Thomas W Scott

List of Publications by Year
in descending order

88
papers

20,370
citations

34105

52
h-index

64796

79
g-index

92
all docs

92
docs citations

92
times ranked

17339
citing authors

#	Article	IF	Citations
1	Efficacy of a spatial repellent for control of <i>Aedes</i> -borne virus transmission: A cluster-randomized trial in Iquitos, Peru. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	23
2	4. Insecticide-based approaches for dengue vector control. Ecology and Control of Vector-Borne Diseases, 2021, , 59-89.	0.7	14
3	Rapid evolution of knockdown resistance haplotypes in response to pyrethroid selection in <i>Aedes aegypti</i>. Evolutionary Applications, 2021, 14, 2098-2113.	3.1	14
4	The impact of dengue illness on social distancing and caregiving behavior. PLoS Neglected Tropical Diseases, 2021, 15, e0009614.	3.0	0
5	Pandemic-associated mobility restrictions could cause increases in dengue virus transmission. PLoS Neglected Tropical Diseases, 2021, 15, e0009603.	3.0	17
6	Disease-driven reduction in human mobility influences human-mosquito contacts and dengue transmission dynamics. PLoS Computational Biology, 2021, 17, e1008627.	3.2	19
7	Measuring health related quality of life for dengue patients in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2020, 14, e0008477.	3.0	4
8	The importance of vector control for the control and elimination of vector-borne diseases. PLoS Neglected Tropical Diseases, 2020, 14, e0007831.	3.0	345
9	The impact of insecticide treated curtains on dengue virus transmission: A cluster randomized trial in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2020, 14, e0008097.	3.0	18
10	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. PLoS Computational Biology, 2020, 16, e1007446.	3.2	20
11	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response. PLoS Computational Biology, 2020, 16, e1007743.	3.2	27
12	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
13	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
14	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
15	Vector bionomics and vectorial capacity as emergent properties of mosquito behaviors and ecology. , 2020, 16, e1007446.		0
16	Title is missing!. , 2020, 16, e1007743.		0
17	Title is missing!. , 2020, 16, e1007743.		0
18	Title is missing!. , 2020, 16, e1007743.		0

#	Article	IF	Citations
19	Title is missing!. , 2020, 16, e1007743.		0
20	Model-based assessment of public health impact and cost-effectiveness of dengue vaccination following screening for prior exposure. PLoS Neglected Tropical Diseases, 2019, 13, e0007482.	3.0	23
21	Dengue illness impacts daily human mobility patterns in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2019, 13, e0007756.	3.0	17
22	Biased efficacy estimates in phase-III dengue vaccine trials due to heterogeneous exposure and differential detectability of primary infections across trial arms. PLoS ONE, 2019, 14, e0210041.	2.5	606
23	The current and future global distribution and population at risk of dengue. Nature Microbiology, 2019, 4, 1508-1515.	13.3	645
24	Estimating the impact of city-wide Aedes aegypti population control: An observational study in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2019, 13, e0007255.	3.0	22
25	An agent-based model of dengue virus transmission shows how uncertainty about breakthrough infections influences vaccination impact projections. PLoS Computational Biology, 2019, 15, e1006710.	3.2	31
26	Integrated Aedes management for the control of Aedes-borne diseases. PLoS Neglected Tropical Diseases, 2018, 12, e0006845.	3.0	153
27	Efficacy of Aedes aegypti control by indoor Ultra Low Volume (ULV) insecticide spraying in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2018, 12, e0006378.	3.0	46
28	Contributions from the silent majority dominate dengue virus transmission. PLoS Pathogens, 2018, 14, e1006965.	4.7	118
29	Epidemic arboviral diseases: priorities for research and public health. Lancet Infectious Diseases, The, 2017, 17, e101-e106.	9.1	394
30	The relationship between entomological indicators of Aedes aegypti abundance and dengue virus infection. PLoS Neglected Tropical Diseases, 2017, 11, e0005429.	3.0	81
31	Improving the built environment in urban areas to control <i>Aedes aegypti</i>-borne diseases. Bulletin of the World Health Organization, 2017, 95, 607-608.	3.3	60
32	Experiences with insecticide-treated curtains: a qualitative study in Iquitos, Peru. BMC Public Health, 2016, 16, 582.	2.9	9
33	Calling in sick: impacts of fever on intra-urban human mobility. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160390.	2.6	31
34	Coupled Heterogeneities and Their Impact on Parasite Transmission and Control. Trends in Parasitology, 2016, 32, 356-367.	3.3	41
35	Vectorial capacity and vector control: reconsidering sensitivity to parameters for malaria elimination. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2016, 110, 107-117.	1.8	149
36	Factors Associated with Correct and Consistent Insecticide Treated Curtain Use in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2016, 10, e0004409.	3.0	10

