

Dennis L Chao

List of Publications by Year in descending order

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Version: 2024-02-01

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	The Transmissibility and Control of Pandemic Influenza A (H1N1) Virus. <i>Science</i> , 2009, 326, 729-733.	6.0	486
2	FluTE, a Publicly Available Stochastic Influenza Epidemic Simulation Model. <i>PLoS Computational Biology</i> , 2010, 6, e1000656.	1.5	287
3	Spatiotemporal spread of the 2014 outbreak of Ebola virus disease in Liberia and the effectiveness of non-pharmaceutical interventions: a computational modelling analysis. <i>Lancet Infectious Diseases</i> , 2015, 15, 204-211.	4.6	226
4	Vaccination strategies for epidemic cholera in Haiti with implications for the developing world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7081-7085.	3.3	143
5	Spatial Transmission of 2009 Pandemic Influenza in the US. <i>PLoS Computational Biology</i> , 2014, 10, e1003635.	1.5	139
6	Strategies for Pandemic and Seasonal Influenza Vaccination of Schoolchildren in the United States. <i>American Journal of Epidemiology</i> , 2009, 170, 679-686.	1.6	135
7	School Opening Dates Predict Pandemic Influenza A(H1N1) Outbreaks in the United States. <i>Journal of Infectious Diseases</i> , 2010, 202, 877-880.	1.9	122
8	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 2021-2037.	0.9	103
9	Chromosomal Instability and Copy Number Alterations in Barrett's Esophagus and Esophageal Adenocarcinoma. <i>Clinical Cancer Research</i> , 2009, 15, 3305-3314.	3.2	99
10	A stochastic model of cytotoxic T cell responses. <i>Journal of Theoretical Biology</i> , 2004, 228, 227-240.	0.8	91
11	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
12	Controlling Dengue with Vaccines in Thailand. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1876.	1.3	74
13	The Global Transmission and Control of Influenza. <i>PLoS ONE</i> , 2011, 6, e19515.	1.1	66
14	Adaptive radio. , 2005, , .		65
15	Predicting the Impact of a Nonsterilizing Vaccine against Human Immunodeficiency Virus. <i>Journal of Virology</i> , 2004, 78, 11340-11351.	1.5	61
16	Cell Proliferation, Cell Cycle Abnormalities, and Cancer Outcome in Patients with Barrett's Esophagus: A Long-term Prospective Study. <i>Clinical Cancer Research</i> , 2008, 14, 6988-6995.	3.2	60
17	The seasonality of diarrheal pathogens: A retrospective study of seven sites over three years. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007211.	1.3	55
18	Projected Impact of Dengue Vaccination in Yucatán, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004661.	1.3	44

#	ARTICLE	IF	CITATIONS
19	The global spread of drug-resistant influenza. <i>Journal of the Royal Society Interface</i> , 2012, 9, 648-656.	1.5	38
20	Child mortality from sickle cell disease in Nigeria: a model-estimated, population-level analysis of data from the 2018 Demographic and Health Survey. <i>Lancet Haematology</i> , 2021, 8, e723-e731.	2.2	38
21	Preneoplastic lesion growth driven by the death of adjacent normal stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15034-15039.	3.3	36
22	Information Immune Systems. <i>Genetic Programming and Evolvable Machines</i> , 2003, 4, 311-331.	1.5	35
23	Mutagen Sensitivity and Neoplastic Progression in Patients with Barrett's Esophagus: A Prospective Analysis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 1935-1940.	1.1	32
24	Caring for Africa's sickle cell children: will we rise to the challenge?. <i>BMC Medicine</i> , 2020, 18, 92.	2.3	30
25	Modeling Cholera Outbreaks. <i>Current Topics in Microbiology and Immunology</i> , 2013, 379, 195-209.	0.7	29
26	The effects of thymic selection on the range of T cell cross-reactivity. <i>European Journal of Immunology</i> , 2005, 35, 3452-3459.	1.6	27
27	Planning for the Control of Pandemic Influenza A (H1N1) in Los Angeles County and the United States. <i>American Journal of Epidemiology</i> , 2011, 173, 1121-1130.	1.6	26
28	Achieving coordinated national immunity and cholera elimination in Haiti through vaccination: a modelling study. <i>The Lancet Global Health</i> , 2020, 8, e1081-e1089.	2.9	26
29	Insights into population behavior during the COVID-19 pandemic from cell phone mobility data and manifold learning. <i>Nature Computational Science</i> , 2021, 1, 588-597.	3.8	26
30	Comparative Effectiveness of Different Strategies of Oral Cholera Vaccination in Bangladesh: A Modeling Study. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3343.	1.3	24
31	Evaluation of Targeted Mass Cholera Vaccination Strategies in Bangladesh: A Demonstration of a New Cost-Effectiveness Calculator. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 1181-1189.	0.6	23
32	The impact and cost-effectiveness of controlling cholera through the use of oral cholera vaccines in urban Bangladesh: A disease modeling and economic analysis. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006652.	1.3	23
33	The Effects of Vector Movement and Distribution in a Mathematical Model of Dengue Transmission. <i>PLoS ONE</i> , 2013, 8, e76044.	1.1	23
34	Modelling the impact of antigen kinetics on T cell activation and response. <i>Immunology and Cell Biology</i> , 2004, 82, 55-61.	1.0	10
35	Learning Oncogenic Pathways from Binary Genomic Instability Data. <i>Biometrics</i> , 2011, 67, 164-173.	0.8	10
36	Efficacy of a bivalent killed whole-cell cholera vaccine over five years: a re-analysis of a cluster-randomized trial. <i>BMC Infectious Diseases</i> , 2018, 18, 84.	1.3	9

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37	A modular approach to integrating multiple data sources into real-time clinical prediction for pediatric diarrhea. <i>ELife</i> , 2021, 10, .	2.8	8
38	Computer games as interfaces. <i>Interactions</i> , 2004, 11, 71-72.	0.8	7
39	Seasonality and the effectiveness of mass vaccination. <i>Mathematical Biosciences and Engineering</i> , 2016, 13, 249-259.	1.0	7
40	Modeling the global transmission of antiviral-resistant influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 58-62.	1.5	6
41	Real-Time Assessment of the International Spreading Risk Associated with the 2014 West African Ebola Outbreak. , 2016, , 39-56.		5
42	Stochastic stage-structured modeling of the adaptive immune system. <i>Proceedings</i> , 2003, 2, 124-31.	0.1	4
43	Mathematical modeling of endemic cholera transmission. <i>Journal of Infectious Diseases</i> , 2021, , .	1.9	1
44	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. <i>PLOS Global Public Health</i> , 2022, 2, e0000053.	0.5	1