# CITATION REPORT List of articles citing

A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970-2010

DOI: 10.1098/rsif.2012.0921 Journal of the Royal Society Interface, 2013, 10, 20120921.

Source: https://exaly.com/paper-pdf/56009584/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
281	Modelling in infectious diseases: between haphazard and hazard. <b>2013</b> , 19, 993-8		11
280	Estimating malaria transmission through mathematical models. 2013, 29, 477-82		11
279	A realistic host-vector transmission model for describing malaria prevalence pattern. <i>Bulletin of Mathematical Biology</i> , <b>2013</b> , 75, 2499-528	2.1	5
278	Vector-virus interactions and transmission dynamics of West Nile virus. <b>2013</b> , 5, 3021-47		89
277	Reaction-diffusion generic model for mosquito-borne diseases. 2013,		1
276	Modelling adult Aedes aegypti and Aedes albopictus survival at different temperatures in laboratory and field settings. <b>2013</b> , 6, 351		256
275	Foreseeing the future in infectious diseases: can we?. <b>2013</b> , 19, 991-2		1
274	Heterogeneity, mixing, and the spatial scales of mosquito-borne pathogen transmission. <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1003327	5	99
273	Modelling co-infection with malaria and lymphatic filariasis. <i>PLoS Computational Biology</i> , <b>2013</b> , 9, e1003	1096	20
272	Climate change and public health policy: translating the science. <b>2013</b> , 11, 13-29		18
271	Predictive modeling of West Nile virus transmission risk in the Mediterranean Basin: how far from landing?. <b>2013</b> , 11, 67-90		30
270	Modelling the contribution of the hypnozoite reservoir to Plasmodium vivax transmission. <i>ELife</i> , <b>2014</b> , 3,	8.9	65
269	Sheß a femme fatale: low-density larval development produces good disease vectors. <b>2014</b> , 109, 1070-	7	30
268	When climate change couples social neglect: malaria dynamics in Panam□ <b>2014</b> , 3, e27		21
267	Determinants of heterogeneous blood feeding patterns by Aedes aegypti in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2702	4.8	47
266	Shifting patterns of Aedes aegypti fine scale spatial clustering in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e3038	4.8	41
265	Recasting the theory of mosquito-borne pathogen transmission dynamics and control. <b>2014</b> , 108, 185-9	7	110

## (2015-2014)

264	Made-to-measure malaria vector control strategies: rational design based on insecticide properties and coverage of blood resources for mosquitoes. <b>2014</b> , 13, 146	43
263	The impact of heterogeneous transmission on the establishment and spread of antimalarial drug resistance. <b>2014</b> , 340, 177-85	10
262	A comparison of five malaria transmission models: benchmark tests and implications for disease control. <b>2014</b> , 13, 268	17
261	A global assembly of adult female mosquito mark-release-recapture data to inform the control of mosquito-borne pathogens. <b>2014</b> , 7, 276	78
260	Global temperature constraints on Aedes aegypti and Ae. albopictus persistence and competence for dengue virus transmission. <b>2014</b> , 7, 338	212
259	Framework for rapid assessment and adoption of new vector control tools. <b>2014</b> , 30, 191-204	38
258	Air temperature suitability for Plasmodium falciparum malaria transmission in Africa 2000-2012: a high-resolution spatiotemporal prediction. <b>2014</b> , 13, 171	51
257	Socially structured human movement shapes dengue transmission despite the diffusive effect of mosquito dispersal. <b>2014</b> , 6, 30-6	84
256	Comparing dengue and chikungunya emergence and endemic transmission in A. aegypti and A. albopictus. <b>2014</b> , 356, 174-91	104
255	Time-varying, serotype-specific force of infection of dengue virus. <b>2014</b> , 111, E2694-702	87
254	From puddles to planet: modeling approaches to vector-borne diseases at varying resolution and scale. <b>2015</b> , 10, 118-123	4
253	The ecological foundations of transmission potential and vector-borne disease in urban landscapes. <b>2015</b> , 29, 889-901	103
252	Malaria Models with Spatial Effects. <b>2015</b> , 109-136	1
251	Seasonality of Plasmodium falciparum transmission: a systematic review. <b>2015</b> , 14, 343	41
250	Mosquito age and avian malaria infection. <b>2015</b> , 14, 383	19
249	Understanding West Nile virus ecology in Europe: Culex pipiens host feeding preference in a hotspot of virus emergence. <b>2015</b> , 8, 213	66
248	Bayesian calibration of simulation models for supporting management of the elimination of the macroparasitic disease, Lymphatic Filariasis. <b>2015</b> , 8, 522	28
247	Modelling Anopheles gambiae s.s. Population Dynamics with Temperature- and Age-Dependent Survival. <b>2015</b> , 12, 5975-6005	14

