockdown. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200275.	1.8	15
1152	Mapping social distancing measures to the reproduction number for COVID-19. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200276.	1.8	24
1155	Effectiveness of Testing and Contact-Tracing to Counter COVID-19 Pandemic: Designed Experiments of Agent-Based Simulation. <i>Healthcare (Switzerland)</i> , 2021, 9, 625.	1.0	6
1156	Real-time nowcasting and forecasting of COVID-19 dynamics in England: the first wave. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200279.	1.8	62
1157	Vaccinating children against SARS-CoV-2. <i>BMJ, The</i> , 2021, 373, n1197.	3.0	17
1158	Predicting the dynamical behavior of COVID-19 epidemic and the effect of control strategies. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110823.	2.5	16
1159	A data-driven metapopulation model for the Belgian COVID-19 epidemic: assessing the impact of lockdown and exit strategies. <i>BMC Infectious Diseases</i> , 2021, 21, 503.	1.3	35
1160	Addressing the COVID-19 transmission in inner Brazil by a mathematical model. <i>Scientific Reports</i> , 2021, 11, 10760.	1.6	5
1161	Control with uncertain data of socially structured compartmental epidemic models. <i>Journal of Mathematical Biology</i> , 2021, 82, 63.	0.8	31
1163	Interim 2019/2020 Influenza Vaccine Effectiveness in Japan from October 2019 to January 2020. <i>Japanese Journal of Infectious Diseases</i> , 2021, 74, 175-179.	0.5	2
1165	The impact of relaxing interventions on human contact patterns and SARS-CoV-2 transmission in China. <i>Science Advances</i> , 2021, 7, .	4.7	53
1166	Modelling optimal vaccination strategy for SARS-CoV-2 in the UK. <i>PLoS Computational Biology</i> , 2021, 17, e1008849.	1.5	142
1167	Superspreading of airborne pathogens in a heterogeneous world. <i>Scientific Reports</i> , 2021, 11, 11191.	1.6	3
1170	Changes in infection-related hospitalizations in children following pandemic restrictions: an interrupted time-series analysis of total population data. <i>International Journal of Epidemiology</i> , 2021, 50, 1435-1443.	0.9	16
1171	Increasing efficacy of contact-tracing applications by user referrals and stricter quarantining. <i>PLoS ONE</i> , 2021, 16, e0250435.	1.1	3
1172	Impact of presymptomatic transmission on epidemic spreading in contact networks: A dynamic message-passing analysis. <i>Physical Review E</i> , 2021, 103, 052303.	0.8	7
1177	The impact of school reopening on the spread of COVID-19 in England. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200261.	1.8	41
1178	Modelling the Transmission Dynamics of COVID-19 in Six High-Burden Countries. <i>BioMed Research International</i> , 2021, 2021, 1-17.	0.9	25

#	ARTICLE	IF	CITATIONS
1179	Shut and re-open: the role of schools in the spread of COVID-19 in Europe. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200277.	1.8	33
1180	Limits of lockdown: characterising essential contacts during strict physical distancing. <i>Wellcome Open Research</i> , 0, 6, 116.	0.9	2
1181	Intra-area factors dominate the spatio-temporal transmission heterogeneity of hand, foot, and mouth disease in China: A modelling study. <i>Science of the Total Environment</i> , 2021, 775, 145859.	3.9	0
1184	Impact of survey design on estimation of exponential-family random graph models from egocentrically-sampled data. <i>Social Networks</i> , 2022, 69, 22-34.	1.3	3
1186	The COVID University Challenge: A Hazard Analysis of Critical Control Points Assessment of the Return of Students to Higher Education Establishments. <i>Risk Analysis</i> , 2021, 41, 2286-2292.	1.5	2
1187	Sociodemographic determinants of intraurban variations in COVID-19 incidence: the case of Barcelona. <i>Journal of Epidemiology and Community Health</i> , 2022, 76, 1-7.	2.0	33
1188	Public healthcare system capacity during COVID-19: A computational case study of SARS-CoV-2. <i>Health Science Reports</i> , 2021, 4, e305.	0.6	1
1189	Accounting for the spread of vaccination behavior to optimize influenza vaccination programs. <i>PLoS ONE</i> , 2021, 16, e0252510.	1.1	6
1190	Optimizing Spatial Allocation of COVID-19 Vaccine by Agent-Based Spatiotemporal Simulations. <i>GeoHealth</i> , 2021, 5, e2021GH000427.	1.9	34
1191	Lockdown measures and their impact on single- and two-age-structured epidemic model for the COVID-19 outbreak in Mexico. <i>Mathematical Biosciences</i> , 2021, 336, 108590.	0.9	17
1192	Acceptability and feasibility of strategies to shield the vulnerable during the COVID-19 outbreak: a qualitative study in six Sudanese communities. <i>BMC Public Health</i> , 2021, 21, 1153.	1.2	12
1193	Competition between RSV and influenza: Limits of modelling inference from surveillance data. <i>Epidemics</i> , 2021, 35, 100460.	1.5	14
1194	Understanding norovirus reporting patterns in England: a mixed model approach. <i>BMC Public Health</i> , 2021, 21, 1245.	1.2	9
1195	Contact tracing efficiency, transmission heterogeneity, and accelerating COVID-19 epidemics. <i>PLoS Computational Biology</i> , 2021, 17, e1009122.	1.5	33
1196	Contacts and behaviours of university students during the COVID-19 pandemic at the start of the 2020/2021 academic year. <i>Scientific Reports</i> , 2021, 11, 11728.	1.6	23
1197	A decision analytic approach for social distancing policies during early stages of COVID-19 pandemic. <i>Decision Support Systems</i> , 2022, 161, 113630.	3.5	8
1198	Prevalence of SARS-CoV-2 Infection in Children and Their Parents in Southwest Germany. <i>JAMA Pediatrics</i> , 2021, 175, 586.	3.3	124
1199	High SARS-CoV-2 seroprevalence in children and adults in the Austrian ski resort of Ischgl. <i>Communications Medicine</i> , 2021, 1, 4.	1.9	36

#	ARTICLE	IF	CITATIONS
1200	The evolution of the association between community level social capital and COVID-19 deaths and hospitalizations in the United States. <i>Social Science and Medicine</i> , 2021, 278, 113948.	1.8	38
1202	Thinking clearly about social aspects of infectious disease transmission. <i>Nature</i> , 2021, 595, 205-213.	13.7	71
1203	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. <i>Wellcome Open Research</i> , 0, 5, 288.	0.9	5
1204	COVID-19 Lockdowns May Reduce Resistance Genes Diversity in the Human Microbiome and the Need for Antibiotics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6891.	1.8	6
1206	o2geosocial: Reconstructing who-infected-whom from routinely collected surveillance data. <i>F1000Research</i> , 0, 10, 31.	0.8	1
1208	JUE insight: Learning epidemiology by doing: The empirical implications of a Spatial-SIR model with behavioral responses. <i>Journal of Urban Economics</i> , 2022, 127, 103368.	2.4	12
1209	Impact of COVID-19-related disruptions to measles, meningococcal A, and yellow fever vaccination in 10 countries. <i>ELife</i> , 2021, 10, .	2.8	54
1210	Kinetic models for epidemic dynamics with social heterogeneity. <i>Journal of Mathematical Biology</i> , 2021, 83, 4.	0.8	33
1211	Investigating connections between COVID-19 pandemic, air pollution and community interventions for Pakistan employing geoinformation technologies. <i>Chemosphere</i> , 2021, 272, 129809.	4.2	25
1212	Spread of a SARS-CoV-2 variant through Europe in the summer of 2020. <i>Nature</i> , 2021, 595, 707-712.	13.7	363
1213	Estimating the duration of seropositivity of human seasonal coronaviruses using seroprevalence studies. <i>Wellcome Open Research</i> , 2021, 6, 138.	0.9	3
1215	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	89
1216	Assessment of CO2 and aerosol (PM2.5, PM10, UFP) concentrations during the reopening of schools in the COVID-19 pandemic: The case of a metropolitan area in Central-Southern Spain. <i>Environmental Research</i> , 2021, 197, 111092.	3.7	42
1218	The one-sided explanations of a multifactorial coronavirus disease. <i>Scandinavian Journal of Public Health</i> , 2021, , 140349482110265.	1.2	0
1221	Quarantine, Contact Tracing, and Testing: Implications of an Augmented SEIR Model. <i>B E Journal of Macroeconomics</i> , 2022, 22, 53-88.	0.3	2
1223	Covasim: An agent-based model of COVID-19 dynamics and interventions. <i>PLoS Computational Biology</i> , 2021, 17, e1009149.	1.5	330
1225	Accuracy of State-Level Surveillance during Emerging Outbreaks of Respiratory Viruses: A Model-Based Assessment. <i>Medical Decision Making</i> , 2021, 41, 1004-1016.	1.2	0
1226	The incidence and magnitude of the health costs of in-person schooling during the COVID-19 pandemic. <i>Public Choice</i> , 2021, 188, 303-332.	1.0	12

#	ARTICLE	IF	CITATIONS
1228	Assessing the burden of congenital rubella syndrome in China and evaluating mitigation strategies: a metapopulation modelling study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1004-1013.	4.6	11
1229	Projecting the Impact of SARS-CoV-2 Variants and the Vaccination Program on the Fourth Wave of the COVID-19 Pandemic in South Korea. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7578.	1.2	27
1230	OpenABM-Covid19â€”An agent-based model for non-pharmaceutical interventions against COVID-19 including contact tracing. <i>PLoS Computational Biology</i> , 2021, 17, e1009146.	1.5	118
1232	Modeling the COVID-19 pandemic: a primer and overview of mathematical epidemiology. <i>SeMA Journal</i> , 2022, 79, 225-251.	1.0	17
1234	Trends, Mechanisms, and Racial/Ethnic Differences of Tuberculosis Incidence in the US-Born Population Aged 50 Years or Older in the United States. <i>Clinical Infectious Diseases</i> , 2022, 74, 1594-1603.	2.9	9
1235	The effectiveness of mobility control, shortening of restaurantsâ€™ opening hours, and working from home on control of COVID-19 spread in Japan. <i>Health and Place</i> , 2021, 70, 102622.	1.5	19
1236	Seroprevalence of SARS-CoV-2 among Blood Donors and Changes after Introduction of Public Health and Social Measures, London, UK. <i>Emerging Infectious Diseases</i> , 2021, 27, 1795-1801.	2.0	18
1237	Group travel behavior in metro system and its relationship with house price. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 573, 125957.	1.2	6
1238	Tracking Public and Private Responses to the COVID-19 Epidemic. <i>American Journal of Health Economics</i> , 2021, 7, 361-404.	1.4	41
1239	An epidemic model for COVID-19 transmission in Argentina: Exploration of the alternating quarantine and massive testing strategies. <i>Mathematical Biosciences</i> , 2022, 346, 108664.	0.9	8
1241	Estimation of the reproduction number of influenza A(H1N1)pdm09 in South Korea using heterogeneous models. <i>BMC Infectious Diseases</i> , 2021, 21, 658.	1.3	4
1243	Accelerating vaccine trial conduct in a pandemic with a hot spotâ€”based inclusion strategy using trial and epidemic simulation. <i>Clinical and Translational Science</i> , 2021, 14, 2391-2398.	1.5	6
1245	Lives saved with vaccination for 10 pathogens across 112 countries in a pre-COVID-19 world. <i>ELife</i> , 2021, 10, .	2.8	50
1246	The Emergence of SARS-CoV-2 within the Dog Population in Croatia: Host Factors and Clinical Outcome. <i>Viruses</i> , 2021, 13, 1430.	1.5	18
1247	The impact of digital contact tracing on the SARS-CoV-2 pandemicâ€”a comprehensive modelling study. <i>EPJ Data Science</i> , 2021, 10, 37.	1.5	13
1249	J<sc>une</sc> : open-source individual-based epidemiology simulation. <i>Royal Society Open Science</i> , 2021, 8, 210506.	1.1	14
1251	Role of efficient testing and contact tracing in mitigating the COVID-19 pandemic: a network modelling study. <i>BMJ Open</i> , 2021, 11, e045886.	0.8	10
1252	What does COVIDâ€”19 testing results really say? The real statistics concealed behind the accessible data. <i>Journal of Medical Virology</i> , 2021, 93, 5977-5987.	2.5	3

#	ARTICLE	IF	CITATIONS
1253	COVID-19 mitigation by digital contact tracing and contact prevention (app-based social exposure) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	10
1255	Projecting contact matrices in 177 geographical regions: An update and comparison with empirical data for the COVID-19 era. PLoS Computational Biology, 2021, 17, e1009098.	1.5	115
1256	A data driven agent-based model that recommends non-pharmaceutical interventions to suppress Coronavirus disease 2019 resurgence in megacities. Journal of the Royal Society Interface, 2021, 18, 20210112.	1.5	26
1257	Optimal COVID-19 Vaccine Sharing Between Two Nations That Also Have Extensive Travel Exchanges. Frontiers in Public Health, 2021, 9, 633144.	1.3	4
1259	Prioritizing vaccination by age and social activity to advance societal health benefits in Norway: a modelling study. Lancet Regional Health - Europe, The, 2021, 10, 100200.	3.0	13
1260	Influence of Opening Up Daycare and Day Camps on Resurgence Potential of COVID-19 Pandemic: Assessing Infectivity Potential From Youth in Ontario, Canada. IEEE Transactions on Computational Social Systems, 2021, 8, 1052-1060.	3.2	0
1261	Rapid Review of Social Contact Patterns During the COVID-19 Pandemic. Epidemiology, 2021, 32, 781-791.	1.2	68
1262	The role of age in the spreading of COVID-19 across a social network in Bucharest. Journal of Complex Networks, 2021, 9, cnab026.	1.1	12
1264	Influenza vaccination should have no border: cost-effectiveness of cross-border subsidy. BMC Public Health, 2021, 21, 1543.	1.2	3
1265	The risk of indoor sports and culture events for the transmission of COVID-19. Nature Communications, 2021, 12, 5096.	5.8	85
1266	Multi-agent system collision model to predict the transmission of seasonal influenza in Tokyo from 2014â€“2015 to 2018â€“2019 seasons. Heliyon, 2021, 7, e07859.	1.4	1
1270	Impact of essential workers in the context of social distancing for epidemic control. PLoS ONE, 2021, 16, e0255680.	1.1	13
1271	The interplay between vaccination and social distancing strategies affects COVID19 population-level outcomes. PLoS Computational Biology, 2021, 17, e1009319.	1.5	7
1273	Estimating HIV, HCV and HSV2 incidence from emergency department serosurvey. Gates Open Research, 0, 5, 116.	2.0	0
1276	Prediction of Past SARS-CoV-2 Infections: A Prospective Cohort Study Among Swiss Schoolchildren. Frontiers in Pediatrics, 2021, 9, 710785.	0.9	3
1277	Game-theoretic modeling of collective decision making during epidemics. Physical Review E, 2021, 104, 024314.	0.8	24
1278	What Could Explain the Lower COVID-19 Burden in Africa despite Considerable Circulation of the SARS-CoV-2 Virus?. International Journal of Environmental Research and Public Health, 2021, 18, 8638.	1.2	54
1279	Recent increase in pertussis incidence in Korea: an age-period-cohort analysis. Epidemiology and Health, 2021, 43, e2021053.	0.8	7