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37	Quantifying the Epidemiological Impact of Vector Control on Dengue. PLoS Neglected Tropical Diseases, 2016, 10, e0004588.	3.0	70
38	The global distribution of the arbovirus vectors Aedes aegypti and Ae. albopictus. ELife, 2015, 4, e08347.	6.0	1,428
39	Assessing the epidemiological effect of wolbachia for dengue control. Lancet Infectious Diseases, The, 2015, 15, 862-866.	9.1	73
40	Evidence-based vector control? Improving the quality of vector control trials. Trends in Parasitology, 2015, 31, 380-390.	3.3	119
41	Asymptomatic humans transmit dengue virus to mosquitoes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14688-14693.	7.1	355
42	A Critical Assessment of Vector Control for Dengue Prevention. PLoS Neglected Tropical Diseases, 2015, 9, e0003655.	3.0	328
43	Dengue disease outbreak definitions are implicitly variable. Epidemics, 2015, 11, 92-102.	3.0	68
44	Strengths and Weaknesses of Global Positioning System (GPS) Data-Loggers and Semi-structured Interviews for Capturing Fine-scale Human Mobility: Findings from Iquitos, Peru. PLoS Neglected Tropical Diseases, 2014, 8, e2888.	3.0	59
45	Heterogeneous Feeding Patterns of the Dengue Vector, Aedes aegypti, on Individual Human Hosts in Rural Thailand. PLoS Neglected Tropical Diseases, 2014, 8, e3048.	3.0	93
46	Determinants of Heterogeneous Blood Feeding Patterns by Aedes aegypti in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2014, 8, e2702.	3.0	63
47	Long-Term and Seasonal Dynamics of Dengue in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2014, 8, e3003.	3.0	96
48	Shifting Patterns of Aedes aegypti Fine Scale Spatial Clustering in Iquitos, Peru. PLoS Neglected Tropical Diseases, 2014, 8, e3038.	3.0	68
49	Recasting the theory of mosquito-borne pathogen transmission dynamics and control. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2014, 108, 185-197.	1.8	142
50	Theory and data for simulating fine-scale human movement in an urban environment. Journal of the Royal Society Interface, 2014, 11, 20140642.	3.4	53
51	A global assembly of adult female mosquito mark-release-recapture data to inform the control of mosquito-borne pathogens. Parasites and Vectors, 2014, 7, 276.	2.5	116
52	Global temperature constraints on Aedes aegypti and Ae. albopictus persistence and competence for dengue virus transmission. Parasites and Vectors, 2014, 7, 338.	2.5	280
53	Socially structured human movement shapes dengue transmission despite the diffusive effect of mosquito dispersal. Epidemics, 2014, 6, 30-36.	3.0	109
54	Time-varying, serotype-specific force of infection of dengue virus. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2694-702.	7.1	105

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55	Modelling adult Aedes aegypti and Aedes albopictus survival at different temperatures in laboratory and field settings. Parasites and Vectors, 2013, 6, 351.	2.5	357
56	The global distribution and burden of dengue. Nature, 2013, 496, 504-507.	27.8	7,138
57	A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970â€"2010. Journal of the Royal Society Interface, 2013, 10, 20120921.	3.4	306
58	Heterogeneity, Mixing, and the Spatial Scales of Mosquito-Borne Pathogen Transmission. PLoS Computational Biology, 2013, 9, e1003327.	3.2	124
59	House-to-house human movement drives dengue virus transmission. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 994-999.	7.1	416
60	Reduced Risk of Disease During Postsecondary Dengue Virus Infections. Journal of Infectious Diseases, 2013, 208, 1026-1033.	4.0	128
61	Using GPS Technology to Quantify Human Mobility, Dynamic Contacts and Infectious Disease Dynamics in a Resource-Poor Urban Environment. PLoS ONE, 2013, 8, e58802.	2.5	177
62	Fine Scale Spatiotemporal Clustering of Dengue Virus Transmission in Children and Aedes aegypti in Rural Thai Villages. PLoS Neglected Tropical Diseases, 2012, 6, e1730.	3.0	127
63	Ross, Macdonald, and a Theory for the Dynamics and Control of Mosquito-Transmitted Pathogens. PLoS Pathogens, 2012, 8, e1002588.	4.7	432
64	Spatial Dimensions of Dengue Virus Transmission across Interepidemic and Epidemic Periods in Iquitos, Peru (1999â€"2003). PLoS Neglected Tropical Diseases, 2012, 6, e1472.	3.0	74
65	Underrecognized Mildly Symptomatic Viremic Dengue Virus Infections in Rural Thai Schools and Villages. Journal of Infectious Diseases, 2012, 206, 389-398.	4.0	84
66	Parameterization and Sensitivity Analysis of a Complex Simulation Model for Mosquito Population Dynamics, Dengue Transmission, and Their Control. American Journal of Tropical Medicine and Hygiene, 2011, 85, 257-264.	1.4	54
67	Epidemiology of influenzaâ€like illness in the Amazon Basin of Peru, 2008â€"2009. Influenza and Other Respiratory Viruses, 2010, 4, 235-243.	3.4	21
68	Assessing and Maximizing the Acceptability of Global Positioning System Device Use for Studying the Role of Human Movement in Dengue Virus Transmission in Iquitos, Peru. American Journal of Tropical Medicine and Hygiene, 2010, 82, 723-730.	1.4	48
69	Epidemiology of Dengue Virus in Iquitos, Peru 1999 to 2005: Interepidemic and Epidemic Patterns of Transmission. PLoS Neglected Tropical Diseases, 2010, 4, e670.	3.0	159
70	Consequences of the Expanding Global Distribution of Aedes albopictus for Dengue Virus Transmission. PLoS Neglected Tropical Diseases, 2010, 4, e646.	3.0	566
71	Characteristics of the Spatial Pattern of the Dengue Vector, Aedes aegypti, in Iquitos, Peru. Advances in Spatial Science, 2010, , 203-225.	0.6	106
72	The Role of Human Movement in the Transmission of Vector-Borne Pathogens. PLoS Neglected Tropical Diseases, 2009, 3, e481.	3.0	414