246	Computational Studies of the Intestinal Host-Microbiota Interactome. <b>2015</b> , 3, 2-28		5
245	Spatial heterogeneity, host movement and mosquito-borne disease transmission. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127552	3.7	33
244	A Stochastic Model to Study Rift Valley Fever Persistence with Different Seasonal Patterns of Vector Abundance: New Insights on the Endemicity in the Tropical Island of Mayotte. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130838	3.7	13
243	Weather Regulates Location, Timing, and Intensity of Dengue Virus Transmission between Humans and Mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003957	4.8	26
242	Silver Nanoparticles for the Control of Vector-Borne Infections. <b>2015</b> , 39-49		1
241	Mathematical models of human african trypanosomiasis epidemiology. <b>2015</b> , 87, 53-133		22
240	Temperature and population density determine reservoir regions of seasonal persistence in highland malaria. <b>2015</b> , 282, 20151383		18
239	Evidence for carry-over effects of predator exposure on pathogen transmission potential. <b>2015</b> , 282, 20152430		34
238	Persistent oscillations and backward bifurcation in a malaria model with varying human and mosquito populations: implications for control. <i>Journal of Mathematical Biology</i> , <b>2015</b> , 70, 1581-622	2	24
237	Climate influences on the cost-effectiveness of vector-based interventions against malaria in elimination scenarios. <b>2015</b> , 370,		12
236	A generic weather-driven model to predict mosquito population dynamics applied to species of Anopheles, Culex and Aedes genera of southern France. <b>2015</b> , 120, 39-50		14
235	Climate, environmental and socio-economic change: weighing up the balance in vector-borne disease transmission. <b>2015</b> , 370,		151
234	Evidence that implicit assumptions of Rho evolutionRof disease vectors in changing environments can be violated on a rapid timescale. <b>2015</b> , 370,		23
233	A network-patch methodology for adapting agent-based models for directly transmitted disease to mosquito-borne disease. <b>2015</b> , 9, 52-72		25
232	Identification of proteins associated with pyrethroid resistance by iTRAQ-based quantitative proteomic analysis in Culex pipiens pallens. <b>2015</b> , 8, 95		29
231	Modeling infectious disease dynamics in the complex landscape of global health. <b>2015</b> , 347, aaa4339		324
230	Models for the effects of host movement in vector-borne disease systems. <b>2015</b> , 270, 192-7		10
229	Seven challenges for modelling indirect transmission: vector-borne diseases, macroparasites and neglected tropical diseases. <b>2015</b> , 10, 16-20		36

## (2016-2015)

228	The role of heterogeneity on the invasion probability of mosquito-borne diseases in multi-host models. <b>2015</b> , 377, 25-35		6
227	R0 for vector-borne diseases: impact of the assumption for the duration of the extrinsic incubation period. <b>2015</b> , 15, 215-7		4
226	Modelling challenges in context: lessons from malaria, HIV, and tuberculosis. <b>2015</b> , 10, 102-7		7
225	Adult vector control, mosquito ecology and malaria transmission. <b>2015</b> , 7, 121-9		24
224	Dengue disease outbreak definitions are implicitly variable. <b>2015</b> , 11, 92-102		54
223	Defining the relationship between infection prevalence and clinical incidence of Plasmodium falciparum malaria. <b>2015</b> , 6, 8170		52
222	Vaccine approaches to malaria control and elimination: Insights from mathematical models. <b>2015</b> , 33, 7544-50		11
221	Malaria genotyping for epidemiologic surveillance. <b>2015</b> , 112, 6782-3		14
220	Review of mass drug administration for malaria and its operational challenges. <b>2015</b> , 93, 125-134		144
219	Towards a resource-based habitat approach for spatial modelling of vector-borne disease risks. <b>2015</b> , 90, 1151-62		39
218	DengueME: A Tool for the Modeling and Simulation of Dengue Spatiotemporal Dynamics. <b>2016</b> , 13,		14
217	Early Detection for Dengue Using Local Indicator of Spatial Association (LISA) Analysis. <b>2016</b> , 4,		11
216	Spatial Modelling Tools to Integrate Public Health and Environmental Science, Illustrated with Infectious Cryptosporidiosis. <b>2016</b> , 13, 186		5
215	The Interaction between Vector Life History and Short Vector Life in Vector-Borne Disease Transmission and Control. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004837	5	18
214	Potential Risk of Dengue and Chikungunya Outbreaks in Northern Italy Based on a Population Model of Aedes albopictus (Diptera: Culicidae). <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004762	4.8	24
213	Comparative Analysis of Dengue and Zika Outbreaks Reveals Differences by Setting and Virus. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005173	4.8	56
212	Effect of Spatial Repellent Exposure on Dengue Vector Attraction to Oviposition Sites. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004850	4.8	17
211	Evaluating the performance of infectious disease forecasts: A comparison of climate-driven and seasonal dengue forecasts for Mexico. <i>Scientific Reports</i> , <b>2016</b> , 6, 33707	4.9	57