#	ARTICLE	IF	CITATIONS
1280	Using time-use diaries to track changing behavior across successive stages of COVID-19 social restrictions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
1281	Efficient Bayesian inference of fully stochastic epidemiological models with applications to COVID-19. Royal Society Open Science, 2021, 8, 211065.	1.1	3
1282	Contagion at work: Occupations, industries and human contact. Journal of Public Economics, 2021, 200, 104456.	2.2	3
1283	Trip duration drives shift in travel network structure with implications for the predictability of spatial disease spread. PLoS Computational Biology, 2021, 17, e1009127.	1.5	4
1284	The spreading of SARS-CoV-2: Interage contacts and networks degree distribution. PLoS ONE, 2021, 16, e0256036.	1.1	9
1286	COVID-19 Case Age Distribution: Correction for Differential Testing by Age. Annals of Internal Medicine, 2021, 174, 1430-1438.	2.0	19
1289	Estimating the impact of reopening schools on the reproduction number of SARS-CoV-2 in England, using weekly contact survey data. BMC Medicine, 2021, 19, 233.	2.3	24
1290	Using wearable proximity sensors to characterize social contact patterns in a village of rural Malawi. EPJ Data Science, 2021, 10, .	1.5	22
1291	Mathematical models for assessing vaccination scenarios in several provinces in Indonesia. Infectious Disease Modelling, 2021, 6, 1236-1258.	1.2	13
1292	From H. Russell Bernard, Peter Killworth, David Kronenfeld, and Lee Sailer, "The Problem of Informant Accuracy", 2021, , 163-173.		0
1293	Reflections on "The Focused Organization of Social Ties" and its Implications for Bonding and Bridging. , 2021, , 360-370.		2
1294	Three Decades of Research into Social Capital: Achievements, Blind Spots, and Future Directions. , 2021, , 308-322.		0
1295	From Robert Huckfeldt and John Sprague, "Networks in Context", 2021, , 471-476.		0
1296	From Harrison C. White, Identity and Control. , 2021, , 185-198.		0
1297	On Social Media. , 2021, , 718-733.		3
1299	On Movements. , 2021, , 696-717.		3
1300	Influencers, Backfire Effects, and the Power of the Periphery. , 2021, , 73-86.		6
1301	Association between tuberculosis in men and social network structure in Kampala, Uganda. BMC Infectious Diseases, 2021, 21, 1023.	1.3	7

#	ARTICLE	IF	CITATIONS
1302	Responsible travel to and within India during the COVID-19 pandemic. <i>Journal of Travel Medicine</i> , 2021, , .	1.4	2
1303	Evaluating the mitigation strategies of COVID-19 by the application of the CO2 emission data through high-resolution agent-based computational experiments. <i>Environmental Research</i> , 2022, 204, 112077.	3.7	5
1304	On Culture. , 2021, , 651-674.		0
1305	Individuals, Groups, and Networks: Implications for the Study and Practice of Democratic Politics. , 2021, , 477-488.		1
1306	Commentary on Bottâ€™s â€œFamily and Social Networkâ€™, 2021, , 118-134.		0
1307	From Mark S. Granovetter, â€œThe Strength of Weak Tiesâ€™, 2021, , 240-250.		0
1308	From Elihu Katz and Paul F. Lazarsfeld, Personal Influence. , 2021, , 60-72.		0
1309	Implications of Informant Accuracy Research for Ego Networks. , 2021, , 174-184.		0
1310	From Edward O. Laumann, Peter V. Marsden, and David Prensky, â€œThe Boundary Specification Problem in Network Analysisâ€™, 2021, , 417-430.		0
1311	On Cognition. , 2021, , 555-572.		0
1312	On Inequality. , 2021, , 630-650.		0
1313	Augmenting contact matrices with time-use data for fine-grained intervention modelling of disease dynamics: A modelling analysis. <i>Statistical Methods in Medical Research</i> , 2022, 31, 1704-1715.	0.7	4
1314	Analyzing the demographic, spatial, and temporal factors influencing social contact patterns in U.S. and implications for infectious disease spread. <i>BMC Infectious Diseases</i> , 2021, 21, 1009.	1.3	12
1315	SOCRATES-CoMix: a platform for timely and open-source contact mixing data during and in between COVID-19 surges and interventions in over 20 European countries. <i>BMC Medicine</i> , 2021, 19, 254.	2.3	45
1317	Applying a Probabilistic Infection Model for studying contagion processes in contact networks. <i>Journal of Computational Science</i> , 2021, 54, 101419.	1.5	4
1318	From Claude S. Fischer, <i>To Dwell among Friends</i>. , 2021, , 213-226.		2
1319	On Dynamics. , 2021, , 612-629.		3
1320	Social Capital: An Update. , 2021, , 504-518.		1

#	ARTICLE	IF	CITATIONS
1322	On the Boundary Specification Problem in Network Analysis: An Update and Extension to Personal Social Networks. , 2021, , 431-443.		4
1324	From the Northern California Community Study, 1977â€“1978, to the University of California, Berkeley, Social Networks Project, 2015â€“2020. , 2021, , 227-239.		0
1325	Establishing an SEIR-based framework for local modelling of COVID-19 infections, hospitalisations and deaths. Health Systems, 2021, 10, 337-347.	0.9	4
1326	Estimating the Impact of Statewide Policies to Reduce Spread of Severe Acute Respiratory Syndrome Coronavirus 2 in Real Time, Colorado, USA. Emerging Infectious Diseases, 2021, 27, 2312-2322.	2.0	11
1327	Using video-analysis technology to estimate social mixing and simulate influenza transmission at a mass gathering. Epidemics, 2021, 36, 100466.	1.5	5
1328	A geometric analysis of the SIRS epidemiological model on a homogeneous network. Journal of Mathematical Biology, 2021, 83, 37.	0.8	17
1329	Is Local Public Transport unsuitable for elderly? Exploring the cases of two Italian cities. Research in Transportation Business and Management, 2021, 40, 100643.	1.6	10
1330	From James S. Coleman, â€œSocial Capital in the Creation of Human Capitalâ€•, 2021, , 296-307.		0
1331	Festinger, Schachter, and Backâ€™s Social Pressures in Informal Groups. , 2021, , 151-162.		0
1332	On Trust. , 2021, , 596-611.		0
1333	From Bernice A. Pescosolido, â€œBeyond Rational Choiceâ€•, 2021, , 323-335.		0
1334	The Enormous Flock of Homophily Researchers: Assessing and Promoting a Research Agenda. , 2021, , 459-470.		3
1335	On J. Clyde Mitchellâ€™s â€œThe Concept and Use of Social Networksâ€•, 2021, , 98-111.		0
1337	On the General Social Survey. , 2021, , 519-552.		1
1338	A data-driven epidemic model with social structure for understanding the COVID-19 infection on a heavily affected Italian province. Mathematical Models and Methods in Applied Sciences, 2021, 31, 2533-2570.	1.7	15
1339	Possible future waves of SARS-CoV-2 infection generated by variants of concern with a range of characteristics. Nature Communications, 2021, 12, 5730.	5.8	90
1340	Assessment of effective mitigation and prediction of the spread of SARS-CoV-2 in Germany using demographic information and spatial resolution. Mathematical Biosciences, 2021, 339, 108648.	0.9	20
1341	Age-stratified transmission model of COVID-19 in Ontario with human mobility during pandemic's first wave. Heliyon, 2021, 7, e07905.	1.4	13

#	ARTICLE	IF	CITATIONS
1342	“Hot-spotting” to improve vaccine allocation by harnessing digital contact tracing technology: An application of percolation theory. PLoS ONE, 2021, 16, e0256889.	1.1	1
1343	Using social contact data to improve the overall effect estimate of a cluster-randomized influenza vaccination program in Senegal. Journal of the Royal Statistical Society Series C: Applied Statistics, 0, , .	0.5	0
1344	The Epidemiological and Economic Impact of a Cell-Based Quadrivalent Influenza Vaccine in Adults in the US: A Dynamic Modeling Approach. Vaccines, 2021, 9, 1095.	2.1	6
1345	Model-driven mitigation measures for reopening schools during the COVID-19 pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	37
1347	Impact of COVID-19 social distancing measures on future incidence of invasive pneumococcal disease in England and Wales: a mathematical modelling study. BMJ Open, 2021, 11, e045380.	0.8	15
1348	On Parachutes and Lion-Taming. , 2021, , 199-210.		0
1349	From Elizabeth Bott, “Urban Families: Conjugal Roles and Social Networks”, 2021, , 112-117.		0
1350	<i>Structural Holes</i> Capstone, Cautions, and Enthusiasms. , 2021, , 384-416.		12
1351	From Nan Lin, “Building a Network Theory of Social Capital”, 2021, , 489-503.		0
1352	Georg Simmel’s Contribution to Social Network Research. , 2021, , 44-59.		3
1353	From Scott L. Feld, “The Focused Organization of Social Ties”, 2021, , 350-359.		0
1354	Strength of Weak Ties in the Labor Market: An Assessment of the State of Research. , 2021, , 251-264.		3
1355	More than 10 years after introduction of an acellular pertussis vaccine in infancy: a cross-sectional serosurvey of pertussis in the Netherlands. Lancet Regional Health - Europe, The, 2021, 10, 100196.	3.0	7
1356	Social contact patterns among employees in 3 U.S. companies during early phases of the COVID-19 pandemic, April to June 2020. Epidemics, 2021, 36, 100481.	1.5	17
1357	A Network Pilgrim’s Progress: Twenty-Six Realizations in Fifty-Five Years. , 2021, , 282-295.		1
1358	On Migration. , 2021, , 675-695.		1
1359	From Georg Simmel, “On the Significance of Numbers for Social Life: Introduction,” “The Isolated Individual and the Dyad,” “The Triad,” and “The Web of Group Affiliations”, 2021, , 29-43.		0
1360	From Miller McPherson, Lynn Smith-Lovin, and James M. Cook, “Birds of a Feather”, 2021, , 444-458.		1

#	ARTICLE	IF	CITATIONS
1361	From J. Clyde Mitchell, "The Concept and Use of Social Networks", 2021, , 87-97.		0
1362	From Leon Festinger, Stanley Schachter, and Kurt Back, Social Pressures in Informal Groups. , 2021, , 135-150.		1
1363	From Ronald S. Burt, Structural Holes. , 2021, , 371-383.		0
1364	Confronting How People Cope with Crisis: From the Social Organization Strategy Framework to the Network Episode Model to the Network Embedded Symbiome. , 2021, , 336-349.		2
1365	From Barry Wellman and Scot Wortley, "Different Strokes from Different Folks", 2021, , 265-281.		0
1366	On Mobilization. , 2021, , 573-595.		3
1367	Effect of population heterogeneity on herd immunity and on vaccination decision making process. Journal of Theoretical Biology, 2021, 526, 110795.	0.8	3
1368	Severe Acute Respiratory Syndrome Coronavirus 2 Transmission in Georgia, USA, February 1"July 13, 2020. Emerging Infectious Diseases, 2021, 27, 2578-2587.	2.0	7
1369	Social and health factors associated with unfavourable treatment outcome in adolescents and young adults with tuberculosis in Brazil: a national retrospective cohort study. The Lancet Global Health, 2021, 9, e1380-e1390.	2.9	23
1370	Construction of an evacuee placement model for tsunami shelters considering physical distancing to prevent COVID-19 infection. Progress in Disaster Science, 2021, 11, 100183.	1.4	5
1371	Why we may need to rethink future SARS-CoV-2 vaccination strategies. Lancet Regional Health - Europe, The, 2021, 10, 100214.	3.0	2
1372	A data-driven model for COVID-19 pandemic " Evolution of the attack rate and prognosis for Brazil. Chaos, Solitons and Fractals, 2021, 152, 111359.	2.5	11
1373	Transmission risks of respiratory infectious diseases in various confined spaces: A meta-analysis for future pandemics. Environmental Research, 2021, 202, 111679.	3.7	8
1374	Network models to evaluate vaccine strategies towards herd immunity in COVID-19. Journal of Theoretical Biology, 2021, 531, 110894.	0.8	32
1375	An interaction-oriented multi-agent SIR model to assess the spread of SARS-CoV-2. , 2021, 50, 1548-1559.	0.3	2
1376	Impacts of K-12 school reopening on the COVID-19 epidemic in Indiana, USA. Epidemics, 2021, 37, 100487.	1.5	19
1377	University students and staff able to maintain low daily contact numbers during various COVID-19 guideline periods. Epidemiology and Infection, 2021, 149, .	1.0	1
1379	Cost-effectiveness of maternal pertussis immunization: Implications of a dynamic transmission model for low- and middle-income countries. Vaccine, 2021, 39, 147-157.	1.7	6

#	ARTICLE	IF	CITATIONS
1380	Modeling the cost-effectiveness of maternal acellular pertussis immunization (aP) in different socioeconomic settings: A dynamic transmission model of pertussis in three Brazilian states. <i>Vaccine</i> , 2021, 39, 125-136.	1.7	6
1385	Changing Disparities in Coronavirus Disease 2019 (COVID-19) Burden in the Ethnically Homogeneous Population of Hong Kong Through Pandemic Waves: An Observational Study. <i>Clinical Infectious Diseases</i> , 2021, 73, 2298-2305.	2.9	16
1386	JUE Insight: The geographic spread of COVID-19 correlates with the structure of social networks as measured by Facebook. <i>Journal of Urban Economics</i> , 2022, 127, 103314.	2.4	84
1387	Multi-generational SIR modeling: Determination of parameters, epidemiological forecasting and age-dependent vaccination policies. <i>Infectious Disease Modelling</i> , 2021, 6, 751-765.	1.2	19
1388	Retrospective analysis of the Italian exit strategy from COVID-19 lockdown. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	72
1390	Pandemic Influenza Simulation with Public Avoidance Behavior. , 2012, , 181-201.		1
1391	Models with Heterogeneous Mixing. <i>Texts in Applied Mathematics</i> , 2019, , 179-227.	0.4	2
1392	Artificial Intelligence Applications in Tracking Health Behaviors During Disease Epidemics. <i>Learning and Analytics in Intelligent Systems</i> , 2020, , 141-155.	0.5	26
1393	Face-to-Face Interactions. , 2015, , 37-57.		11
1395	Impact assessment of containment measure against COVID-19 spread in Morocco. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110231.	2.5	13
1396	Exploring the effectiveness of a COVID-19 contact tracing app using an agent-based model. <i>Scientific Reports</i> , 2020, 10, 22235.	1.6	72
1397	COVID-19 pandemic control: balancing detection policy and lockdown intervention under ICU sustainability. <i>Mathematical Modelling of Natural Phenomena</i> , 2020, 15, 57.	0.9	35
1398	Heterogeneity in social and epidemiological factors determines the risk of measles outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30118-30125.	3.3	14
1399	Similarity in functional brain connectivity at rest predicts interpersonal closeness in the social network of an entire village. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33149-33160.	3.3	34
1400	Improving the evidence base for decision making during a pandemic: the example of 2009 influenza A/H1N1. <i>Biosecurity and Bioterrorism</i> , 2011, 9, 89-115.	1.2	97
1401	Excess Risk of Tuberculosis Infection Among Extra-household Contacts of Tuberculosis Cases in an African City. <i>Clinical Infectious Diseases</i> , 2021, 73, e3438-e3445.	2.9	9
1402	Waning of Measured Influenza Vaccine Effectiveness Over Time: The Potential Contribution of Leaky Vaccine Effect. <i>Clinical Infectious Diseases</i> , 2020, 71, e633-e641.	2.9	12
1535	REACT. SIGSPATIAL Special, 2020, 12, 3-14.	2.5	16

