Dennis L Chao

List of Publications by Year
in descending order

44 papers	2,876 citations	257101 24 h-index	264894 42 g-index
52 all docs	52 docs citations	52 times ranked	3668 citing authors

#	Article	IF	Citations
1	Rural prioritization may increase the impact of COVID-19 vaccines in a representative COVAX AMC country setting due to ongoing internal migration: A modeling study. PLOS Global Public Health, 2022, 2, e0000053.	0.5	1
2	A modular approach to integrating multiple data sources into real-time clinical prediction for pediatric diarrhea. ELife, 2021, 10, .	2.8	8
3	Mathematical modeling of endemic cholera transmission. Journal of Infectious Diseases, 2021, , .	1.9	1
4	Insights into population behavior during the COVID-19 pandemic from cell phone mobility data and manifold learning. Nature Computational Science, 2021, 1, 588-597.	3.8	26
5	Child mortality from sickle cell disease in Nigeria: a model-estimated, population-level analysis of data from the 2018 Demographic and Health Survey. Lancet Haematology,the, 2021, 8, e723-e731.	2.2	38
6	Achieving coordinated national immunity and cholera elimination in Haiti through vaccination: a modelling study. The Lancet Global Health, 2020, 8, e1081-e1089.	2.9	26
7	Caring for Africaâ€™s sickle cell children: will we rise to the challenge?. BMC Medicine, 2020, 18, 92.	2.3	30
8	The seasonality of diarrheal pathogens: A retrospective study of seven sites over three years. PLoS Neglected Tropical Diseases, 2019, 13, e0007211.	1.3	55
9	The impact and cost-effectiveness of controlling cholera through the use of oral cholera vaccines in urban Bangladesh: A disease modeling and economic analysis. PLoS Neglected Tropical Diseases, 2018, 12, e0006652.	1.3	23
10	Efficacy of a bivalent killed whole-cell cholera vaccine over five years: a re-analysis of a cluster-randomized trial. BMC Infectious Diseases, 2018, 18, 84.	1.3	9
11	Real-Time Assessment of the International Spreading Risk Associated with the 2014 West African Ebola Outbreak. , 2016, , 39-56.		5
12	Projected Impact of Dengue Vaccination in YucatÃ¡n, Mexico. PLoS Neglected Tropical Diseases, 2016, 10, e0004661.	1.3	44
13	Seasonality and the effectiveness of mass vaccination. Mathematical Biosciences and Engineering, 2016, 13, 249-259.	1.0	7
14	Spatiotemporal spread of the 2014 outbreak of Ebola virus disease in Liberia and the effectiveness of non-pharmaceutical interventions: a computational modelling analysis. Lancet Infectious Diseases, The, 2015, 15, 204-211.	4.6	226
15	Spatial Transmission of 2009 Pandemic Influenza in the US. PLoS Computational Biology, 2014, 10, e1003635.	1.5	139
16	Comparative Effectiveness of Different Strategies of Oral Cholera Vaccination in Bangladesh: A Modeling Study. PLoS Neglected Tropical Diseases, 2014, 8, e3343.	1.3	24
17	Evaluation of Targeted Mass Cholera Vaccination Strategies in Bangladesh: A Demonstration of a New Cost-Effectiveness Calculator. American Journal of Tropical Medicine and Hygiene, 2014, 91, 1181-1189.	0.6	23
18	Modeling the global transmission of antiviralâ€resistant influenza viruses. Influenza and Other Respiratory Viruses, 2013, 7, 58-62.	1.5	6

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19	Modeling Cholera Outbreaks. Current Topics in Microbiology and Immunology, 2013, 379, 195-209.	0.7	29
20	The Effects of Vector Movement and Distribution in a Mathematical Model of Dengue Transmission. PLoS ONE, 2013, 8, e76044.	1.1	23
21	Controlling Dengue with Vaccines in Thailand. PLoS Neglected Tropical Diseases, 2012, 6, e1876.	1.3	74
22	The global spread of drug-resistant influenza. Journal of the Royal Society Interface, 2012, 9, 648-656.	1.5	38
23	A Nice Day for an Infection? Weather Conditions and Social Contact Patterns Relevant to Influenza Transmission. PLoS ONE, 2012, 7, e48695.	1.1	83
24	Learning Oncogenic Pathways from Binary Genomic Instability Data. Biometrics, 2011, 67, 164-173.	0.8	10
25	Planning for the Control of Pandemic Influenza A (H1N1) in Los Angeles County and the United States. American Journal of Epidemiology, 2011, 173, 1121-1130.	1.6	26
26	Vaccination strategies for epidemic cholera in Haiti with implications for the developing world. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7081-7085.	3.3	143
27	The Global Transmission and Control of Influenza. PLoS ONE, 2011, 6, e19515.	1.1	66
28	School Opening Dates Predict Pandemic Influenza A(H1N1) Outbreaks in the United States. Journal of Infectious Diseases, 2010, 202, 877-880.	1.9	122
29	FluTE, a Publicly Available Stochastic Influenza Epidemic Simulation Model. PLoS Computational Biology, 2010, 6, e1000656.	1.5	287
30	Strategies for Pandemic and Seasonal Influenza Vaccination of Schoolchildren in the United States. American Journal of Epidemiology, 2009, 170, 679-686.	1.6	135
31	Chromosomal Instability and Copy Number Alterations in Barrett's Esophagus and Esophageal Adenocarcinoma. Clinical Cancer Research, 2009, 15, 3305-3314.	3.2	99
32	The Transmissibility and Control of Pandemic Influenza A (H1N1) Virus. Science, 2009, 326, 729-733.	6.0	486
33	Cell Proliferation, Cell Cycle Abnormalities, and Cancer Outcome in Patients with Barrett's Esophagus: A Long-term Prospective Study. Clinical Cancer Research, 2008, 14, 6988-6995.	3.2	60
34	Preneoplastic lesion growth driven by the death of adjacent normal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15034-15039.	3.3	36
35	Mutagen Sensitivity and Neoplastic Progression in Patients with Barrett's Esophagus: A Prospective Analysis. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 1935-1940.	1.1	32
36	The effects of thymic selection on the range of Tâ€„cell cross-reactivity. European Journal of Immunology, 2005, 35, 3452-3459.	1.6	27

#	Article	IF	Citations
37	Adaptive radio. , 2005, , .		65
38	Predicting the Impact of a Nonsterilizing Vaccine against Human Immunodeficiency Virus. Journal of Virology, 2004, 78, 11340-11351.	1.5	61
39	Computer games as interfaces. Interactions, 2004, 11, 71-72.	0.8	7
40	Modelling the impact of antigen kinetics on Tâ€cell activation and response. Immunology and Cell Biology, 2004, 82, 55-61.	1.0	10
41	A stochastic model of cytotoxic T cell responses. Journal of Theoretical Biology, 2004, 228, 227-240.	0.8	91
42	Information Immune Systems. Genetic Programming and Evolvable Machines, 2003, 4, 311-331.	1.5	35
43	Stochastic stage-structured modeling of the adaptive immune system. Proceedings, 2003, 2, 124-31.	0.1	4
44	Title is missing!. Journal of Chemical Ecology, 1998, 24, 2021-2037.	0.9	103