210	Dengue and chikungunya: modelling the expansion of mosquito-borne viruses into nawe populations. <b>2016</b> , 143, 860-873	7
209	A combined within-host and between-hosts modelling framework for the evolution of resistance to antimalarial drugs. <i>Journal of the Royal Society Interface</i> , <b>2016</b> , 13,	25
208	Modeling the Response of Anopheles gambiae (Diptera: Culicidae) Populations in the Kenya Highlands to a Rise in Mean Annual Temperature. <b>2017</b> , 54, 299-311	3
207	Estimation of Zika virus prevalence by appearance of microcephaly. <b>2016</b> , 16, 754	11
206	Plasmodium knowlesi transmission: integrating quantitative approaches from epidemiology and ecology to understand malaria as a zoonosis. <b>2016</b> , 143, 389-400	32
205	Climate Change and the Biology of Insect Vectors of Human Pathogens. <b>2016</b> , 126-147	2
204	Identification of protease m1 zinc metalloprotease conferring resistance to deltamethrin by characterization of an AFLP marker in Culex pipiens pallens. <b>2016</b> , 9, 172	10
203	Zika threatens to become a huge worldwide pandemic. <b>2016</b> , 6, 520-527	9
202	Evaluating the usefulness of paratransgenesis for malaria control. <b>2016</b> , 277, 117-25	6
201	Modelling the effects of malaria infection on mosquito biting behaviour and attractiveness of humans. <b>2016</b> , 65, 329-346	18
200	Climate forcing and infectious disease transmission in urban landscapes: integrating demographic and socioeconomic heterogeneity. <b>2016</b> , 1382, 44-55	11
199	Ecological effects on arbovirus-mosquito cycles of transmission. <b>2016</b> , 21, 124-131	13
198	Complexity of virus-vector interactions. <b>2016</b> , 21, 81-86	28
197	Model-based projections of Zika virus infections in childbearing women in the Americas. <b>2016</b> , 1, 16126	103
196	Onchocerciasis transmission in Ghana: the human blood index of sibling species of the Simulium damnosum complex. <b>2016</b> , 9, 432	9
195	Life-table studies revealed significant effects of deforestation on the development and survivorship of Anopheles minimus larvae. <b>2016</b> , 9, 323	13
194	Transmission Dynamics of Rhodesian Sleeping Sickness at the Interface of Wildlife and Livestock Areas. <b>2016</b> , 32, 608-621	14
193	Partitioning the contributions of alternative malaria vector species. <b>2016</b> , 15, 60	1

192	Leading indicators of mosquito-borne disease elimination. <b>2016</b> , 9, 269-286	23
191	Dynamic Transmission Economic Evaluation of Infectious Disease Interventions in Low- and Middle-Income Countries: A Systematic Literature Review. <b>2016</b> , 25 Suppl 1, 124-39	22
190	Vectorial capacity and vector control: reconsidering sensitivity to parameters for malaria elimination. <b>2016</b> , 110, 107-17	96
189	Mechanistic Models of Infectious Disease and Their Impact on Public Health. <b>2016</b> , 183, 415-22	31
188	Comparative transcriptome analyses of deltamethrin-susceptible and -resistant Culex pipiens pallens by RNA-seq. <b>2016</b> , 291, 309-21	32
187	Optimal control of a malaria model with asymptomatic class and superinfection. <b>2017</b> , 288, 94-108	22
186	West Nile virus and its vectors. <b>2017</b> , 22, 28-36	25
185	How does within-host dynamics affect population-level dynamics? Insights from an immuno-epidemiological model of malaria. <i>Mathematical Methods in the Applied Sciences</i> , <b>2017</b> , 40, 6424 <sup>2</sup> 6 <sup>3</sup> 450	) <sup>18</sup>
184	Retracing Zikaß footsteps across the Americas with computational modeling. 2017, 114, 5558-5560	12
183	Malaria Modeling in the Era of Eradication. <b>2017</b> , 7,	12
182	Understanding epidemics from mathematical models: Details of the 2010 dengue epidemic in Bello (Antioquia, Colombia). <b>2017</b> , 43, 566-578	16
181	Analysis of the optimal vaccination age for dengue in Brazil with a tetravalent dengue vaccine. <b>2017</b> , 294, 15-32	14
180	An ecological and digital epidemiology analysis on the role of human behavior on the 2014 Chikungunya outbreak in Martinique. <i>Scientific Reports</i> , <b>2017</b> , 7, 5967 4-9	15
179	Assessing the impact of imperfect adherence to artemether-lumefantrine on malaria treatment outcomes using within-host modelling. <b>2017</b> , 8, 1373	13
178	An individual-level network model for a hypothetical outbreak of Japanese encephalitis in the USA. <b>2017</b> , 31, 353-367	9
177	A large-scale stochastic spatiotemporal model for Aedes albopictus-borne chikungunya epidemiology. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174293	7
176	Reduction of Mosquito Abundance Via Indoor Wall Treatments: A Mathematical Model. <b>2018</b> , 55, 833-845	4
175	Modeling Vector-Borne Diseases in a Commoditized Landscape. <b>2018</b> , 17-38	