#	ARTICLE	IF	CITATIONS
1536	Quantifying the role of social distancing, personal protection and case detection in mitigating COVID-19 outbreak in Ontario, Canada. <i>Journal of Mathematics in Industry</i> , 2020, 10, 15.	0.7	51
1537	Quantifying the shift in social contact patterns in response to non-pharmaceutical interventions. <i>Journal of Mathematics in Industry</i> , 2020, 10, 28.	0.7	16
1538	Surveillance of respiratory viruses in the outpatient setting in rural coastal Kenya: baseline epidemiological observations. <i>Wellcome Open Research</i> , 2018, 3, 89.	0.9	36
1539	Infant contact in day-care centres in Vietnam: A cross-sectional study to understand infant infection risk. <i>Wellcome Open Research</i> , 2019, 4, 75.	0.9	5
1540	Study design and protocol for investigating social network patterns in rural and urban schools and households in a coastal setting in Kenya using wearable proximity sensors. <i>Wellcome Open Research</i> , 2019, 4, 84.	0.9	4
1541	Study design and protocol for investigating social network patterns in rural and urban schools and households in a coastal setting in Kenya using wearable proximity sensors. <i>Wellcome Open Research</i> , 2019, 4, 84.	0.9	6
1542	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. <i>Wellcome Open Research</i> , 2020, 5, 288.	0.9	4
1543	Mandated and Voluntary Social Distancing during the COVID-19 Epidemic. <i>Brookings Papers on Economic Activity</i> , 2020, 2020, 269-326.	0.8	32
1544	Adaptive vaccination strategies to mitigate pandemic influenza Mexico as a case study. <i>PLOS Currents</i> , 2009, 1, RRN1004.	1.4	7
1545	The Shifting Demographic Landscape of Influenza. <i>PLOS Currents</i> , 2009, 1, RRN1047.	1.4	6
1546	Can Reactive School Closures help critical care provision during the current influenza pandemic?. <i>PLOS Currents</i> , 2009, 1, RRN1119.	1.4	8
1547	Quantifying the transmissibility of human influenza and its seasonal variation in temperate regions. <i>PLOS Currents</i> , 2009, 1, RRN1125.	1.4	27
1548	Optimizing allocation for a delayed influenza vaccination campaign. <i>PLOS Currents</i> , 2009, 1, RRN1134.	1.4	38
1549	Studies needed to address public health challenges of the 2009 H1N1 influenza pandemic: insights from modeling. <i>PLOS Currents</i> , 2009, 1, RRN1135.	1.4	4
1550	Seasonal Influenza Vaccine Allocation in the Canadian Population during a Pandemic. <i>PLOS Currents</i> , 2009, 1, RRN1143.	1.4	7
1551	Optimal Pandemic Influenza Vaccine Allocation Strategies for the Canadian Population. <i>PLOS Currents</i> , 2010, 2, RRN1144.	1.4	9
1552	Seroprevalence Following the Second Wave of Pandemic 2009 H1N1 Influenza. <i>PLOS Currents</i> , 2010, 2, RRN1148.	1.4	59
1553	Model-Based Comprehensive Analysis of School Closure Policies for Mitigating Influenza Epidemics and Pandemics. <i>PLoS Computational Biology</i> , 2016, 12, e1004681.	1.5	39

#	ARTICLE	IF	CITATIONS
1554	How to Estimate Epidemic Risk from Incomplete Contact Diaries Data?. PLoS Computational Biology, 2016, 12, e1005002.	1.5	12
1555	fluEvidenceSynthesis: An R package for evidence synthesis based analysis of epidemiological outbreaks. PLoS Computational Biology, 2017, 13, e1005838.	1.5	17
1556	A model-based evaluation of the efficacy of COVID-19 social distancing, testing and hospital triage policies. PLoS Computational Biology, 2020, 16, e1008388.	1.5	22
1557	Contact Profiles in Eight European Countries and Implications for Modelling the Spread of Airborne Infectious Diseases. PLoS ONE, 2009, 4, e5931.	1.1	52
1558	The Shifting Demographic Landscape of Pandemic Influenza. PLoS ONE, 2010, 5, e9360.	1.1	76
1559	Optimal Pandemic Influenza Vaccine Allocation Strategies for the Canadian Population. PLoS ONE, 2010, 5, e10520.	1.1	84
1560	Rapid Emergence of Free-Riding Behavior in New Pediatric Immunization Programs. PLoS ONE, 2010, 5, e12594.	1.1	27
1561	Social Contact Patterns in Vietnam and Implications for the Control of Infectious Diseases. PLoS ONE, 2011, 6, e16965.	1.1	135
1562	Close Encounters in a Pediatric Ward: Measuring Face-to-Face Proximity and Mixing Patterns with Wearable Sensors. PLoS ONE, 2011, 6, e17144.	1.1	193
1563	High-Resolution Measurements of Face-to-Face Contact Patterns in a Primary School. PLoS ONE, 2011, 6, e23176.	1.1	552
1564	7-Valent Pneumococcal Conjugate Vaccination in England and Wales: Is It Still Beneficial Despite High Levels of Serotype Replacement?. PLoS ONE, 2011, 6, e26190.	1.1	52
1565	Health System Resource Gaps and Associated Mortality from Pandemic Influenza across Six Asian Territories. PLoS ONE, 2012, 7, e31800.	1.1	25
1566	Head Lice in Norwegian Households: Actions Taken, Costs and Knowledge. PLoS ONE, 2012, 7, e32686.	1.1	19
1567	The Spread of Influenza A(H1N1)pdm09 Virus in Madagascar Described by a Sentinel Surveillance Network. PLoS ONE, 2012, 7, e37067.	1.1	11
1568	Mathematical Modelling Long-Term Effects of Replacing Prevnar7 with Prevnar13 on Invasive Pneumococcal Diseases in England and Wales. PLoS ONE, 2012, 7, e39927.	1.1	41
1569	Understanding Reduced Rotavirus Vaccine Efficacy in Low Socio-Economic Settings. PLoS ONE, 2012, 7, e41720.	1.1	115
1570	Direct and Indirect Effects of Rotavirus Vaccination: Comparing Predictions from Transmission Dynamic Models. PLoS ONE, 2012, 7, e42320.	1.1	60
1571	Linking Influenza Virus Tissue Tropism to Population-Level Reproductive Fitness. PLoS ONE, 2012, 7, e43115.	1.1	38

#	ARTICLE	IF	CITATIONS
1572	Representative Contact Diaries for Modeling the Spread of Infectious Diseases in Taiwan. PLoS ONE, 2012, 7, e45113.	1.1	56
1573	Head Lice Surveillance on a Deregulated OTC-Sales Market: A Study Using Web Query Data. PLoS ONE, 2012, 7, e48666.	1.1	9
1574	Comparison of Age-Stratified Seroprevalence of Antibodies against Norovirus GII in India and the United Kingdom. PLoS ONE, 2013, 8, e56239.	1.1	19
1575	A Lattice Model for Influenza Spreading. PLoS ONE, 2013, 8, e63935.	1.1	18
1576	Identifying the Relative Priorities of Subpopulations for Containing Infectious Disease Spread. PLoS ONE, 2013, 8, e65271.	1.1	29
1577	Cost-Effectiveness of Tdap Vaccination of Adults Aged ≥65 Years in the Prevention of Pertussis in the US: A Dynamic Model of Disease Transmission. PLoS ONE, 2014, 9, e72723.	1.1	26
1578	Lattice Model for Influenza Spreading with Spontaneous Behavioral Changes. PLoS ONE, 2013, 8, e83641.	1.1	12
1579	Estimation of the Underlying Burden of Pertussis in Adolescents and Adults in Southern Ontario, Canada. PLoS ONE, 2013, 8, e83850.	1.1	20
1580	Online Respondent-Driven Sampling for Studying Contact Patterns Relevant for the Spread of Close-Contact Pathogens: A Pilot Study in Thailand. PLoS ONE, 2014, 9, e85256.	1.1	32
1581	Estimating the Risk of Parvovirus B19 Infection in Blood Donors and Pregnant Women in Japan. PLoS ONE, 2014, 9, e92519.	1.1	13
1582	The Effects of School Closures on Influenza Outbreaks and Pandemics: Systematic Review of Simulation Studies. PLoS ONE, 2014, 9, e97297.	1.1	137
1583	Determinants of Receiving the Pandemic (H1N1) 2009 Vaccine and Intention to Receive the Seasonal Influenza Vaccine in Taiwan. PLoS ONE, 2014, 9, e101083.	1.1	16
1584	Household Crowding, Social Mixing Patterns and Respiratory Symptoms in Seven Countries of the African Meningitis Belt. PLoS ONE, 2014, 9, e101129.	1.1	18
1585	Contact Patterns among High School Students. PLoS ONE, 2014, 9, e107878.	1.1	209
1586	Schools Out: Seasonal Variation in the Movement Patterns of School Children. PLoS ONE, 2015, 10, e0128070.	1.1	18
1587	The French Connection: The First Large Population-Based Contact Survey in France Relevant for the Spread of Infectious Diseases. PLoS ONE, 2015, 10, e0133203.	1.1	165
1588	Vaccine Induced Herd Immunity for Control of Respiratory Syncytial Virus Disease in a Low-Income Country Setting. PLoS ONE, 2015, 10, e0138018.	1.1	49
1589	Multiple Lattice Model for Influenza Spreading. PLoS ONE, 2015, 10, e0141065.	1.1	10

#	ARTICLE	IF	CITATIONS
1590	Using Seroprevalence and Immunisation Coverage Data to Estimate the Global Burden of Congenital Rubella Syndrome, 1996-2010: A Systematic Review. PLoS ONE, 2016, 11, e0149160.	1.1	170
1591	Twin Peaks: A/H1N1 Pandemic Influenza Virus Infection and Vaccination in Norway, 2009–2010. PLoS ONE, 2016, 11, e0151575.	1.1	11
1592	Efficient Vaccine Distribution Based on a Hybrid Compartmental Model. PLoS ONE, 2016, 11, e0155416.	1.1	11
1593	Spotting Epidemic Keystones by R0 Sensitivity Analysis: High-Risk Stations in the Tokyo Metropolitan Area. PLoS ONE, 2016, 11, e0162406.	1.1	4
1594	Building Ventilation as an Effective Disease Intervention Strategy in a Dense Indoor Contact Network in an Ideal City. PLoS ONE, 2016, 11, e0162481.	1.1	38
1595	Social Contact Structures and Time Use Patterns in the Manicaland Province of Zimbabwe. PLoS ONE, 2017, 12, e0170459.	1.1	84
1596	Social mixing in Fiji: Who-eats-with-whom contact patterns and the implications of age and ethnic heterogeneity for disease dynamics in the Pacific Islands. PLoS ONE, 2017, 12, e0186911.	1.1	8
1597	From trivalent to quadrivalent influenza vaccines: Public health and economic burden for different immunization strategies in Spain. PLoS ONE, 2020, 15, e0233526.	1.1	14
1598	Tracing day-zero and forecasting the COVID-19 outbreak in Lombardy, Italy: A compartmental modelling and numerical optimization approach. PLoS ONE, 2020, 15, e0240649.	1.1	52
1599	Estimating individual risks of COVID-19-associated hospitalization and death using publicly available data. PLoS ONE, 2020, 15, e0243026.	1.1	13
1600	Modelling scenarios of the epidemic of COVID-19 in Canada. Canada Communicable Disease Report, 2020, 46, 198-204.	0.6	39
1601	The epidemic wave of influenza A (H1N1) in Brazil, 2009. Cadernos De Saude Publica, 2012, 28, 1325-1336.	0.4	9
1603	Synthetic Population Dynamics: A Model of Household Demography. Jasss, 2013, 16, .	1.0	48
1604	Halting SARS-CoV-2 by Targeting High-Contact Individuals. Jasss, 2020, 23, .	1.0	15
1607	The Socio-Economic Determinants of the Coronavirus Disease (COVID-19) Pandemic. SSRN Electronic Journal, 0, , .	0.4	25
1608	Restarting the Economy While Saving Lives Under COVID-19. SSRN Electronic Journal, 0, , .	0.4	69
1609	Allocation of COVID-19 Vaccines Under Limited Supply. SSRN Electronic Journal, 0, , .	0.4	19
1610	A New Era of Epidemiology: Digital Epidemiology for Investigating the COVID-19 Outbreak in China. Journal of Medical Internet Research, 2020, 22, e21685.	2.1	5

