Helen J Wearing

List of Publications by Year
in descending order

38	1,915	394286	345118
papers	citations	19 h-index	36 g-index

41	41	41	2848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Streamlining physiologicallyâ€based pharmacokinetic model design for intravenous delivery of nanoparticle drugs. CPT: Pharmacometrics and Systems Pharmacology, 2022, , .	1.3	2
2	Distinguishing viruses responsible for influenza-like illness. Journal of Theoretical Biology, 2022, 545, 111145.	0.8	14
3	Modeling schistosomiasis transmission: the importance of snail population structure. Parasites and Vectors, 2021, 14, 94.	1.0	7
4	Age-structured vectorial capacity reveals timing, not magnitude of within-mosquito dynamics is critical for arbovirus fitness assessment. Parasites and Vectors, 2020, 13, 310.	1.0	23
5	Evolutionary consequences of feedbacks between within-host competition and disease control. Evolution, Medicine and Public Health, 2020, 2020, 30-34.	1.1	7
6	Metabolic asymmetry and the global diversity of marine predators. Science, 2019, 363, .	6.0	81
7	Temperature impacts on dengue emergence in the United States: Investigating the role of seasonality and climate change. Epidemics, 2019, 28, 100344.	1.5	40
8	Antagonism between parasites within snail hosts impacts the transmission of human schistosomiasis. ELife, 2019, 8, .	2.8	29
9	VILLAGE GROWTH, EMERGING INFECTIOUS DISEASE, AND THE END OF THE NEOLITHIC DEMOGRAPHIC TRANSITION IN THE SOUTHWEST UNITED STATES AND NORTHWEST MEXICO. American Antiquity, 2018, 83, 263-280.	0.6	9
10	Optimizing homeostatic cell renewal in hierarchical tissues. PLoS Computational Biology, 2018, 14, e1005967.	1.5	9
11	Evidence of cryptic incidence in childhood diseases. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171268.	1.2	8
12	Dengue and chikungunya: modelling the expansion of mosquito-borne viruses into naÃ¯ve populations. Parasitology, 2016, 143, 860-873.	0.7	12
13	Bridging the Gap Between Experimental Data and Model Parameterization for Chikungunya Virus Transmission Predictions. Journal of Infectious Diseases, 2016, 214, S466-S470.	1.9	16
14	Mathematical Modeling of Pertussis Cocooning: The Effect of Prenatal Vaccination on Disease Dynamics. Open Forum Infectious Diseases, 2016, 3, .	0.4	0
15	Incomplete Protection against Dengue Virus Type 2 Re-infection in Peru. PLoS Neglected Tropical Diseases, 2016, 10, e0004398.	1.3	85
16	Modeling Mosquito-Borne Disease Spread in U.S. Urbanized Areas: The Case of Dengue in Miami. PLoS ONE, 2016, 11, e0161365.	1.1	33
17	Long-Term and Seasonal Dynamics of Dengue in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2014, 8, e3003.	1.3	96
18	Conserved patterns of incomplete reporting in pre-vaccine era childhood diseases. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140886.	1.2	6

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19	Characterizing the likelihood of dengue emergence and detection in naÃ¨ve populations. Parasites and Vectors, 2014, 7, 282.	1.0	20
20	Comparing dengue and chikungunya emergence and endemic transmission in A. aegypti and A. albopictus. Journal of Theoretical Biology, 2014, 356, 174-191.	0.8	139
21	Chikungunya Viral Fitness Measures within the Vector and Subsequent Transmission Potential. PLoS ONE, 2014, 9, e110538.	1.1	32
22	Probabilistic measures of persistence and extinction in measles (meta)populations. Ecology Letters, 2013, 16, 985-994.	3.0	13
23	Assessing the Potential of a Candidate Dengue Vaccine with Mathematical Modeling. PLoS Neglected Tropical Diseases, 2012, 6, e1450.	1.3	31
24	Chapter Three. Understanding Host- Multipathogen Systems: Modeling the Interaction Between Ecology and Immunology. , 2010, , 48-70.		1
25	Persistence of Pathogens with Short Infectious Periods in Seasonal Tick Populations: The Relative Importance of Three Transmission Routes. PLoS ONE, 2010, 5, e11745.	1.1	39
26	Estimating the Duration of Pertussis Immunity Using Epidemiological Signatures. PLoS Pathogens, 2009, 5, e1000647.	2.1	124
27	Tracking the dynamics of pathogen interactions: Modeling ecological and immune-mediated processes in a two-pathogen single-host system. Journal of Theoretical Biology, 2007, 245, 9-25.	0.8	42
28	Two-species asymmetric competition: effects of age structure on intra- and interspecific interactions. Journal of Animal Ecology, 2007, 76, 83-93.	1.3	50
29	Ecological and immunological determinants of dengue epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11802-11807.	3.3	278
30	A koinobiont parasitoid mediates competition and generates additive mortality in healthy host populations. Oikos, 2005, 110, 620-628.	1.2	13
31	Appropriate Models for the Management of Infectious Diseases. PLoS Medicine, 2005, 2, e174.	3.9	407
32	The Dynamical Consequences of Developmental Variability and Demographic Stochasticity for Hostâ€Parasitoid Interactions. American Naturalist, 2004, 164, 543-558.	1.0	19
33	Stage-structured competition and the cyclic dynamics of host-parasitoid populations. Journal of Animal Ecology, 2004, 73, 706-722.	1.3	26
34	Natural enemy specialization and the period of population cycles. Ecology Letters, 2003, 6, 381-384.	3.0	13
35	Nonlinear Analysis of Juxtacrine Patterns. SIAM Journal on Applied Mathematics, 2001, 62, 283-309.	0.8	15
36	Mathematical Modelling of Juxtacrine Patterning. Bulletin of Mathematical Biology, 2000, 62, 293-320.	0.9	59

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37	Lateral Induction by Juxtacrine Signaling Is a New Mechanism for Pattern Formation. Developmental Biology, 2000, 217, 54-61.	0.9	64
38	Keratinocyte growth factor signalling: a mathematical model of dermalâ€“epidermal interaction in epidermal wound healing. Mathematical Biosciences, 2000, 165, 41-62.	0.9	53