174	Mathematical modeling of climate change and malaria transmission dynamics: a historical review. Journal of Mathematical Biology, <b>2018</b> , 77, 857-933	2	44
173	Spatiotemporal incidence of Zika and associated environmental drivers for the 2015-2016 epidemic in Colombia. <b>2018</b> , 5, 180073		14
172	Medical and entomological malarial interventions, a comparison and synergy of two control measures using a Ross/Macdonald model variant and openmalaria simulation. <b>2018</b> , 300, 187-200		4
171	Phylogenetic signature of lateral exchange of genes for antibiotic production and resistance among bacteria highlights a pattern of global transmission of pathogens between humans and livestock. <b>2018</b> , 125, 255-264		6
170	Models of Disease Vector Control: When Can Aggressive Initial Intervention Lower Long-Term Cost?. <i>Bulletin of Mathematical Biology</i> , <b>2018</b> , 80, 788-824	2.1	6
169	The spatiotemporal transmission of dengue and its driving mechanism: A case study on the 2014 dengue outbreak in Guangdong, China. <b>2018</b> , 622-623, 252-259		24
168	Ross River Virus and the Necessity of Multiscale, Eco-epidemiological Analyses. <b>2018</b> , 217, 807-815		10
167	Environmental Determinants of Malaria Transmission Around the Koka Reservoir in Ethiopia. <b>2018</b> , 2, 104-115		8
166	Comparative analysis of dengue versus chikungunya outbreaks in Costa Rica. 2018, 67, 163-174		3
165	Plasmodium knowlesi invasion following spread by infected mosquitoes, macaques and humans. <b>2018</b> , 145, 101-110		12
164	Inferences about spatiotemporal variation in dengue virus transmission are sensitive to assumptions about human mobility: a case study using geolocated tweets from Lahore, Pakistan. <b>2018</b> , 7, 16		25
163	Prevention of malaria transmission around reservoirs: an observational and modelling study on the effect of wind direction and village location. <i>Lancet Planetary Health, The</i> , <b>2018</b> , 2, e406-e413	9.8	8
162	Robustness of the reproductive number estimates in vector-borne disease systems. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006999	4.8	2
161	Modelling the impact of insecticide-based control interventions on the evolution of insecticide resistance and disease transmission. <b>2018</b> , 11, 482		12
160	Impact of human-human contagions in the spread of vector-borne diseases. 2018, 227, 661-672		1
159	Mapping malaria by combining parasite genomic and epidemiologic data. <b>2018</b> , 16, 190		41
158	Local and regional dynamics of chikungunya virus transmission in Colombia: the role of mismatched spatial heterogeneity. <b>2018</b> , 16, 152		9
157	Carry-over effects of urban larval environments on the transmission potential of dengue-2 virus. <b>2018</b> , 11, 426		11

156	Practical unidentifiability of a simple vector-borne disease model: Implications for parameter estimation and intervention assessment. <b>2018</b> , 25, 89-100	22
155	Modeling spatial risk of zoonotic cutaneous leishmaniasis in Central Iran. <b>2018</b> , 185, 327-335	10
154	Public Health Surveillance with Incomplete Data Espatio-Temporal Imputation for Inferring Infectious Disease Dynamics. <b>2018</b> ,	1
153	Stochastic lattice-based modelling of malaria dynamics. <b>2018</b> , 17, 250	5
152	Epidemiological significance of dengue virus genetic variation in mosquito infection dynamics. <b>2018</b> , 14, e1007187	26
151	Modeling the Heterogeneity of Dengue Transmission in a City. <b>2018</b> , 15,	9
150	Mathematical and computational approaches in understanding the immunobiology of granulomatous diseases. <b>2018</b> , 12, 1-11	4
149	Modelling and observing the role of wind in Anopheles population dynamics around a reservoir. <b>2018</b> , 17, 48	10
148	Culex pipiens pallens cuticular protein CPLCG5 participates in pyrethroid resistance by forming a rigid matrix. <b>2018</b> , 11, 6	30
147	Dynamic modelling of personal protection control strategies for vector-borne disease limits the role of diversity amplification. <i>Journal of the Royal Society Interface</i> , <b>2018</b> , 15,	5
146	Agent-based models of malaria transmission: a systematic review. <b>2018</b> , 17, 299	26
145	Mosquito-borne transmission in urban landscapes: the missing link between vector abundance and human density. <b>2018</b> , 285,	18
144	State estimators for some epidemiological systems. <i>Journal of Mathematical Biology</i> , <b>2019</b> , 78, 225-256 2	14
143	Fine-scale modelling finds that breeding site fragmentation can reduce mosquito population persistence. <i>Communications Biology</i> , <b>2019</b> , 2, 273	6
142	Theory of reactive interventions in the elimination and control of malaria. 2019, 18, 266	8
141	Downgrading disease transmission risk estimates using terminal importations. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007395	6
140	Thermal biology of mosquito-borne disease. <b>2019</b> , 22, 1690-1708	143
139	Modeling the population impacts of avian malaria on Hawaiian honeycreepers: Bifurcation analysis and implications for conservation. <b>2019</b> , 318, 108268	1