#	ARTICLE	IF	CITATIONS
1612	Enhanced <i>Bordetella pertussis</i> acquisition rate in adolescents during the 2012 epidemic in the Netherlands and evidence for prolonged antibody persistence after infection. <i>Eurosurveillance</i> , 2017, 22, .	3.9	20
1613	Cost-effectiveness of measles control during elimination in Ontario, Canada, 2015. <i>Eurosurveillance</i> , 2019, 24, .	3.9	3
1614	Children under 10 years of age were more affected by the 2018/19 influenza A(H1N1)pdm09 epidemic in Canada: a possible cohort effect following the 2009 influenza pandemic. <i>Eurosurveillance</i> , 2019, 24, .	3.9	9
1615	Intense interseasonal influenza outbreaks, Australia, 2018/19. <i>Eurosurveillance</i> , 2019, 24, .	3.9	27
1616	Potential short-term outcome of an uncontrolled COVID-19 epidemic in Lombardy, Italy, February to March 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	47
1617	Temporal rise in the proportion of younger adults and older adolescents among coronavirus disease (COVID-19) cases following the introduction of physical distancing measures, Germany, March to April 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	39
1618	Prevalence of antibodies against influenza A and B viruses in children in Germany, 2008 to 2010. <i>Eurosurveillance</i> , 2014, 19, .	3.9	43
1619	Assessing the risk of measles resurgence in a highly vaccinated population: Belgium anno 2013. <i>Eurosurveillance</i> , 2015, 20, .	3.9	25
1620	Mortality of 2009 pandemic influenza A(H1N1) in Germany. <i>Eurosurveillance</i> , 2010, 15, .	3.9	71
1621	Minnesota Social Contacts and Mixing Patterns Survey with Implications for Modelling of Infectious Disease Transmission and Control. <i>Survey Practice</i> , 2020, 13, 1-12.	0.9	9
1622	Epidemiological Measures in the Context of the COVID-19 Pandemic. <i>Deutsches A&#x0308;rztblatt International</i> , 2020, 117, 336-342.	0.6	26
1623	Assessment of baseline age-specific antibody prevalence and incidence of infection to novel influenza AH1N1 2009. <i>Health Technology Assessment</i> , 2010, 14, 115-92.	1.3	97
1624	Real-time modelling of a pandemic influenza outbreak. <i>Health Technology Assessment</i> , 2017, 21, 1-118.	1.3	7
1627	COVID-19 Intervention Scenarios for a Long-term Disease Management. <i>International Journal of Health Policy and Management</i> , 2020, 9, 508-516.	0.5	21
1628	Estimating COVID-19-Related Infections, Deaths, and Hospitalizations in Iran Under Different Physical Distancing and Isolation Scenarios. <i>International Journal of Health Policy and Management</i> , 2020, , .	0.5	14
1629	YAYsim: SalgÄ±n Modelleme ve Karar Destek Sistemi. <i>Bilecik Åžeyh Edebalı Åœniversitesi Fen Bilimleri Dergisi</i> , 2020, 7, 104-112.	0.1	4
1630	Increased fertility in an aging society will affect the spread of infectious diseases : a case study in Miyazaki Prefecture. [<i>Minzoku Eisei</i>] <i>Race Hygiene</i> , 2014, 80, 17-22.	0.0	1
1632	Computation of R in age-structured epidemiological models with maternal and temporary immunity. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 21, 399-415.	0.5	6

#	ARTICLE	IF	CITATIONS
1633	Pandemic influenza: Modelling and public health perspectives. <i>Mathematical Biosciences and Engineering</i> , 2011, 8, 1-20.	1.0	26
1634	Prioritization of delayed vaccination for pandemic influenza. <i>Mathematical Biosciences and Engineering</i> , 2011, 8, 95-112.	1.0	11
1635	The impact of school closures on pandemic influenza: Assessing potential repercussions using a seasonal SIR model. <i>Mathematical Biosciences and Engineering</i> , 2012, 9, 413-430.	1.0	7
1636	Transmission dynamics of acute respiratory diseases in a population structured by age. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 7477-7493.	1.0	10
1637	Development of a Social Contact Survey Instrument Relevant to the Spread of Infectious Disease and Its Application in a Pilot Study Among Korean Adults. <i>Journal of Preventive Medicine and Public Health</i> , 2020, 53, 106-116.	0.7	2
1638	Socio-Economic and Psychological Impacts of Covid-19: A Case Study of Quarantined Village Ziarat Talash in Dir Lower, Pakistan. <i>Liberal Arts and Social Sciences International Journal (lassij)</i> , 2020, 4, 1-10.	0.1	5
1639	Disease Control in Age Structure Population. <i>ISRN Epidemiology</i> , 2013, 2013, 1-8.	0.6	2
1640	Parental vaccination to reduce measles immunity gaps in Italy. <i>ELife</i> , 2019, 8, .	2.8	8
1641	Reducing respiratory syncytial virus (RSV) hospitalization in a lower-income country by vaccinating mothers-to-be and their households. <i>ELife</i> , 2020, 9, .	2.8	13
1642	Indigenous Australian household structure: a simple data collection tool and implications for close contact transmission of communicable diseases. <i>PeerJ</i> , 2017, 5, e3958.	0.9	33
1643	Optimizing influenza vaccine policies for controlling 2009-like pandemics and regular outbreaks. <i>PeerJ</i> , 2019, 7, e6340.	0.9	5
1644	Data-Driven Simulation of Contagions in Public Venues. , 2021, , .		1
1646	Differences in social activity increase efficiency of contact tracing. <i>European Physical Journal B</i> , 2021, 94, 209.	0.6	4
1647	Individual social contact data and population mobility data as early markers of SARS-CoV-2 transmission dynamics during the first wave in Germany—an analysis based on the COVIMOD study. <i>BMC Medicine</i> , 2021, 19, 271.	2.3	30
1648	The Impact of Contact Structure and Mixing on Control Measures and Disease-Induced Herd Immunity in Epidemic Models: A Mean-Field Model Perspective. <i>Bulletin of Mathematical Biology</i> , 2021, 83, 117.	0.9	8
1649	Nationwide rollout reveals efficacy of epidemic control through digital contact tracing. <i>Nature Communications</i> , 2021, 12, 5918.	5.8	17
1650	Mycelium. , 2021, , .		5
1652	Cross-sectional telephone surveys as a tool to study epidemiological factors and monitor seasonal influenza activity in Malta. <i>BMC Public Health</i> , 2021, 21, 1828.	1.2	2

#	ARTICLE	IF	CITATIONS
1656	Increased urbanization reduced the effectiveness of school closures on seasonal influenza epidemics in China. <i>Infectious Diseases of Poverty</i> , 2021, 10, 127.	1.5	9
1657	Differential impact of physical distancing strategies on social contacts relevant for the spread of SARS-CoV-2: evidence from a cross-national online survey, March-April 2020. <i>BMJ Open</i> , 2021, 11, e050651.	0.8	19
1660	Physical Spacing and Social Interaction Before the Global Pandemic. <i>Spatial Demography</i> , 2022, 10, 107-116.	0.4	2
1661	Assessing the effects of non-pharmaceutical interventions on SARS-CoV-2 transmission in Belgium by means of an extended SEIQRD model and public mobility data. <i>Epidemics</i> , 2021, 37, 100505.	1.5	20
1663	A Network Approach to Understanding Pathogen Population Structure. , 2010, , 167-185.		1
1664	Mathematical models in infectious disease epidemiology. , 2010, , 70-75.		4
1665	Modelling Emerging Viral Epidemics for Public Health Protection. <i>Methods in Molecular Biology</i> , 2010, 665, 435-465.	0.4	0
1667	Modeling in Immunization and Biosurveillance Research. <i>Integrated Series on Information Systems</i> , 2011, , 259-278.	0.1	0
1668	Policy Response to Pandemic Influenza: The Value of Collective Action. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1669	Improving Agent Based Models and Validation through Data Fusion. <i>Online Journal of Public Health Informatics</i> , 2011, 3, .	0.4	1
1670	Stochastic individual-based modelling of influenza spread for the assessment of public health interventions. , 0, , .		0
1671	Seroprevalence study in Vojvodina (Serbia) following 2009 pandemic influenza A(H1N1)v. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2012, 140, 751-755.	0.1	0
1674	Viral Dynamics and Mathematical Models. , 2014, , 81-96.		0
1675	Behavioral Changes and Adaptation Induced by Epidemics. , 2015, , 155-175.		0
1676	Rescuing Public Health Data. , 2015, , 171-190.		0
1677	Deriving Pandemic Disease Mitigation Strategies by Mining Social Contact Networks. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015, , 359-381.	0.1	0
1678	Rumors with Personality: A Differential and Agent-Based, <i>Angek. SIAM Undergraduate Research Online</i> , 0, 9, .	0.2	1
1685	Direct and Indirect Protection with Pediatric Quadrivalent Live-Attenuated Influenza Vaccination in Europe Estimated by a Dynamic Transmission Model. <i>Journal of Health Economics and Outcomes Research</i> , 2017, 5, 89-108.	0.6	0

#	ARTICLE	IF	CITATIONS
1686	Translation of the UK Pediatric Influenza Vaccination Programme in Primary Schools to 13 European Countries Using a Dynamic Transmission Model. <i>Journal of Health Economics and Outcomes Research</i> , 2017, 5, 109-124.	0.6	0
1690	SimFI: A Transmission Agent-Based Model of Two Interacting Pathogens. <i>Lecture Notes in Computer Science</i> , 2018, , 72-83.	1.0	1
1694	Influence of Temporal Aspects and Age-Correlations on the Process of Opinion Formation Based on Polish Contact Survey. <i>Lecture Notes in Computer Science</i> , 2018, , 118-128.	1.0	0
1701	Risk of Mycobacterium tuberculosis transmission in an antiretroviral therapy clinic. <i>Aids</i> , 2018, 32, 2417-2421.	1.0	6
1703	Mixing in Meta-Population Models. <i>Mathematics of Planet Earth</i> , 2019, , 99-126.	0.1	1
1704	Application of Big Data in Digital Epidemiology. <i>Advances in Healthcare Information Systems and Administration Book Series</i> , 2019, , 285-305.	0.2	0
1705	Parameterizing a dynamic influenza model using longitudinal versus age-stratified case notifications yields different predictions of vaccine impacts. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 3753-3770.	1.0	2
1706	Déterminants psychosociaux de la durée annuelle de présence au travail. <i>Revue Economique</i> , 2019, Vol. 70, 787-817.	0.1	1
1707	Stratification-Oriented Analysis of Community Structure in Networks of Face-to-Face Proximity. <i>Lecture Notes in Computer Science</i> , 2019, , 28-43.	1.0	0
1709	Infant contact in day-care centres in Vietnam: A cross-sectional study to understand infant infection risk. <i>Wellcome Open Research</i> , 2019, 4, 75.	0.9	3
1711	Modeling outbreak data: Analysis of a 2012 Ebola virus disease epidemic in DRC. <i>Biomath</i> , 2019, 8, 1910037.	0.3	1
1712	Wirkmechanismen in sozialen Netzwerken. , 2020, , 65-86.		2
1715	Learning Epidemiology by Doing: The Empirical Implications of a Spatial Sir Model with Behavioral Responses. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
1732	Future scenarios for the SARS-CoV-2 epidemic in Switzerland: an age-structured model. <i>F1000Research</i> , 2020, 9, 646.	0.8	0
1733	Impact of seasonal influenza on polyclinic attendances for upper respiratory tract infections in Singapore. <i>Western Pacific Surveillance and Response Journal: WPSAR</i> , 2020, 11, 27-36.	0.3	2
1735	Treatment of erythrasma: A double-blinded randomized controlled trial on the clinical application of clotrimazole and sertaconazole. <i>Journal of Research in Clinical Medicine</i> , 2020, 8, 32-32.	0.3	0
1738	Lives saved and hospitalizations averted by COVID-19 vaccination in New York City: a modeling study. <i>The Lancet Regional Health Americas</i> , 2022, 5, 100085.	1.5	30
1739	Nowcasting of COVID-19 Confirmed Cases: Foundations, Trends, and Challenges. <i>Studies in Systems, Decision and Control</i> , 2022, , 1023-1064.	0.8	9

#	ARTICLE	IF	CITATIONS
1740	L'Éducation en Afrique Subsaharienne francophone dans un contexte de COVID-19 (Education in Tj ETQq0 0,0 rgBT /Ovlock 10	0,4	0
1741	Human agency and infection rates: Implications for social distancing during epidemics. PLoS ONE, 2020, 15, e0243699.	1.1	1
1743	Inference of Naturally Acquired Immunity Using a Self-matched Negative-Control Design. Epidemiology, 2021, 32, 168-178.	1.2	1
1745	Anomalous Transport of Infectious Diseases in Structured Populations. , 2020, , .		0
1753	Application of Big Data in Digital Epidemiology. , 2022, , 958-978.		0
1754	Computational Modeling in a Nutshell. Health Information Science, 2020, , 15-32.	0.3	0
1755	Health versus Wealth: On the Distributional Effects of Controlling a Pandemic. SSRN Electronic Journal, 0, , .	0.4	1
1756	Pandemic Risks and Equilibrium Social Distancing in Heterogeneous Networks. SSRN Electronic Journal, 0, , .	0.4	4
1757	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	1
1758	The Interplay Between Voluntary Vaccination and Reduction of Risky Behavior: A General Behavior-Implicit SIR Model for Vaccine Preventable Infections. SEMA SIMAI Springer Series, 2020, , 185-203.	0.4	3
1759	Age-Period-Cohort Analysis of Influenza in Korean: the National Health Insurance Research Database, 2009â€“2018. Journal of Korean Medical Science, 2020, 35, e121.	1.1	7
1760	A Probabilistic Infection Model for Efficient Trace-Prediction of Disease Outbreaks in Contact Networks. Lecture Notes in Computer Science, 2020, , 676-689.	1.0	0
1761	Testing for COVID-19: Willful Ignorance or Selfless Behavior?. SSRN Electronic Journal, 0, , .	0.4	4
1762	Between Geography and Demography:Key Interdependencies and Exit Mechanisms for Covid-19. SSRN Electronic Journal, 0, , .	0.4	1
1763	The Macroeconomic Determinants of COVID19 Mortality Rate and the Role of Post Subprime Crisis Decisions. SSRN Electronic Journal, 0, , .	0.4	3
1764	The Social Antagonist Hypothesis: COVID-19 Case Growth Speed Increases With Number of Social Contacts with People Over 65 Years Old, but Decreases with Contact with Others. Evidence Against 'Senior Hours'.. SSRN Electronic Journal, 0, , .	0.4	0
1770	A Review of COVID-19 Modelling Strategies in Three Countries to Develop a Research Framework for Regional Areas. Viruses, 2021, 13, 2185.	1.5	7
1772	A cluster-based model of COVID-19 transmission dynamics. Chaos, 2021, 31, 113106.	1.0	0