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73	Skeeter Buster: A Stochastic, Spatially Explicit Modeling Tool for Studying Aedes aegypti Population Replacement and Population Suppression Strategies. PLoS Neglected Tropical Diseases, 2009, 3, e508.	3.0	141
74	Usefulness of commercially available GPS data-loggers for tracking human movement and exposure to dengue virus. International Journal of Health Geographics, 2009, 8, 68.	2.5	114
75	Comparison of Two Active Surveillance Programs for the Detection of Clinical Dengue Cases in Iquitos, Peru. American Journal of Tropical Medicine and Hygiene, 2009, 80, 656-660.	1.4	33
76	Comparison of two active surveillance programs for the detection of clinical dengue cases in Iquitos, Peru. American Journal of Tropical Medicine and Hygiene, 2009, 80, 656-60.	1.4	29
77	Defining Challenges and Proposing Solutions for Control of the Virus Vector Aedes aegypti. PLoS Medicine, 2008, 5, e68.	8.4	360
78	Spatial and Temporal Clustering of Dengue Virus Transmission in Thai Villages. PLoS Medicine, 2008, 5, e205.	8.4	221
79	DISPERSAL OF THE DENGUE VECTOR AEDES AEGYPTI WITHIN AND BETWEEN RURAL COMMUNITIES. American Journal of Tropical Medicine and Hygiene, 2005, 72, 209-220.	1.4	495
80	Dispersal of the dengue vector Aedes aegypti within and between rural communities. American Journal of Tropical Medicine and Hygiene, 2005, 72, 209-20.	1.4	290
81	Adult Size and Distribution of<i>Aedes aegypti</i>(Diptera: Culicidae) Associated with Larval Habitats in Iquitos, Peru. Journal of Medical Entomology, 2004, 41, 634-642.	1.8	96
82	Temporal and Geographic Patterns of <I>Aedes aegypti</I> (Diptera: Culicidae) Production in Iquitos, Peru. Journal of Medical Entomology, 2004, 41, 1123-1142.	1.8	189
83	IDENTIFICATION OF THE PEOPLE FROM WHOM ENGORGED AEDES AEGYPTI TOOK BLOOD MEALS IN FLORIDA, PUERTO RICO, USING POLYMERASE CHAIN REACTION-BASED DNA PROFILING. American Journal of Tropical Medicine and Hygiene, 2003, 68, 437-446.	1.4	74
84	CHARACTERISTICS OF THE SPATIAL PATTERN OF THE DENGUE VECTOR, AEDES AEGYPTI, IN IQUITOS, PERU. American Journal of Tropical Medicine and Hygiene, 2003, 69, 494-505.	1.4	226
85	Identification of the people from whom engorged Aedes aegypti took blood meals in Florida, Puerto Rico, using polymerase chain reaction-based DNA profiling. American Journal of Tropical Medicine and Hygiene, 2003, 68, 437-46.	1.4	40
86	Characteristics of the spatial pattern of the dengue vector, Aedes aegypti, in Iquitos, Peru. American Journal of Tropical Medicine and Hygiene, 2003, 69, 494-505.	1.4	137
87	Longitudinal Studies of<i>Aedes aegypti</i>(Diptera: Culicidae) in Thailand and Puerto Rico: Population Dynamics. Journal of Medical Entomology, 2000, 37, 77-88.	1.8	226
88	Longitudinal Studies of<i>Aedes aegypti</i>(Diptera: Culicidae) in Thailand and Puerto Rico: Blood Feeding Frequency. Journal of Medical Entomology, 2000, 37, 89-101.	1.8	405