138	Modeling Temperature Effects on Population Density of the Dengue Mosquito. 2019, 10,	4
137	Heterogeneous local dynamics revealed by classification analysis of spatially disaggregated time series data. <b>2019</b> , 29, 100357	7
136	Habitat fragmentation promotes malaria persistence. <i>Journal of Mathematical Biology</i> , <b>2019</b> , 79, 2255-2280	13
135	Modeling and analyzing dynamics of malaria transmission with host immunity. <b>2019</b> , 12, 1950074	4
134	Weather-driven malaria transmission model with gonotrophic and sporogonic cycles. 2019, 13, 288-324	15
133	Synergy and timing: a concurrent mass medical campaign predicted to augment indoor residual spraying for malaria. <b>2019</b> , 18, 160	5
132	An operational machine learning approach to predict mosquito abundance based on socioeconomic and landscape patterns. <b>2019</b> , 34, 1295-1311	10
131	Inter-outbreak stability reflects the size of the susceptible pool and forecasts magnitudes of seasonal epidemics. <b>2019</b> , 10, 2374	20
130	Sex-Specific Asymmetrical Attack Rates in Combined Sexual-Vectorial Transmission Epidemics. <b>2019</b> , 7,	1
129	Forecasting Zoonotic Infectious Disease Response to Climate Change: Mosquito Vectors and a Changing Environment. <b>2019</b> , 6,	39
129		39
	Changing Environment. <b>2019</b> , 6,	<ul><li>39</li><li>9</li></ul>
128	Changing Environment. 2019, 6,  References. 2019, 237-245  Critical transitions in malaria transmission models are consistently generated by superinfection.	
128	Changing Environment. 2019, 6,  References. 2019, 237-245  Critical transitions in malaria transmission models are consistently generated by superinfection. 2019, 374, 20180275  Vector competence, vectorial capacity of Nyssorhynchus darlingi and the basic reproduction number of Plasmodium vivax in agricultural settlements in the Amazonian Region of Brazil. 2019,	9
128 127 126	Changing Environment. 2019, 6,  References. 2019, 237-245  Critical transitions in malaria transmission models are consistently generated by superinfection. 2019, 374, 20180275  Vector competence, vectorial capacity of Nyssorhynchus darlingi and the basic reproduction number of Plasmodium vivax in agricultural settlements in the Amazonian Region of Brazil. 2019, 18, 117	9 21
128 127 126	Critical transitions in malaria transmission models are consistently generated by superinfection.  2019, 374, 20180275  Vector competence, vectorial capacity of Nyssorhynchus darlingi and the basic reproduction number of Plasmodium vivax in agricultural settlements in the Amazonian Region of Brazil. 2019, 18, 117  The Role of Vertical Transmission in the Control of Dengue Fever. 2019, 16,  Effectiveness of Ultra-Low Volume insecticide spraying to prevent dengue in a non-endemic	9 21 4
128 127 126 125	Critical transitions in malaria transmission models are consistently generated by superinfection.  2019, 374, 20180275  Vector competence, vectorial capacity of Nyssorhynchus darlingi and the basic reproduction number of Plasmodium vivax in agricultural settlements in the Amazonian Region of Brazil. 2019, 18, 117  The Role of Vertical Transmission in the Control of Dengue Fever. 2019, 16,  Effectiveness of Ultra-Low Volume insecticide spraying to prevent dengue in a non-endemic metropolitan area of Brazil. PLoS Computational Biology, 2019, 15, e1006831  Uncovering mechanisms behind mosquito seasonality by integrating mathematical models and	9 21 4 9

#### (2020-2019)

120	An alternative model to explain the vectorial capacity using as example case in dengue transmission. <b>2019</b> , 5, e02577	3
119	The effect of reinfection with the same serotype on dengue transmission dynamics. <b>2019</b> , 349, 62-80	16
118	Fogarty International Center collaborative networks in infectious disease modeling: Lessons learnt in research and capacity building. <b>2019</b> , 26, 116-127	10
117	Dengue modeling in rural Cambodia: Statistical performance versus epidemiological relevance. <b>2019</b> , 26, 43-57	6
116	Effects of human mobility, temperature and mosquito control on the spatiotemporal transmission of dengue. <b>2019</b> , 651, 969-978	25
115	The Global Expansion of Dengue: How Mosquitoes Enabled the First Pandemic Arbovirus. <b>2020</b> , 65, 191-208	86
114	Reviewing age-structured epidemiological models of cattle diseases tailored to support management decisions: Guidance for the future. <b>2020</b> , 174, 104814	4
113	Global dynamic analysis of a model for vector-borne diseases on bipartite networks. <i>Physica A:</i> Statistical Mechanics and Its Applications, <b>2020</b> , 545, 123813  3.3	2
112	Temperature-dependent variation in the extrinsic incubation period elevates the risk of vector-borne disease emergence. <b>2019</b> , 30, 100382	16
111	Neglected Urban Villages in Current Vector Surveillance System: Evidences in Guangzhou, China. <b>2019</b> , 17,	3
110	Some simple rules for estimating reproduction numbers in the presence of reservoir exposure or imported cases. <b>2020</b> , 134, 182-194	2
109	Ross-Macdonald models: Which one should we use?. <b>2020</b> , 207, 105452	2
108	The impact of within-vector parasite development on the extrinsic incubation period. <b>2020</b> , 7, 192173	6
107	Outbreak response intervention models of vaccine-preventable diseases in humans and foot-and-mouth disease in livestock: a protocol for a systematic review. <b>2020</b> , 10, e036172	Ο
106	Age influences the thermal suitability of transmission in the Asian malaria vector. <b>2020</b> , 287, 20201093	11
105	Effects of Mosquito Biology on Modeled Chikungunya Virus Invasion Potential in Florida. <b>2020</b> , 12,	1
104	Effect of Serotype and Strain Diversity on Dengue Virus Replication in Australian Mosquito Vectors. <i>Pathogens</i> , <b>2020</b> , 9,	6
103	Increased mosquito abundance and species richness in Connecticut, United States 2001-2019.  Scientific Reports, <b>2020</b> , 10, 19287  4-9	2