#	ARTICLE	IF	CITATIONS
1773	Individuals' daily behaviour and intergenerational mixing in different social contexts of Kenya. Scientific Reports, 2021, 11, 21589.	1.6	6
1774	Inferring the effect of interventions on COVID-19 transmission networks. Scientific Reports, 2021, 11, 21913.	1.6	5
1775	Country differences in transmissibility, age distribution and case-fatality of SARS-CoV-2: a global ecological analysis. International Journal of Infectious Diseases, 2022, 114, 210-218.	1.5	11
1777	Quantifying contact patterns in response to COVID-19 public health measures in Canada. BMC Public Health, 2021, 21, 2040.	1.2	12
1780	Access and adherence to tuberculosis prevention and care for hard-to-reach groups. , 0, , 291-307.		0
1781	Epidemiological impact and cost-effectiveness of universal meningitis b vaccination among college students prior to college entry. PLoS ONE, 2020, 15, e0239926.	1.1	7
1788	Projecting influenza vaccine effectiveness: A simulation study. PLoS ONE, 2020, 15, e0241549.	1.1	2
1792	The Avon Longitudinal Study of Parents and Children - A resource for COVID-19 research: Generation 2 questionnaire data capture May-July 2020. Wellcome Open Research, 2020, 5, 278.	0.9	2
1793	Prospective Diary Survey of Preschool Children's Social Contact Patterns: A Pilot Study. Child Health Nursing Research, 2020, 26, 393-401.	0.3	1
1796	Hungary in Mask/MASZK in Hungary. Corvinus Journal of Sociology and Social Policy, 2020, , 139-146.	0.2	4
1797	Prevalence and Risk Factors for <i>Mycobacterium tuberculosis</i> Infection Among Adolescents in Rural South Africa. Open Forum Infectious Diseases, 2021, 8, ofaa520.	0.4	7
1801	A Network-Based Compartmental Model For The Spread Of Whooping Cough In Nebraska. AMIA Summits on Translational Science Proceedings, 2019, 2019, 388-397.	0.4	3
1802	Description of social contacts among student cases of pandemic influenza during the containment phase, Melbourne, Australia, 2009. Western Pacific Surveillance and Response Journal: WPSAR, 2018, 9, 27-34.	0.3	2
1803	Estimating spread of contact-based contagions in a population through sub-sampling. Proceedings of the VLDB Endowment, 2021, 14, 1557-1569.	2.1	4
1804	Fear and COVID-19 Protective Behaviors among High School Students in Hamadan, Iran; Application of an Extended Parallel Process Model. Journal of Education and Community Health, 2021, 8, 165-172.	0.7	3
1805	Predicted norovirus resurgence in 2021-2022 due to the relaxation of nonpharmaceutical interventions associated with COVID-19 restrictions in England: a mathematical modeling study. BMC Medicine, 2021, 19, 299.	2.3	18
1806	Anti-COVID Vaccination for Adolescents: A Survey on Determinants of Vaccine Parental Hesitancy. Vaccines, 2021, 9, 1309.	2.1	19
1807	Molecular Detection of Airborne <i>Mycobacterium tuberculosis</i> in South African High Schools. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 350-356.	2.5	10

#	ARTICLE	IF	CITATIONS
1808	Effect of evidence updates on key determinants of measles vaccination impact: a DynaMICE modelling study in ten high-burden countries. <i>BMC Medicine</i> , 2021, 19, 281.	2.3	9
1810	Vaccination against COVID-19 and society's return to normality in England: a modelling study of impacts of different types of naturally acquired and vaccine-induced immunity. <i>BMJ Open</i> , 2021, 11, e053507.	0.8	10
1811	Evaluation of the United States COVID-19 vaccine allocation strategy. <i>PLoS ONE</i> , 2021, 16, e0259700.	1.1	22
1812	Within and between classroom transmission patterns of seasonal influenza among primary school students in Matsumoto city, Japan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	11
1813	The network limits of infectious disease control via occupation-based targeting. <i>Scientific Reports</i> , 2021, 11, 22855.	1.6	1
1814	Children and adolescents's behavioral patterns in response to escalating COVID-19 restriction reveal sex and age differences. <i>Journal of Adolescent Health</i> , 2021, , .	1.2	10
1815	Impact of School Closures on the Proportion of Children in the COVID-19 Pandemic: An Example from the Winter Lockdown in Germany. <i>Klinische Padiatrie</i> , 2021, 234, .	0.2	6
1816	Modeling the Spread of COVID-19 in Enclosed Spaces. <i>Mathematical and Computational Applications</i> , 2021, 26, 79.	0.7	5
1817	Social contact patterns and implications for infectious disease transmission – a systematic review and meta-analysis of contact surveys. <i>ELife</i> , 2021, 10, .	2.8	36
1820	Estimating the duration of seropositivity of human seasonal coronaviruses using seroprevalence studies. <i>Wellcome Open Research</i> , 0, 6, 138.	0.9	5
1822	A global assessment of the impact of school closure in reducing COVID-19 spread. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210124.	1.6	13
1823	In vivo kinetics of SARS-CoV-2 infection and its relationship with a person's infectiousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	108
1824	Effect of homophily and correlation of beliefs on COVID-19 and general infectious disease outbreaks. <i>PLoS ONE</i> , 2021, 16, e0260973.	1.1	11
1825	Lockdown impact on age-specific contact patterns and behaviours, France, April 2020. <i>Eurosurveillance</i> , 2021, 26, .	3.9	12
1826	A simulation-based optimization framework for optimizing response strategies to epidemics. <i>Operations Research Perspectives</i> , 2021, 8, 100210.	1.2	4
1827	The Geographic Spread of COVID-19 Correlates with Structure of Social Networks as Measured by Facebook. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
1828	Matching Theory and Evidence on COVID-19 Using a Stochastic Network SIR Model. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
1829	Micro-level Social Structures and the Success of COVID-19 National Policies. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1830	Estimating local outbreak risks and the effects of non-pharmaceutical interventions in age-structured populations: SARS-CoV-2 as a case study. <i>Journal of Theoretical Biology</i> , 2022, 535, 110983.	0.8	14
1831	Social physics. <i>Physics Reports</i> , 2022, 948, 1-148.	10.3	231
1832	Investigating the transmission risk of infectious disease outbreaks through the Aotearoa Co-incidence Network (ACN): a population-based study. <i>The Lancet Regional Health - Western Pacific</i> , 2022, 20, 100351.	1.3	3
1833	Investigating the association between mass transit adoption and COVID-19 infections in US metropolitan areas. <i>Science of the Total Environment</i> , 2022, 811, 152284.	3.9	11
1834	Impact of vaccination and non-pharmaceutical interventions on SARS-CoV-2 dynamics in Switzerland. <i>Epidemics</i> , 2022, 38, 100535.	1.5	29
1835	North Carolina public school teachersâ€™ contact patterns and mask use within and outside of school during the prevaccine phase of the COVID-19 pandemic. <i>American Journal of Infection Control</i> , 2021, , .	1.1	0
1836	Public Health Impact and Cost-Effectiveness Analysis of Routine Infant 4CMenB Vaccination in Germany to Prevent SerogroupÂ® Invasive Meningococcal Disease. <i>Infectious Diseases and Therapy</i> , 2022, 11, 367-387.	1.8	4
1837	How immunity from and interaction with seasonal coronaviruses can shape SARS-CoV-2 epidemiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	18
1838	School Attendance Registers for the Syndromic Surveillance of Infectious Intestinal Disease in UK Children: Protocol for a Retrospective Analysis. <i>JMIR Research Protocols</i> , 2022, 11, e30078.	0.5	2
1839	Epidemiological characteristics of the B.1.526 SARS-CoV-2 variant. <i>Science Advances</i> , 2022, 8, eabm0300.	4.7	6
1841	A stochastic contact network model for assessing outbreak risk of COVID-19 in workplaces. <i>PLoS ONE</i> , 2022, 17, e0262316.	1.1	4
1842	Multi-household social gatherings contribute to the second SARS-CoV-2 wave in Rhineland-Palatinate, Germany, August to November 2020. <i>Journal of Infection</i> , 2022, 84, 551-557.	1.7	3
1843	Adaptive data-driven age and patch mixing in contact networks with recurrent mobility. <i>MethodsX</i> , 2022, 9, 101614.	0.7	1
1845	Characterizing the transmission patterns of seasonal influenza in Italy: lessons from the last decade. <i>BMC Public Health</i> , 2022, 22, 19.	1.2	11
1846	Using a stochastic continuous-time Markov chain model to examine alternative timing and duration of the COVID-19 lockdown in Kuwait: what can be done now?. <i>Archives of Public Health</i> , 2022, 80, 22.	1.0	2
1847	Epidemic on a changing network: College outbreaks and vaccination. <i>International Journal of Modern Physics C</i> , 0, , .	0.8	1
1848	School Closures During Social Lockdown and Mental Health, Health Behaviors, and Well-being Among Children and Adolescents During the First COVID-19 Wave. <i>JAMA Pediatrics</i> , 2022, 176, 400.	3.3	338
1851	Structural identifiability analysis of age-structured PDE epidemic models. <i>Journal of Mathematical Biology</i> , 2022, 84, 9.	0.8	9

#	ARTICLE	IF	CITATIONS
1852	The Role of Information and Communications Technology Policies and Infrastructure in Curbing the Spread of the Novel Coronavirus: Cross-country Comparative Study. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e31066.	1.2	2
1853	Comparing transmission potential networks based on social network surveys, close contacts and environmental overlap in rural Madagascar. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210690.	1.5	7
1854	Fitting to the UK COVID-19 outbreak, short-term forecasts and estimating the reproductive number. <i>Statistical Methods in Medical Research</i> , 2022, 31, 1716-1737.	0.7	22
1855	Geospatial model of COVID-19 spreading and vaccination with event Gillespie algorithm. <i>Nonlinear Dynamics</i> , 2022, 109, 239-248.	2.7	2
1856	Health and economic impact of seasonal influenza mass vaccination strategies in European settings: A mathematical modelling and cost-effectiveness analysis. <i>Vaccine</i> , 2022, 40, 1306-1315.	1.7	12
1859	How Much Testing and Social Distancing is Required to Control COVID-19? Some Insight Based on an Age-Differentiated Compartmental Model. <i>SIAM Journal on Control and Optimization</i> , 2022, 60, S145-S169.	1.1	4
1860	Iterative data-driven forecasting of the transmission and management of SARS-CoV-2/COVID-19 using social interventions at the county-level. <i>Scientific Reports</i> , 2022, 12, 890.	1.6	10
1861	A cyber warfare perspective on risks related to health IoT devices and contact tracing. <i>Neural Computing and Applications</i> , 2023, 35, 13823-13837.	3.2	4
1863	Effects of Vaccination Efficacy on Wealth Distribution in Kinetic Epidemic Models. <i>Entropy</i> , 2022, 24, 216.	1.1	6
1864	Comparing the impact of vaccination strategies on the spread of COVID-19, including a novel household-targeted vaccination strategy. <i>PLoS ONE</i> , 2022, 17, e0263155.	1.1	8
1865	Applying the Moving Epidemic Method to Establish the Influenza Epidemic Thresholds and Intensity Levels for Age-Specific Groups in Hubei Province, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1677.	1.2	2
1866	Real-time pandemic surveillance using hospital admissions and mobility data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	31
1870	Testing fractional doses of COVID-19 vaccines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	20
1871	Challenges for modelling interventions for future pandemics. <i>Epidemics</i> , 2022, 38, 100546.	1.5	30
1872	Assessing the impact of mobility on the incidence of COVID-19 in Dublin City. <i>Sustainable Cities and Society</i> , 2022, 80, 103770.	5.1	27
1873	Reducing disease spread through optimization: Limiting mixture of the population is more important than limiting group sizes. <i>Computers and Operations Research</i> , 2022, , 105718.	2.4	2
1875	The case for altruism in institutional diagnostic testing. <i>Scientific Reports</i> , 2022, 12, 1857.	1.6	3
1876	Understanding the Spread of COVID-19 Based on Economic and Socio-Political Factors. <i>Sustainability</i> , 2022, 14, 1768.	1.6	2

#	ARTICLE	IF	CITATIONS
1877	Transmission of SARS-CoV-2 by children and young people in households and schools: A meta-analysis of population-based and contact-tracing studies. <i>Journal of Infection</i> , 2022, 84, 361-382.	1.7	38
1878	The effect of COVID-19 vaccination in Italy and perspectives for living with the virus. <i>Nature Communications</i> , 2021, 12, 7272.	5.8	40
1879	Modeling for COVID-19 college reopening decisions: Cornell, a case study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	37
1882	Numbers of close contacts of individuals infected with SARS-CoV-2 and their association with government intervention strategies. <i>BMC Public Health</i> , 2021, 21, 2238.	1.2	9
1883	Multiscale model for forecasting Sabin 2 vaccine virus household and community transmission. <i>PLoS Computational Biology</i> , 2021, 17, e1009690.	1.5	6
1885	Fine-Grained Agent-Based Modeling to Predict Covid-19 Spreading and Effect of Policies in Large-Scale Scenarios. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 2052-2062.	3.9	7
1886	Public opinion of the Irish "COVID Tracker" digital contact tracing App: A national survey. <i>Digital Health</i> , 2022, 8, 205520762210850.	0.9	7
1887	Non-pharmaceutical interventions and COVID-19 vaccination strategies in Senegal: a modelling study. <i>BMJ Global Health</i> , 2022, 7, e007236.	2.0	13
1888	Risk Perception Influence on Vaccination Program on COVID-19 in Chile: A Mathematical Model. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2022.	1.2	8
1890	Simulating COVID19 transmission from observed movement. <i>Scientific Reports</i> , 2022, 12, 3044.	1.6	2
1891	Household Transmission and Clinical Features of SARS-CoV-2 Infections. <i>Pediatrics</i> , 2022, 149, .	1.0	20
1892	Secondary attack rates in primary and secondary school bubbles following a confirmed case: Active, prospective national surveillance, November to December 2020, England. <i>PLoS ONE</i> , 2022, 17, e0262515.	1.1	4
1893	Influence of heterogeneous age-group contact patterns on critical vaccination rates for herd immunity to SARS-CoV-2. <i>Scientific Reports</i> , 2022, 12, 2640.	1.6	6
1897	Epidemiological and Genetic Characterization of Norovirus Outbreaks That Occurred in Catalonia, Spain, 2017-2019. <i>Viruses</i> , 2022, 14, 488.	1.5	7
1898	Optimization of COVID-19 vaccination and the role of individuals with a high number of contacts: A model based approach. <i>PLoS ONE</i> , 2022, 17, e0262433.	1.1	3
1899	Post-lockdown changes of age-specific susceptibility and its correlation with adherence to social distancing measures. <i>Scientific Reports</i> , 2022, 12, 4637.	1.6	3
1900	The SARS-CoV-2 pandemic in Germany may represent the sum of a large number of local but independent epidemics each initiated by individuals aged 10-19 years, middle-aged males, or elderly individuals. <i>Journal of Medical Virology</i> , 2022, 94, 3087-3095.	2.5	1
1902	Reconstructing antibody dynamics to estimate the risk of influenza virus infection. <i>Nature Communications</i> , 2022, 13, 1557.	5.8	9

#	ARTICLE	IF	CITATIONS
1904	Inferring age-specific differences in susceptibility to and infectiousness upon SARS-CoV-2 infection based on Belgian social contact data. <i>PLoS Computational Biology</i> , 2022, 18, e1009965.	1.5	16
1906	Changes in social contacts in England during the COVID-19 pandemic between March 2020 and March 2021 as measured by the CoMix survey: A repeated cross-sectional study. <i>PLoS Medicine</i> , 2022, 19, e1003907.	3.9	67
1907	Estimates of the basic reproduction number for rubella using seroprevalence data and indicator-based approaches. <i>PLoS Computational Biology</i> , 2022, 18, e1008858.	1.5	2
1908	Using contact tracing from interlocking diaries to map mood contagion along network chains. <i>Scientific Reports</i> , 2022, 12, 3400.	1.6	1
1909	A multi-layer network model to assess school opening policies during a vaccination campaign: a case study on COVID-19 in France. <i>Applied Network Science</i> , 2022, 7, 12.	0.8	4
1910	Differential gene expression reveals host factors for viral shedding variation in mallards (<i>Anas</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 103, .	1.3	2
1911	Reconstructing social mixing patterns via weighted contact matrices from online and representative surveys. <i>Scientific Reports</i> , 2022, 12, 4690.	1.6	9
1912	Modeling the effects of social distancing on the large-scale spreading of diseases. <i>Epidemics</i> , 2022, 38, 100544.	1.5	5
1914	The influence of risk perceptions on close contact frequency during the SARS-CoV-2 pandemic. <i>Scientific Reports</i> , 2022, 12, 5192.	1.6	20
1915	Human Close Contact Behavior-Based Interventions for COVID-19 Transmission. <i>Buildings</i> , 2022, 12, 365.	1.4	7
1916	From Outbreak to Near Disappearance: How Did Non-pharmaceutical Interventions Against COVID-19 Affect the Transmission of Influenza Virus?. <i>Frontiers in Public Health</i> , 2022, 10, 863522.	1.3	4
1917	Longitudinal social contacts among school-aged children during the COVID-19 pandemic: the Bay Area Contacts among Kids (BACK) study. <i>BMC Infectious Diseases</i> , 2022, 22, 242.	1.3	7
1918	Vaccination with partial transmission and social distancing on contact networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2022, 2022, 033302.	0.9	1
1920	Adaptive and optimized COVID-19 vaccination strategies across geographical regions and age groups. <i>PLoS Computational Biology</i> , 2022, 18, e1009974.	1.5	14
1921	Maintaining face mask use before and after achieving different COVID-19 vaccination coverage levels: a modelling study. <i>Lancet Public Health</i> , The, 2022, 7, e356-e365.	4.7	41
1923	Individual variation in susceptibility or exposure to SARS-CoV-2 lowers the herd immunity threshold. <i>Journal of Theoretical Biology</i> , 2022, 540, 111063.	0.8	75
1924	Language and the cultural markers of COVID-19. <i>Social Science and Medicine</i> , 2022, 301, 114886.	1.8	1
1925	Modelling the COVID-19 epidemic and the vaccination campaign in Italy by the SUIHTER model. <i>Infectious Disease Modelling</i> , 2022, 7, 45-63.	1.2	11

#	ARTICLE	IF	CITATIONS
1926	You are only as safe as your riskiest contact: Effective COVID-19 vaccine distribution using local network information. <i>Preventive Medicine Reports</i> , 2022, 27, 101787.	0.8	1
1927	Percolation across households in mechanistic models of non-pharmaceutical interventions in SARS-CoV-2 disease dynamics. <i>Epidemics</i> , 2022, 39, 100551.	1.5	4
1930	An age-structured SEIR model for COVID-19 incidence in Dublin, Ireland with framework for evaluating health intervention cost. <i>PLoS ONE</i> , 2021, 16, e0260632.	1.1	11
1931	Estimating the duration of seropositivity of human seasonal coronaviruses using seroprevalence studies. <i>Wellcome Open Research</i> , 0, 6, 138.	0.9	3
1932	Extended SEIR Model for Health Policies Assessment Against the COVID-19 Pandemic: the Case of Argentina. <i>Journal of Healthcare Informatics Research</i> , 2022, 6, 91-111.	5.3	5
1933	Predicting regional COVID-19 hospital admissions in Sweden using mobility data. <i>Scientific Reports</i> , 2021, 11, 24171.	1.6	6
1934	Highlighting the impact of social relationships on the propagation of respiratory viruses using percolation theory. <i>Scientific Reports</i> , 2021, 11, 24326.	1.6	2
1937	Requirements for the containment of COVID-19 disease outbreaks through periodic testing, isolation, and quarantine. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 034001.	0.7	4
1939	Vaccination and herd immunity thresholds in heterogeneous populations. <i>Journal of Mathematical Biology</i> , 2021, 83, 73.	0.8	16
1940	A single-agent extension of the SIR model describes the impact of mobility restrictions on the COVID-19 epidemic. <i>Scientific Reports</i> , 2021, 11, 24467.	1.6	7
1943	Modeling serological testing to inform relaxation of social distancing for COVID-19 control. <i>Nature Communications</i> , 2021, 12, 7063.	5.8	11
1945	COVID-19 in Tunisia (North Africa): Seroprevalence of SARS-CoV-2 in the General Population of the Capital City Tunis. <i>Diagnostics</i> , 2022, 12, 971.	1.3	4
1947	Risk assessment for precise intervention of COVID-19 epidemic based on available big data and spatio-temporal simulation method: Empirical evidence from different public places in Guangzhou, China. <i>Applied Geography</i> , 2022, 143, 102702.	1.7	13
1948	Optimal control of epidemic spreading in the presence of social heterogeneity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, 20210160.	1.6	18
1949	A Population-Based Susceptible, Infected, Recovered Simulation Model of the Spread of Influenza-Like-Illness in the Homeless versus Non-Homeless Population. <i>Annals of Epidemiology</i> , 2022, , .	0.9	0
1950	Assortative mixing among vaccination groups and biased estimation of reproduction numbers. <i>Lancet Infectious Diseases</i> , The, 2022, 22, 579-581.	4.6	3
1951	Determining Existing Human Population Immunity as Part of Assessing Influenza Pandemic Risk. <i>Emerging Infectious Diseases</i> , 2022, 28, 977-985.	2.0	6
1952	Vaccine failure, seasonality and demographic changes associate with mumps outbreaks in Jiangsu Province, China: Age-structured mathematical modelling study. <i>Journal of Theoretical Biology</i> , 2022, 544, 111125.	0.8	1

#	ARTICLE	IF	CITATIONS
1956	Streptococcus pneumoniae colonization in health care professionals at a tertiary university pediatric hospital. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2022, 41, 971-976.	1.3	2
1957	Modelling the effect of COVID-19 mass vaccination on acute hospital admissions. <i>International Journal for Quality in Health Care</i> , 2022, 34, .	0.9	3
1958	Updating age-specific contact structures to match evolving demography in a dynamic mathematical model of tuberculosis vaccination. <i>PLoS Computational Biology</i> , 2022, 18, e1010002.	1.5	1
1959	Improving mathematical modeling of interventions to prevent healthcare-associated infections by interrupting transmission or pathogens: How common modeling assumptions about colonized individuals impact intervention effectiveness estimates. <i>PLoS ONE</i> , 2022, 17, e0264344.	1.1	0
1960	Description of social contacts among student cases of pandemic influenza during the containment phase, Melbourne, Australia, 2009. <i>Western Pacific Surveillance and Response Journal: WPSAR</i> , 2018, 9, 27-34.	0.3	3
1961	Social distancing and supply disruptions in a pandemic. <i>Quantitative Economics</i> , 2022, 13, 681-721.	0.9	30
1962	Daily longitudinal sampling of SARS-CoV-2 infection reveals substantial heterogeneity in infectiousness. <i>Nature Microbiology</i> , 2022, 7, 640-652.	5.9	99
1963	Estimating the Number of COVID-19 Cases and Impact of New COVID-19 Variants and Vaccination on the Population in Kerman, Iran: A Mathematical Modeling Study. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-11.	0.7	6
1964	Clinical implementation of ketogenic diet in children with drug-resistant epilepsy: Advantages, disadvantages, and difficulties. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2022, 99, 75-81.	0.9	7
1965	Population-Based Assessment of Contact Tracing Operations for Coronavirus Disease 2019 in Pirkanmaa Hospital District, Finland. <i>Open Forum Infectious Diseases</i> , 2022, 9, .	0.4	2
1966	Cost-utility analysis of increasing uptake of universal seasonal quadrivalent influenza vaccine (QIV) in children aged 6 months and older in Germany. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-10.	1.4	2
1967	Social Contacts and Transmission of COVID-19 in British Columbia, Canada. <i>Frontiers in Public Health</i> , 2022, 10, 867425.	1.3	4
1968	Network topological determinants of pathogen spread. <i>Scientific Reports</i> , 2022, 12, 7692.	1.6	8
1970	Herd immunity and epidemic size in networks with vaccination homophily. <i>Physical Review E</i> , 2022, 105, .	0.8	14
1971	The influence of gender on COVID-19 infections and mortality in Germany: Insights from age- and gender-specific modeling of contact rates, infections, and deaths in the early phase of the pandemic. <i>PLoS ONE</i> , 2022, 17, e0268119.	1.1	48
1972	An iterative algorithm for optimizing COVID-19 vaccination strategies considering unknown supply. <i>PLoS ONE</i> , 2022, 17, e0265957.	1.1	2
1973	Correlates of the country differences in the infection and mortality rates during the first wave of the COVID-19 pandemic: evidence from Bayesian model averaging. <i>Scientific Reports</i> , 2022, 12, 7099.	1.6	4
1974	Sideward contact tracing and the control of epidemics in large gatherings. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220048.	1.5	7

#	ARTICLE	IF	CITATIONS
1975	Matching Theory and Evidence on Covid-19 using a Stochastic Network SIR Model*. Journal of Applied Econometrics, 0, , .	1.3	5
1976	Are we underestimating the annual risk of infection with Mycobacterium tuberculosis in high-burden settings?. Lancet Infectious Diseases, The, 2022, 22, e271-e278.	4.6	28
1977	Learning transmission dynamics modelling of COVID-19 using comodels. Mathematical Biosciences, 2022, 349, 108824.	0.9	4
1978	Spatial-SIR with network structure and behavior: Lockdown rules and the Lucas critique. Journal of Economic Behavior and Organization, 2022, 198, 370-388.	1.0	7
1979	The effectiveness of testing, vaccinations and contact restrictions for containing the CoViD-19 pandemic. Scientific Reports, 2022, 12, 8048.	1.6	5
1980	An assessment of the vaccination of school-aged children in England against SARS-CoV-2. BMC Medicine, 2022, 20, 196.	2.3	9
1981	Duration of SARS-CoV-2 shedding and infectivity in the working age population: a systematic review and meta-analysis.. Medicina Del Lavoro, 2022, 113, e2022014.	0.3	8
1983	Immunological heterogeneity informs estimation of the durability of vaccine protection. Journal of the Royal Society Interface, 2022, 19, .	1.5	2
1984	A compelling demonstration of why traditional statistical regression models cannot be used to identify risk factors from case data on infectious diseases: a simulation study. BMC Medical Research Methodology, 2022, 22, .	1.4	4
1985	Evaluation of different types of face masks to limit the spread of SARS-CoV-2: a modeling study. Scientific Reports, 2022, 12, .	1.6	12
1986	A multilayer network model of Covid-19: Implications in public health policy in Costa Rica. Epidemics, 2022, 39, 100577.	1.5	2
1987	Monitoring and Understanding Household Clustering of SARS-CoV-2 Cases Using Surveillance Data in Fulton County, Georgia. SSRN Electronic Journal, 0, , .	0.4	0
1988	Optimal Social Distancing Policy for COVID-19 Control in Korea: A Model-Based Analysis. Journal of Korean Medical Science, 2022, 37, .	1.1	6
1989	An Epidemic Model for SARS-CoV-2 with Self-adaptive Containment Measures. SSRN Electronic Journal, 0, , .	0.4	0
1990	Working from Home During a Pandemic - A Discrete Choice Experiment in Poland. SSRN Electronic Journal, 0, , .	0.4	4
1991	Time trends in social contacts of individuals according to comorbidity and vaccination status, before and during the COVID-19 pandemic. BMC Medicine, 2022, 20, .	2.3	6
1992	Quantifying human mixing patterns in Chinese provinces outside Hubei after the 2020 lockdown was lifted. BMC Infectious Diseases, 2022, 22, .	1.3	2
1993	Control of COVID-19 Outbreaks under Stochastic Community Dynamics, Bimodality, or Limited Vaccination. Advanced Science, 2022, 9, .	5.6	9

#	ARTICLE	IF	CITATIONS
1995	Time trends in social contacts before and during the COVID-19 pandemic: the CONNECT study. BMC Public Health, 2022, 22, .	1.2	17
1998	Interaction in Prevention: A General Theory and an Application to COVID-19 Pandemic. SSRN Electronic Journal, 0, , .	0.4	0
1999	The Social Transmission of Non-Infectious Diseases: Evidence from the Opioid Epidemic. SSRN Electronic Journal, 0, , .	0.4	1
2000	Designing social distancing policies for the COVID-19 pandemic: A probabilistic model predictive control approach. Mathematical Biosciences and Engineering, 2022, 19, 8804-8832.	1.0	4
2001	Association of pneumococcal carriage in infants with the risk of carriage among their contacts in Nha Trang, Vietnam: A nested cross-sectional survey. PLoS Medicine, 2022, 19, e1004016.	3.9	7
2002	Patterns of human social contact and mask wearing in high-risk groups in China. Infectious Diseases of Poverty, 2022, 11, .	1.5	4
2003	Is living in a household with children associated with SARS-CoV-2 seropositivity in adults? Results from the Swiss national seroprevalence study Corona Immunitas. BMC Medicine, 2022, 20, .	2.3	7
2004	Patterns of social mixing in England changed in line with restrictions during the COVID-19 pandemic (September 2020 to April 2022). Scientific Reports, 2022, 12, .	1.6	7
2005	Dynamical intervention planning against COVID-19-like epidemics. PLoS ONE, 2022, 17, e0269830.	1.1	3
2006	Investigating the relationship between interventions, contact patterns, and SARS-CoV-2 transmissibility. Epidemics, 2022, 40, 100601.	1.5	7
2008	Epidemic risk assessment from geographic population density. Applied Network Science, 2022, 7, .	0.8	2
2009	Higher education responses to COVID-19 in the United States: Evidence for the impacts of university policy. , 2022, 1, e0000065.		12
2010	Disease-economy trade-offs under alternative epidemic control strategies. Nature Communications, 2022, 13, .	5.8	14
2011	Pendulum Search Algorithm: An Optimization Algorithm Based on Simple Harmonic Motion and Its Application for a Vaccine Distribution Problem. Algorithms, 2022, 15, 214.	1.2	3
2012	Estimation of single-dose varicella vaccine effectiveness in South Korea using mathematical modeling. Human Vaccines and Immunotherapeutics, 2022, 18, .	1.4	3
2013	Epidemic management and control through risk-dependent individual contact interventions. PLoS Computational Biology, 2022, 18, e1010171.	1.5	9
2014	Impact of contact data resolution on the evaluation of interventions in mathematical models of infectious diseases. Journal of the Royal Society Interface, 2022, 19, .	1.5	4
2015	Transmission Dynamics of Tuberculosis with Age-specific Disease Progression. Bulletin of Mathematical Biology, 2022, 84, .	0.9	2