102	Accounting for regional transmission variability and the impact of malaria control interventions in Ghana: a population level mathematical modelling approach. <b>2020</b> , 19, 423		0
101	Hidden heterogeneity and its influence on dengue vaccination impact. <b>2020</b> , 5, 783-797		2
100	AN IMMUNO-EPIDEMIOLOGICAL VECTORHOST MODEL WITH WITHIN-VECTOR VIRAL KINETICS. <b>2020</b> , 28, 233-275		2
99	Using the intrinsic growth rate of the mosquito population improves spatio-temporal dengue risk estimation. <b>2020</b> , 208, 105519		4
98	Multi-scale dynamics of infectious diseases. <b>2020</b> , 10, 20190118		3
97	Sensitivity, uncertainty and identifiability analyses to define a dengue transmission model with real data of an endemic municipality of Colombia. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229668	3.7	O
96	Linking Mosquito Ecology, Traits, Behavior, and Disease Transmission. <b>2020</b> , 36, 393-403		10
95	The Role of Vector Trait Variation in Vector-Borne Disease Dynamics. 2020, 8,		19
94	Mathematical Analysis of the Ross-Macdonald Model with Quarantine. <i>Bulletin of Mathematical Biology</i> , <b>2020</b> , 82, 47	2.1	5
93	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1007446	5	5
92	Dispersal of female and male Aedes aegypti from discarded container habitats using a stable isotope mark-capture study design in South Texas. <i>Scientific Reports</i> , <b>2020</b> , 10, 6803	4.9	9
91	The importance of density dependence in juvenile mosquito development and survival: A model-based investigation. <b>2021</b> , 440, 109357		1
90	Mathematical modelling of transmission: A systematic review. <b>2021</b> , 22, e00102		4
89	Equilibrium and sensitivity analysis of a spatio-temporal host-vector epidemic model. <b>2021</b> , 57, 103194		O
88	Controlling the Transmission of COVID-19 Infection in Indian Districts: A Compartmental Modelling Approach. <b>2021</b> , 143-160		
87	Social and environmental risk factors for dengue in Delhi city: A retrospective study. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009024	4.8	7
86	Populations and Larval Habitat Characteristics across the Landscape: Significant Differences Exist between Urban and Rural Land Use Types. <b>2021</b> , 12,		3
85	Quantifying the risk of vector-borne disease transmission attributable to genetically modified vectors. <b>2021</b> , 8, 201525		2

84	A New Test of a Theory about Old Mosquitoes. <b>2021</b> , 37, 185-194		2
83	Spatial connectivity in mosquito-borne disease models: a systematic review of methods and assumptions. <i>Journal of the Royal Society Interface</i> , <b>2021</b> , 18, 20210096	4.1	4
82	Increasing Effectiveness of Genetically Modifying Mosquito Populations: Risk Assessment of Releasing Blood-Fed Females. <b>2021</b> ,		О
81	A novel approach for predicting risk of vector-borne disease establishment in marginal temperate environments under climate change: West Nile virus in the UK. <i>Journal of the Royal Society Interface</i> , <b>2021</b> , 18, 20210049	4.1	2
80	Human-Mosquito Contact: A Missing Link in Our Understanding of Mosquito-Borne Disease Transmission Dynamics. <i>Annals of the Entomological Society of America</i> , <b>2021</b> , 114, 397-414	2	4
79	Mathematical and Statistical models as tools for the control of mosquito-borne diseases: The experience of Costa Rica.		
78	Transmission modelling of environmentally persistent zoonotic diseases: a systematic review. <i>Lancet Planetary Health, The</i> , <b>2021</b> , 5, e466-e478	9.8	3
77	Both consumptive and non-consumptive effects of predators impact mosquito populations and have implications for disease transmission.		
76	Prediction of dengue cases based on human mobility and seasonality and example for the city of Jakarta. <i>Mathematical Methods in the Applied Sciences</i> ,	2.3	2
75	A proposed framework for the development and qualitative evaluation of West Nile virus models and their application to local public health decision-making. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009653	4.8	6
74	Dynamic mapping of dengue basic reproduction number. Results in Physics, 2021, 29, 104687	3.7	1
73	A malaria model with Caputo <b>H</b> abrizio and Atangana <b>B</b> aleanu derivatives. <i>International Journal of Modeling, Simulation, and Scientific Computing, <b>2021</b>, 12, 2150013</i>	0.8	14
72	Mathematics of Malaria and Climate Change. Mathematics of Planet Earth, 2019, 77-108	0.4	2
71	Model-based projections of Zika virus infections in childbearing women in the Americas.		8
70	Comparative analysis of dengue and Zika outbreaks reveals differences by setting and virus.		9
69	Structure in the variability of the basic reproductive number (R0) for Zika epidemics in the Pacific islands.		2
68	SARIMA Forecasts of Dengue Incidence in Brazil, Mexico, Singapore, Sri Lanka, and Thailand: Model Performance and the Significance of Reporting Delays.		О
67	Downgrading disease transmission risk estimates using terminal importations.		2