#	ARTICLE	IF	CITATIONS
2016	Optimal age-Based vaccination and economic mitigation policies for the second phase of the covid-19 pandemic. <i>Journal of Economic Dynamics and Control</i> , 2022, 140, 104306.	0.9	13
2017	Monitoring the COVID-19 immune landscape in Japan. <i>International Journal of Infectious Diseases</i> , 2022, 122, 300-306.	1.5	5
2019	Effect of COVID-19 driven lockdown on social contact pattern in Puducherry, India: A longitudinal study. <i>Journal of Postgraduate Medicine</i> , 2022, 68, 138-147.	0.2	1
2020	The excess mortality connected with COVID-19 pandemic. <i>Innovative Medicine of Kuban</i> , 2022, , 5-13.	0.0	0
2021	Uses of mathematical modeling to estimate the impact of mass drug administration of antibiotics on antimicrobial resistance within and between communities. <i>Infectious Diseases of Poverty</i> , 2022, 11, .	1.5	2
2022	Effects of human mobility and behavior on disease transmission in a COVID-19 mathematical model. <i>Scientific Reports</i> , 2022, 12, .	1.6	7
2023	The Impact of Childhood and Parental Vaccination on SARS-CoV-2 Infection Rates in Children. <i>Pediatric Infectious Disease Journal</i> , 2022, 41, 841-845.	1.1	7
2024	Incidence and Relative Risk of COVID-19 in Adolescents and Youth Compared With Older Adults in 19 US States, Fall 2020. <i>JAMA Network Open</i> , 2022, 5, e2222126.	2.8	7
2026	SARS-CoV-2 testing strategies for outbreak mitigation in vaccinated populations. <i>PLoS ONE</i> , 2022, 17, e0271103.	1.1	2
2027	Medical capacity investment for epidemic disease: The effects of policymaker's confidence and public trust. <i>Risk Analysis</i> , 0, , .	1.5	1
2029	Social mixing patterns relevant to infectious diseases spread by close contact in urban Blantyre, Malawi. <i>Epidemics</i> , 2022, 40, 100590.	1.5	5
2030	Estimating the basic reproduction number from noisy daily data. <i>Journal of Theoretical Biology</i> , 2022, 549, 111210.	0.8	0
2031	Nationally representative social contact patterns among U.S. adults, August 2020-April 2021. <i>Epidemics</i> , 2022, 40, 100605.	1.5	12
2032	Definition of "close contacts" in leprosy studies: protocol for a scoping review. <i>F1000Research</i> , 0, 11, 808.	0.8	0
2033	The molecular epidemiology of multiple zoonotic origins of SARS-CoV-2. <i>Science</i> , 2022, 377, 960-966.	6.0	123
2034	Lessons from a pandemic. <i>PLOS Global Public Health</i> , 2022, 2, e0000404.	0.5	1
2035	Can cases and outbreaks of norovirus in children provide an early warning of seasonal norovirus infection: an analysis of nine seasons of surveillance data in England UK. <i>BMC Public Health</i> , 2022, 22, .	1.2	1
2036	Evaluation of Intervention Policies for the COVID-19 Epidemic in the Seoul/Gyeonggi Region through a Model Simulation. <i>Yonsei Medical Journal</i> , 2022, 63, 707.	0.9	1

#	ARTICLE	IF	CITATIONS
2037	Optimizing Vaccine Allocation Strategies in Pandemic Outbreaks: An Optimal Control Approach. , 2022, , .		2
2040	How a Developing Country Faces COVID-19 Rehabilitation: The Chilean Experience. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	6
2042	Macroeconomic Effects of COVID-19 Across the World Income Distribution. <i>IMF Economic Review</i> , 2023, 71, 99-147.	1.8	6
2043	Model-based evaluation of the COVID-19 epidemiological impact on international visitors during Expo 2020. <i>Infectious Disease Modelling</i> , 2022, , .	1.2	0
2044	Validating and Testing an Agent-Based Model for the Spread of COVID-19 in Ireland. <i>Algorithms</i> , 2022, 15, 270.	1.2	8
2045	Human behaviour, NPI and mobility reduction effects on COVID-19 transmission in different countries of the world. <i>BMC Public Health</i> , 2022, 22, .	1.2	5
2046	Modelling the medium-term dynamics of SARS-CoV-2 transmission in England in the Omicron era. <i>Nature Communications</i> , 2022, 13, .	5.8	34
2047	Alternative COVID-19 mitigation measures in school classrooms: analysis using an agent-based model of SARS-CoV-2 transmission. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	7
2048	Analyzing the impact of a real-life outbreak simulator on pandemic mitigation: An epidemiological modeling study. <i>Patterns</i> , 2022, 3, 100572.	3.1	3
2049	THE DISTRIBUTIONAL EFFECTS OF COVID-19 AND OPTIMAL MITIGATION POLICIES. <i>International Economic Review</i> , 2023, 64, 261-294.	0.6	2
2050	Bayesian emulation and history matching of <tt>JUNE</tt>. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, .	1.6	8
2051	Differential Infectivity of Original and Delta Variants of SARS-CoV-2 in Children Compared to Adults. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	3
2052	Longitudinal change in SARS-CoV-2 seroprevalence in 3-to 16-year-old children: The Augsburg Plus study. <i>PLoS ONE</i> , 2022, 17, e0272874.	1.1	6
2053	Influenza virus and its subtypes circulating during 2018â€“2019: A hospital-based study from Assam. <i>Indian Journal of Medical Microbiology</i> , 2022, , .	0.3	1
2054	Estimation of age-stratified contact rates during the COVID-19 pandemic using a novel inference algorithm. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022, 380, .	1.6	9
2055	Modelling the Economic Impact of Influenza Vaccine Programs with the Cell-Based Quadrivalent Influenza Vaccine and Adjuvanted Trivalent Influenza Vaccine in Canada. <i>Vaccines</i> , 2022, 10, 1257.	2.1	3
2056	Mapping local variation in household overcrowding across Africa from 2000 to 2018: a modelling study. <i>Lancet Planetary Health</i> , The, 2022, 6, e670-e681.	5.1	5
2057	Use of Contact Networks to Estimate Potential Pathogen Risk Exposure in Hospitals. <i>JAMA Network Open</i> , 2022, 5, e2225508.	2.8	0

#	ARTICLE	IF	CITATIONS
2058	Optimal health and economic impact of non-pharmaceutical intervention measures prior and post vaccination in England: a mathematical modelling study. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	9
2061	A generalized epidemiological model with dynamic and asymptomatic population. <i>Statistical Methods in Medical Research</i> , 2022, 31, 2137-2163.	0.7	1
2063	Heterogeneous impact of Covid-19 response on tuberculosis burden by age group. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
2064	Empirical evidence on the efficiency of backward contact tracing in COVID-19. <i>Nature Communications</i> , 2022, 13, .	5.8	22
2065	Cohort profile: the British Columbia COVID-19 Population Mixing Patterns Survey (BC-Mix). <i>BMJ Open</i> , 2022, 12, e056615.	0.8	6
2066	The challenges of data in future pandemics. <i>Epidemics</i> , 2022, 40, 100612.	1.5	12
2067	Feasibility of measles and rubella vaccination programmes for disease elimination: a modelling study. <i>The Lancet Global Health</i> , 2022, 10, e1412-e1422.	2.9	11
2068	Social contacts and other risk factors for respiratory infections among internally displaced people in Somaliland. <i>Epidemics</i> , 2022, 41, 100625.	1.5	8
2069	Close encounters during a pandemic: Social habits and inter-generational links in the first two waves of COVID-19. <i>Economics and Human Biology</i> , 2022, 47, 101180.	0.7	0
2070	Social contact patterns and changes at leisure/tourism activity settings during COVID-19 period: An international comparison. , 2023, , 201-223.		0
2071	Individual-based modeling of COVID-19 transmission in college communities. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 13861-13877.	1.0	2
2072	Measles epidemic in Southern Vietnam: an age-stratified spatio-temporal model for infectious disease counts. <i>Epidemiology and Infection</i> , 2022, 150, .	1.0	2
2073	Epidemic Spreading in Metapopulation Networks Coupled With Awareness Propagation. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 7686-7698.	6.2	12
2074	Using Data Mining to Estimate Patterns of Contagion-Risk Interactions in an Intercity Public Road Transport System. <i>IEEE Access</i> , 2022, 10, 99150-99167.	2.6	1
2075	Benzetim tabanlı adaptif da dağıtım stratejisi. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 0, , .	0.3	0
2078	Risk factors for SARS-CoV-2 transmission in student residences: a case-ascertained study. <i>Archives of Public Health</i> , 2022, 80, .	1.0	3
2079	Capturing Household Structure and Mobility within and between Remote Aboriginal Communities in Northern Australia Using Longitudinal Data: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12002.	1.2	0
2080	A causal inference approach for estimating effects of non-pharmaceutical interventions during Covid-19 pandemic. <i>PLoS ONE</i> , 2022, 17, e0265289.	1.1	4

#	ARTICLE	IF	CITATIONS
2081	COVID-19 Vaccination and Financial Frictions. <i>IMF Economic Review</i> , 2023, 71, 216-242.	1.8	2
2082	Scheduling mechanisms to control the spread of COVID-19. <i>PLoS ONE</i> , 2022, 17, e0272739.	1.1	0
2083	Micro-level social structures and the success of COVID-19 national policies. <i>Nature Computational Science</i> , 2022, 2, 595-604.	3.8	4
2084	Activity-driven network modeling and control of the spread of two concurrent epidemic strains. <i>Applied Network Science</i> , 2022, 7, .	0.8	2
2085	A computational framework for modelling infectious disease policy based on age and household structure with applications to the COVID-19 pandemic. <i>PLoS Computational Biology</i> , 2022, 18, e1010390.	1.5	8
2086	Mixing patterns and the spread of pandemics. <i>Nature Computational Science</i> , 2022, 2, 561-562.	3.8	1
2087	Germany's fourth COVID-19 wave was mainly driven by the unvaccinated. <i>Communications Medicine</i> , 2022, 2, .	1.9	5
2089	Estimation of heterogeneous instantaneous reproduction numbers with application to characterize SARS-CoV-2 transmission in Massachusetts counties. <i>PLoS Computational Biology</i> , 2022, 18, e1010434.	1.5	0
2090	Assessing COVID-19 vaccination strategies in varied demographics using an individual-based model. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	5
2091	An agent-based model of social care provision during the early stages of Covid-19. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
2092	Ethnic homophily affects vaccine prioritization strategies. <i>Journal of Theoretical Biology</i> , 2022, 555, 111295.	0.8	2
2093	Use of surveillance data to elucidate household clustering of SARS-CoV-2 in Fulton County, Georgia a major metropolitan area. <i>Annals of Epidemiology</i> , 2022, 76, 121-127.	0.9	1
2094	Exploring meteorological impacts based on Köppen-Geiger climate classification after reviewing China's response to COVID-19. <i>Applied Mathematical Modelling</i> , 2023, 114, 133-146.	2.2	3
2095	Data mining methodology for obtaining epidemiological data in the context of road transport systems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , .	3.3	0
2097	Health behavior homophily can mitigate the spread of infectious diseases in small-world networks. <i>Social Science and Medicine</i> , 2022, 312, 115350.	1.8	5
2098	A mixed methods analysis of participation in a social contact survey. <i>Epidemics</i> , 2022, 41, 100635.	1.5	4
2099	An implementation of a multilayer network model for the Covid-19 pandemic: A Costa Rica study. <i>Mathematical Biosciences and Engineering</i> , 2022, 20, 534-551.	1.0	0
2100	AN AGE-STRUCTURED MODEL FOR PERTUSSIS TRANSMISSION WITH MULTIPLE INFECTIONS STUDYING THE EFFECTS OF CHILDHOOD D<sc>TA</sc>P AND ADOLESCENT <sc>TDAP</sc> VACCINES. <i>Journal of Biological Systems</i> , 0, , 1-37.	0.5	1

#	ARTICLE	IF	CITATIONS
2101	Investigation of turning points in the effectiveness of Covid-19 social distancing. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
2102	Pregnancy during COVID-19: social contact patterns and vaccine coverage of pregnant women from CoMix in 19 European countries. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, .	0.9	5
2103	Implementation of Containment and Closure Measures During COVID-19 Pandemic and Their Effect on Tourism in Croatia. <i>Internal Security</i> , 2022, 14, 23-46.	0.0	0
2104	The Fitness-Corrected Block Model, or how to create maximum-entropy data-driven spatial social networks. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
2105	COVICT: an IoT based architecture for COVID-19 detection and contact tracing. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 7381-7398.	3.3	16
2106	Forecasting SARS-CoV-2 transmission and clinical risk at small spatial scales by the application of machine learning architectures to syndromic surveillance data. <i>Nature Machine Intelligence</i> , 2022, 4, 814-827.	8.3	4
2108	How to design virus containment policies? A joint analysis of economic and epidemic dynamics under the COVID-19 pandemic. <i>Journal of Economic Interaction and Coordination</i> , 2023, 18, 311-370.	0.4	6
2109	Optimal Respiratory Syncytial Virus intervention programmes using Nirsevimab in England and Wales. <i>Vaccine</i> , 2022, 40, 7151-7157.	1.7	10
2110	Epidemic Modeling, Prediction, and Control. , 2022, , 1-35.		0
2111	Data-driven clustering of infectious disease incidence into age groups. <i>Statistical Methods in Medical Research</i> , 2022, 31, 2486-2499.	0.7	3
2112	Data needs for integrated economic-epidemiological models of pandemic mitigation policies. <i>Epidemics</i> , 2022, , 100644.	1.5	2
2113	A SIR forced model with interplays with the external world and periodic internal contact interplays. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 454, 128498.	0.9	5
2114	Luck perception is associated with less frequent preventive practices and a higher number of social contacts among adults during the SARS-CoV-2 pandemic. <i>Public Health in Practice</i> , 2022, 4, 100325.	0.7	0
2115	Schools' Out? Simulating Schooling Strategies During COVID-19. <i>Lecture Notes in Computer Science</i> , 2022, , 48-59.	1.0	1
2116	Frailty and the risk of infection-related hospitalizations in older age: Differences by sex. <i>Maturitas</i> , 2023, 168, 1-6.	1.0	2
2117	Network and Epidemic Model. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2022, , 145-192.	0.4	0
2118	Cross-sectional analysis of students and school workers reveals a high number of asymptomatic SARS-CoV-2 infections during school reopening in Brazilian cities. <i>Heliyon</i> , 2022, 8, e11368.	1.4	3
2119	Modeling the impact of surveillance activities combined with physical distancing interventions on COVID-19 epidemics at a local level. <i>Infectious Disease Modelling</i> , 2022, , .	1.2	0

#	ARTICLE	IF	CITATIONS
2120	Comparison of allocation strategies of convalescent plasma to reduce excess infections and mortality from SARS-CoV-2 in a US-like population. <i>Transfusion</i> , 2023, 63, 92-103.	0.8	1
2121	Mathematical modeling and investigation on the role of demography and contact patterns in social distancing measures effectiveness in COVID-19 dissemination. <i>Mathematical Medicine and Biology</i> , 2023, 40, 73-95.	0.8	0
2122	The effect of competition between health opinions on epidemic dynamics. , 2022, 1, .		3
2124	Incorporating human dynamic populations in models of infectious disease transmission: a systematic review. <i>BMC Infectious Diseases</i> , 2022, 22, .	1.3	2
2125	Study of Different Seat Allocation Strategies to Reduce the Risk of Contagion Among Passengers in a Public Road Transport System. <i>Lecture Notes in Networks and Systems</i> , 2023, , 209-220.	0.5	0
2126	Mathematical Modeling of COVID-19 Transmission and Intervention in South Korea: A Review of Literature. <i>Yonsei Medical Journal</i> , 2023, 64, 1.	0.9	2
2127	The macroeconomics of age-varying epidemics. <i>European Economic Review</i> , 2023, 151, 104346.	1.2	3
2128	Optimal control of an influenza model with mixed cross-infection by age group. <i>Mathematics and Computers in Simulation</i> , 2023, 206, 410-436.	2.4	2
2129	Large-scale calibration and simulation of COVID-19 epidemiologic scenarios to support healthcare planning. <i>Epidemics</i> , 2023, 42, 100662.	1.5	1
2130	Leveraging Human Mobility Data for Efficient Parameter Estimation in Epidemic Models of COVID-19. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2024, 25, 763-773.	4.7	2
2131	Projecting social contact matrices to populations stratified by binary attributes with known homophily. <i>Mathematical Biosciences and Engineering</i> , 2022, 20, 3282-3300.	1.0	3
2132	Use of Digital Technologies to Maintain Older Adults'™ Social Ties During Visitation Restrictions in Long-Term Care Facilities: Scoping Review. <i>JMIR Aging</i> , 0, 6, e38593.	1.4	6
2133	Fol and Age-Dependence. <i>Use RI</i> , 2023, , 67-85.	0.3	0
2134	Spatiotemporal impact of non-pharmaceutical interventions against COVID-19 on the incidence of infectious diarrhea in Xi'an, China. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	0
2135	The impact of positive and negative information on SIR-like epidemics in delayed multiplex networks. <i>Chaos</i> , 2022, 32, .	1.0	3
2136	Estimation of Reproduction Numbers in Real Time: Conceptual and Statistical Challenges. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2022, 185, S112-S130.	0.6	9
2137	Geocomputational Approach to Simulate and Understand the Spatial Dynamics of COVID-19 Spread in the City of Montreal, QC, Canada. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 596.	1.4	0
2138	Pandemic fatigue impedes mitigation of COVID-19 in Hong Kong. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	16

#	ARTICLE	IF	CITATIONS
2141	Exploring human mixing patterns based on time use and social contact data and their implications for infectious disease transmission models. <i>BMC Infectious Diseases</i> , 2022, 22, .	1.3	1
2142	Coupling the Within-Host Process and Between-Host Transmission of COVID-19 Suggests Vaccination and School Closures are Critical. <i>Bulletin of Mathematical Biology</i> , 2023, 85, .	0.9	3
2145	Visiting crowded places during the COVID-19 pandemic. A panel study among adult Norwegians. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	1
2146	Novel estimates reveal subnational heterogeneities in disease-relevant contact patterns in the United States. <i>PLoS Computational Biology</i> , 2022, 18, e1010742.	1.5	1
2148	Prioritizing vaccination based on analysis of community networks. <i>Applied Network Science</i> , 2022, 7, .	0.8	2
2149	Social contact patterns in Japan in the COVID-19 pandemic during and after the Tokyo Olympic Games. <i>Journal of Global Health</i> , 0, 12, .	1.2	3
2150	Serial cross-sectional estimation of vaccine-and infection-induced SARS-CoV-2 seroprevalence in British Columbia, Canada. <i>Cmaj</i> , 2022, 194, E1599-E1609.	0.9	25
2151	Spatio-temporal modeling of infectious diseases by integrating compartment and point process models. <i>Stochastic Environmental Research and Risk Assessment</i> , 2023, 37, 1519-1533.	1.9	5
2152	Population-wide measures due to the COVID-19 pandemic and exposome changes in the general population of Cyprus in March–May 2020. <i>BMC Public Health</i> , 2022, 22, .	1.2	2
2153	Social mixing patterns in the UK following the relaxation of COVID-19 pandemic restrictions, July–August 2020: a cross-sectional online survey. <i>BMJ Open</i> , 2022, 12, e059231.	0.8	3
2154	Diminishing returns: Nudging Covid-19 prevention among Colombian young adults. <i>PLoS ONE</i> , 2022, 17, e0279179.	1.1	1
2155	Modeling Spreading Dynamics of Bilayer Networks Based on Community and Activity Driven. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2023, .	0.2	1
2156	On the use of historical estimates. <i>Statistical Papers</i> , 2024, 65, 203-236.	0.7	0
2157	Monitoring School Absenteeism for Influenza-Like Illness Surveillance: Systematic Review and Meta-analysis. <i>JMIR Public Health and Surveillance</i> , 0, 9, e41329.	1.2	1
2158	Gender differences in tuberculosis incidence rates—A pooled analysis of data from seven high-income countries by age group and time period. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	2
2159	Age-specific contribution of contacts to transmission of SARS-CoV-2 in Germany. <i>European Journal of Epidemiology</i> , 2023, 38, 39-58.	2.5	7
2160	Estimating the Risk of Contracting COVID-19 in Different Settings Using a Multiscale Transmission Dynamics Model. <i>Mathematics</i> , 2023, 11, 254.	1.1	6
2162	Optimal vaccination: various (counter) intuitive examples. <i>Journal of Mathematical Biology</i> , 2023, 86, .	0.8	1

#	ARTICLE	IF	CITATIONS
2163	Disentangling the causes of mumps reemergence in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	3
2164	Schools' Out? Simulating Schooling Strategies During COVID-19. Lecture Notes in Computer Science, 2023, , 95-106.	1.0	1
2166	Characterizing Human Collective Behaviors During COVID-19 in Hong Kong SAR, China, 2020. China CDC Weekly, 2023, 5, 71-75.	1.0	4
2167	The Hyperbolic Geometric Block Model and Networks with Latent and Explicit Geometries. Studies in Computational Intelligence, 2023, , 109-121.	0.7	0
2170	Characterisation of infection-induced SARS-CoV-2 seroprevalence amongst children and adolescents in North Carolina. Epidemiology and Infection, 2023, 151, .	1.0	1
2171	Integrative modelling of reported case numbers and seroprevalence reveals time-dependent test efficiency and infectious contacts. Epidemics, 2023, 43, 100681.	1.5	3
2172	On the contact tracing for COVID-19: A simulation study. Epidemics, 2023, 43, 100677.	1.5	2
2173	Household transmission dynamics of COVID-19 among residents of Delhi, India: a prospective case-ascertained study. IJID Regions, 2023, 7, 22-30.	0.5	0
2174	Modeling the potential health impacts of delayed strain selection on influenza hospitalization and mortality with mRNA vaccines. Vaccine: X, 2023, 14, 100287.	0.9	1
2175	Influence of age group in the spreading of fake news: contact matrices in social media. , 2022, , .		1
2176	Mathematical modeling of mpox: A scoping review. One Health, 2023, 16, 100540.	1.5	4
2177	Optimal strategies of the age-specific vaccination and antiviral treatment against influenza. Chaos, Solitons and Fractals, 2023, 168, 113199.	2.5	5
2178	Modeling framework unifying contact and social networks. Physical Review E, 2023, 107, .	0.8	1
2179	Estimating Changes in Contact Patterns in China Over the First Year of the COVID-19 Pandemic: Implications for SARS-CoV-2 Spread in Four Cities, China, 2020. China CDC Weekly, 2023, 5, 113-118.	1.0	0
2180	The impacts of SARS-CoV-2 vaccine dose separation and targeting on the COVID-19 epidemic in England. Nature Communications, 2023, 14, .	5.8	8
2181	Evaluation of the effectiveness of maternal immunization against pertussis in Alberta using agent-based modeling: A Canadian immunization research network study. Vaccine, 2023, 41, 2430-2438.	1.7	0
2182	Quantitative Analysis of the Effectiveness of Antigen- and Polymerase Chain Reaction-Based Combination Strategies for Containing COVID-19 Transmission in a Simulated Community. Engineering, 2023, , .	3.2	2
2184	Mathematical modeling of pneumococcal transmission dynamics in response to PCV13 infant vaccination in Germany predicts increasing IPD burden due to serotypes included in next-generation PCVs. PLoS ONE, 2023, 18, e0281261.	1.1	6

#	ARTICLE	IF	CITATIONS
2185	Caring for Adolescents and Young Adults With Tuberculosis or at Risk of Tuberculosis: Consensus Statement From an International Expert Panel. <i>Journal of Adolescent Health</i> , 2023, 72, 323-331.	1.2	2
2186	Simulating potential outbreaks of Delta and Omicron variants based on contact-tracing data: A modelling study in Fujian Province, China. <i>Infectious Disease Modelling</i> , 2023, 8, 270-281.	1.2	1
2187	Reducing societal impacts of SARS-CoV-2 interventions through subnational implementation. <i>ELife</i> , 0, 12, .	2.8	2
2188	The effect of variation of individual infectiousness on SARS-CoV-2 transmission in households. <i>ELife</i> , 0, 12, .	2.8	5
2189	Computational fluid dynamic analysis of corona virus patients breathing in an airplane. <i>Physics of Fluids</i> , 2023, 35, .	1.6	4
2190	Host factors. , 2023, , 93-119.		0
2192	Using real-time data to guide decision-making during an influenza pandemic: A modelling analysis. <i>PLoS Computational Biology</i> , 2023, 19, e1010893.	1.5	0
2195	Testing Whether Higher Contact Among the Vaccinated Can Be a Mechanism for Observed Negative Vaccine Effectiveness. <i>American Journal of Epidemiology</i> , 2023, 192, 1335-1340.	1.6	4
2196	Automatic case cluster detection using hospital electronic health record data. <i>Biology Methods and Protocols</i> , 2023, 8, .	1.0	0
2197	Front propagation in a spatial system of weakly interacting networks. <i>Physical Review E</i> , 2023, 107, .	0.8	1
2199	Cohort-based smoothing methods for age-specific contact rates. <i>Biostatistics</i> , 0, , .	0.9	1
2200	Influenza Vaccine Effectiveness Among Children: 2011â€“2020. <i>Pediatrics</i> , 2023, 151, .	1.0	3
2201	Review of animal transmission experiments of respiratory viruses: Implications for transmission risk of SARSâ€“CoVâ€“2 in humans via different routes. <i>Risk Analysis</i> , 0, , .	1.5	0
2202	Evaluating the Bayesian MRP Network Model for Estimating Heterogeneity in (Age-Stratified) Contact Patterns from Highly Selective Samples. <i>Springer Proceedings in Complexity</i> , 2023, , 108-119.	0.2	0
2203	Dynamics of non-household contacts during the COVID-19 pandemic in 2020 and 2021 in the Netherlands. <i>Scientific Reports</i> , 2023, 13, .	1.6	11
2204	Super-spreaders of novel coronaviruses that cause SARS, MERS and COVID-19: a systematic review. <i>Annals of Epidemiology</i> , 2023, 82, 66-76.e6.	0.9	1
2206	Disentangling the rhythms of human activity in the built environment for airborne transmission risk: An analysis of large-scale mobility data. <i>ELife</i> , 0, 12, .	2.8	6
2208	Social contact patterns relevant for infectious disease transmission in Cambodia. <i>Scientific Reports</i> , 2023, 13, .	1.6	2

#	ARTICLE	IF	CITATIONS
2209	Effect of risk status for severe COVID-19 on individual contact behaviour during the SARS-CoV-2 pandemic in 2020/2021—an analysis based on the German COVIMOD study. BMC Infectious Diseases, 2023, 23, .	1.3	0
2210	Contact patterns of UK home delivery drivers and their use of protective measures during the COVID-19 pandemic: a cross-sectional study. Occupational and Environmental Medicine, 2023, 80, 333-338.	1.3	0
2211	A survey on agents applications in healthcare: Opportunities, challenges and trends. Computer Methods and Programs in Biomedicine, 2023, 236, 107525.	2.6	2
2212	Do We Learn From Errors? The Economic Impact of Differentiated Policy Restrictions in Italy. International Regional Science Review, 2023, 46, 613-648.	1.0	3
2213	Segregated mobility patterns amplify neighborhood disparities in the spread of COVID-19. Network Science, 0, , 1-20.	0.8	0
2214	Colonization and transmission of Staphylococcus aureus in schools: a citizen science project. Microbial Genomics, 2023, 9, .	1.0	0
2215	Predicting norovirus and rotavirus resurgence in the United States following the COVID-19 pandemic: a mathematical modelling study. BMC Infectious Diseases, 2023, 23, .	1.3	5
2216	Scale-free dynamics of COVID-19 in a Brazilian city. Applied Mathematical Modelling, 2023, 121, 166-184.	2.2	4
2217	Where are the people? Counting people in millions of street-level images to explore associations between people's urban density and urban characteristics. Computers, Environment and Urban Systems, 2023, 102, 101971.	3.3	3
2234	Evolutionary implications of SARS-CoV-2 vaccination for the future design of vaccination strategies. Communications Medicine, 2023, 3, .	1.9	7
2259	Clustering of Countries Based on the Associated Social Contact Patterns in Epidemiological Modelling. , 2023, , 253-271.		0
2262	Community Protection. , 2023, , 1603-1624.e8.		0
2263	Inactivated and Recombinant Influenza Vaccines. , 2023, , 514-551.e31.		0
2294	Scabies Management in Institutions. , 2023, , 433-458.		1
2323	Agent-Based Modeling and Its Trade-Offs: An Introduction and Examples. Fields Institute Communications, 2023, , 209-242.	0.6	0
2324	Contact Matrices in Compartmental Disease Transmission Models. Fields Institute Communications, 2023, , 87-110.	0.6	0