66	Heterogeneous local dynamics revealed by classification analysis of spatially disaggregated time series data.		2
65	Mosquito species and age influence thermal performance of traits relevant to malaria transmission.		2
64	Micro-epidemiological structuring of parasite populations in regions with varying transmission intensities in Africa. <i>Wellcome Open Research</i> , <b>2017</b> , 2, 10	4.8	21
63	Understanding how temperature shifts could impact infectious disease. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000	93 <b>8</b> .7	22
62	Integrating Transgenic Vector Manipulation with Clinical Interventions to Manage Vector-Borne Diseases. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004695	5	11
61	Identifying Malaria Transmission Foci for Elimination Using Human Mobility Data. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004846	5	86
60	Quantifying the Epidemiological Impact of Vector Control on Dengue. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004588	4.8	53
59	Inferring the Spatio-temporal Patterns of Dengue Transmission from Surveillance Data in Guangzhou, China. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004633	4.8	32
58	Population Density, Climate Variables and Poverty Synergistically Structure Spatial Risk in Urban Malaria in India. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005155	4.8	19
57	Temperature modulates dengue virus epidemic growth rates through its effects on reproduction numbers and generation intervals. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005797	4.8	44
56	Risk of exposure to potential vector mosquitoes for rural workers in Northern Lao PDR. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005802	4.8	14
55	Use of rhodamine B to mark the body and seminal fluid of male Aedes aegypti for mark-release-recapture experiments and estimating efficacy of sterile male releases. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005902	4.8	19
54	Mosquito population regulation and larval source management in heterogeneous environments. <i>PLoS ONE</i> , <b>2013</b> , 8, e71247	3.7	31
53	The effects of vector movement and distribution in a mathematical model of dengue transmission. <i>PLoS ONE</i> , <b>2013</b> , 8, e76044	3.7	21
52	Patch dynamics modeling framework from pathogensRperspective: Unified and standardized approach for complicated epidemic systems. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238186	3.7	3
51	An environmental suitability index based on the ecological constraints of Aedes aegypti, vector of dengue. <i>Revue Internationale De Gomatique</i> , <b>2017</b> , 27, 481-501	O	3
50	Structure in the variability of the basic reproductive number () for Zika epidemics in the Pacific islands. <i>ELife</i> , <b>2016</b> , 5,	8.9	27
49	Linked within-host and between-host models and data for infectious diseases: a systematic review. <i>PeerJ</i> , <b>2019</b> , 7, e7057	3.1	9

48	Ch. 5: Vectorborne Diseases. The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment. <b>2016</b> ,		14
47	A critical assessment of the detailed Aedes aegypti simulation model Skeeter Buster 2 using field experiments of indoor insecticidal control in Iquitos, Peru.		
46	Omitting age-dependent mosquito mortality in malaria models underestimates the effectiveness of insecticide-treated nets.		
45	Microbiota and transcriptome changes of Culex pipiens pallens larvae exposed to Bacillus thuringiensis israelensis. <i>Scientific Reports</i> , <b>2021</b> , 11, 20241	4.9	O
44	Advances in Understanding Vector Behavioural Traits after Infection. Pathogens, 2021, 10,	4.5	1
43	Micro-epidemiological structuring of Plasmodium falciparum parasite populations in regions with varying transmission intensities in Africa <i>Wellcome Open Research</i> , 2, 10	4.8	4
42	Practical unidentifiability of a simple vector-borne disease model: implications for parameter estimation and intervention assessment.		О
41	Carry-over effects of larval microclimate on the transmission potential of a mosquito-borne pathogen.		
40	Effects of Spatial Heterogeneity on Transmission Potential in Vectorial-Contact Networks: A Comparison of Three Aedes aegypti Control Strategies.		
39	Dengue modeling in rural Cambodia: statistical performance versus epidemiological relevance.		
38	Mapping malaria by combining parasite genomic and epidemiologic data.		1
37	The Kendrick Modelling Platform: Language Abstractions and Tools for Epidemiology.		
36	Critical transitions in malaria transmission models are consistently generated by superinfection.		
35	More than a flying syringe: Using functional traits in vector-borne disease research.		
34	Estimation of DENV-2 Transmission as a Function of Site-Specific Entomological Parameters from Three Cities in Colombia. <i>Annals of Global Health</i> , <b>2019</b> , 85,	3.3	1
33	Hidden heterogeneity and its influence on dengue vaccination impact.		
32	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology.		
31	Weekly dengue forecasts in Iquitos, Peru; San Juan, Puerto Rico; and Singapore. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008710	4.8	4

30	Both consumptive and non-consumptive effects of predators impact mosquito populations and have implications for disease transmission <i>ELife</i> , <b>2022</b> , 11,	8.9	О
29	Competition and resource depletion shape the thermal response of population fitness in Aedes aegypti <i>Communications Biology</i> , <b>2022</b> , 5, 66	6.7	1
28	Review of the ecology and behaviour of Aedes aegypti and Aedes albopictus in Western Africa and implications for vector control. <i>Current Research in Parasitology and Vector-borne Diseases</i> , <b>2022</b> , 2, 1000	)74	4
27	Mechanistic models of Rift Valley fever virus transmission dynamics: A systematic review.		1
26	Vector-borne disinformation during disasters and emergencies. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2022</b> , 596, 127157	3.3	
25	The relationship between vector species richness and the risk of vector-borne infectious diseases. American Naturalist,	3.7	
24	Models and modelling practices for assessing the impact of outbreak response interventions to human vaccine-preventable diseases (1970-2019) - A systematic review.		
23	Relating Eulerian and Lagrangian spatial models for vector-host disease dynamics through a fundamental matrix. <i>Journal of Mathematical Biology</i> , <b>2022</b> , 84,	2	
22	Mosquito metabolism shapes life-history strategies of Plasmodium parasites.		
21	Model-Based Projection of Zika Infection Risk with Temperature Effect: A Case Study in Southeast Asia. <i>Bulletin of Mathematical Biology</i> , <b>2022</b> , 84,	2.1	1
20	Evaluation of an open forecasting challenge to assess skill of West Nile virus neuroinvasive disease prediction.		
19	Mathematical and statistical models for the control of mosquito-borne diseases: the experience of Costa Rica. <b>2022</b> , 46, 1		O
18	Omitting age-dependent mosquito mortality in malaria models underestimates the effectiveness of insecticide-treated nets. <b>2022</b> , 18, e1009540		0
17	Spatial Dynamics of Malaria Transmission.		O
16	Host movement, transmission hot spots, and vector-borne disease dynamics on spatial networks. <b>2022</b> , 7, 742-760		0
15	Mechanistic models of Rift Valley fever virus transmission: A systematic review. <b>2022</b> , 16, e0010339		O
14	Biology, bionomics and life-table studies of Anopheles stephensi (Diptera: Culicidae) in Sri Lanka and estimating the vectorial potential using mathematical approximations. <b>2023</b> , 93, 102715		0
13	Review of Importance of Weather and Environmental Variables in Agent-Based Arbovirus Models. <b>2022</b> , 19, 15578		О

#### CITATION REPORT

12	Model Forecasting Development for Dengue Fever Incidence in Surabaya City Using Time Series Analysis. <b>2022</b> , 10, 2454	0
11	Identifying individual and spatial drivers of heterogeneous transmission and virulence of malaria in Caribbean anoles. <b>2022</b> , 13,	Ο
10	Which trap is best? Alternatives to outdoor human landing catches for malaria vector surveillance: a meta-analysis. <b>2022</b> , 21,	0
9	A critical assessment of the detailed Aedes aegypti simulation model Skeeter Buster 2 using field experiments of indoor insecticidal control in Iquitos, Peru. <b>2022</b> , 16, e0010863	O
8	The Influence of Anthropogenic and Environmental Disturbances on Parameter Estimation of a Dengue Transmission Model. <b>2023</b> , 8, 5	0
7	Evaluation of an open forecasting challenge to assess skill of West Nile virus neuroinvasive disease prediction. <b>2023</b> , 16,	1
6	Changing risk of arboviral emergence in Catalonia due to higher probability of autochthonous outbreaks. <b>2023</b> , 477, 110258	0
5	Modeling the spread of the Zika virus by sexual and mosquito transmission. <b>2022</b> , 17, e0270127	O
4	Promiscuous feeding on multiple adult honey bee hosts amplifies the vectorial capacity of Varroa destructor. <b>2023</b> , 19, e1011061	0
3	A Scoping Review of Mathematical Models Used to Investigate the Role of Dogs in Chagas Disease Transmission. <b>2023</b> , 13, 555	O
2	SIR-SI model with a Gaussian transmission rate: Understanding the dynamics of dengue outbreaks in Lima, Peru. <b>2023</b> , 18, e0284263	0
1	Quantifying Rift Valley fever virus transmission efficiency in a lamb-mosquito-lamb model.	O