

Gonzalo M Vazquez-Prokopec

List of Publications by Year in Descending Order

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

112
papers

3,533
citations

35
h-index

56
g-index

122
ext. papers

4,281
ext. citations

4.5
avg, IF

5.05
L-index

#	Paper	IF	Citations
112	Pilot trial using mass field-releases of sterile males produced with the incompatible and sterile insect techniques as part of integrated <i>Aedes aegypti</i> control in Mexico.. <i>PLoS Neglected Tropical Diseases</i> , 2022 , 16, e0010324	4.8	5
111	Experimental evaluation of a metofluthrin passive emanator against <i>Aedes albopictus</i> .. <i>PLoS ONE</i> , 2022 , 17, e0267278	3.7	
110	Efficacy of targeted indoor residual spraying with the pyrrole insecticide chlorfenapyr against pyrethroid-resistant <i>Aedes aegypti</i> . <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009822	4.8	1
109	Detection of <i>Aedes (Stegomyia) albopictus</i> (Skuse) in ovitraps of Mérida city, México. <i>Biomedica</i> , 2021 , 41, 153-160	0.9	3
108	Abundance and Seasonality of <i>Aedes aegypti</i> (Diptera: Culicidae) in Two Suburban Localities of South Mexico, With Implications for <i>Wolbachia</i> (Rickettsiales: Rickettsiaceae)-Carrying Male Releases for Population Suppression. <i>Journal of Medical Entomology</i> , 2021 , 58, 1817-1825	2.2	3
107	Identifying urban hotspots of dengue, chikungunya, and Zika transmission in Mexico to support risk stratification efforts: a spatial analysis. <i>Lancet Planetary Health, The</i> , 2021 , 5, e277-e285	9.8	9
106	Insecticide-treated house screening protects against Zika-infected <i>Aedes aegypti</i> in Merida, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009005	4.8	5
105	Natural arbovirus infection rate and detectability of indoor female <i>Aedes aegypti</i> from Mérida, Yucatán, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0008972	4.8	3
104	4. Insecticide-based approaches for dengue vector control. <i>Ecology and Control of Vector-Borne Diseases</i> , 2021 , 59-89		5
103	The impact of dengue illness on social distancing and caregiving behavior. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009614	4.8	
102	Pandemic-associated mobility restrictions could cause increases in dengue virus transmission. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009603	4.8	3
101	Protective effect of house screening against indoor <i>Aedes aegypti</i> in Mérida, Mexico: A cluster randomised controlled trial. <i>Tropical Medicine and International Health</i> , 2021 , 26, 1677-1688	2.3	2
100	The entomological impact of passive metofluthrin emanators against indoor <i>Aedes aegypti</i> : A randomized field trial. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009036	4.8	4
99	Disease-driven reduction in human mobility influences human-mosquito contacts and dengue transmission dynamics. <i>PLoS Computational Biology</i> , 2021 , 17, e1008627	5	4
98	Natural arbovirus infection rate and detectability of indoor female <i>Aedes aegypti</i> from Mérida, Yucatán, Mexico 2021 , 15, e0008972		
97	Natural arbovirus infection rate and detectability of indoor female <i>Aedes aegypti</i> from Mérida, Yucatán, Mexico 2021 , 15, e0008972		
96	Natural arbovirus infection rate and detectability of indoor female <i>Aedes aegypti</i> from Mérida, Yucatán, Mexico 2021 , 15, e0008972		

95	Natural arbovirus infection rate and detectability of indoor female <i>Aedes aegypti</i> from Mérida, Yucatán, Mexico 2021 , 15, e0008972		
94	Designing effective control of dengue with combined interventions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3319-3325	11.5	13
93	Efficacy of Long-lasting Insecticidal Nets With Declining Physical and Chemical Integrity on <i>Aedes aegypti</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2020 , 57, 503-510	2.2	2
92	Prevention and control of <i>Aedes</i> transmitted infections in the post-pandemic scenario of COVID-19: challenges and opportunities for the region of the Americas. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2020 , 115, e200284	2.6	10
91	Evaluating Over-the-Counter Household Insecticide Aerosols for Rapid Vector Control of Pyrethroid-Resistant. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 2108-2112	3.2	6
90	The basic reproductive number for disease systems with multiple coupled heterogeneities. <i>Mathematical Biosciences</i> , 2020 , 321, 108294	3.9	2
89	The TIRS trial: protocol for a cluster randomized controlled trial assessing the efficacy of preventive targeted indoor residual spraying to reduce <i>Aedes</i> -borne viral illnesses in Merida, Mexico. <i>Trials</i> , 2020 , 21, 839	2.8	5
88	Measuring health related quality of life for dengue patients in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008477	4.8	1
87	Heterogeneity of Dengue Illness in Community-Based Prospective Study, Iquitos, Peru. <i>Emerging Infectious Diseases</i> , 2020 , 26, 2077-2086	10.2	2
86	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response. <i>PLoS Computational Biology</i> , 2020 , 16, e1007743	5	10
85	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		
84	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		
83	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		
82	Optimizing the deployment of ultra-low volume and targeted indoor residual spraying for dengue outbreak response 2020 , 16, e1007743		
81	The genetic structure of <i>Aedes aegypti</i> populations is driven by boat traffic in the Peruvian Amazon. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007552	4.8	8
80	Dengue illness impacts daily human mobility patterns in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007756	4.8	9
79	Larviciding <i>Culex</i> spp. (Diptera: Culicidae) Populations in Catch Basins and Its Impact on West Nile Virus Transmission in Urban Parks in Atlanta, GA. <i>Journal of Medical Entomology</i> , 2019 , 56, 222-232	2.2	5
78	Fine-scale spatial and temporal dynamics of <i>kdr</i> haplotypes in <i>Aedes aegypti</i> from Mexico. <i>Parasites and Vectors</i> , 2019 , 12, 20	4	12

77	Estimating absolute indoor density of <i>Aedes aegypti</i> using removal sampling. <i>Parasites and Vectors</i> , 2019 , 12, 250	4	15
76	Estimating the impact of city-wide <i>Aedes aegypti</i> population control: An observational study in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007255	4.8	8
75	Feeding Success and Host Selection by Say Mosquitoes in Experimental Trials. <i>Vector-Borne and Zoonotic Diseases</i> , 2019 , 19, 540-548	2.4	4
74	Efficacy of novel indoor residual spraying methods targeting pyrethroid-resistant <i>Aedes aegypti</i> within experimental houses. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007203	4.8	20
73	An agent-based model of dengue virus transmission shows how uncertainty about breakthrough infections influences vaccination impact projections. <i>PLoS Computational Biology</i> , 2019 , 15, e1006710	5	17
72	Zika Virus Infection in Pregnant Women, Yucatan, Mexico. <i>Emerging Infectious Diseases</i> , 2019 , 25, 1452-1460	4.6	3
71	Entomological Efficacy of Aerial Ultra-Low Volume Insecticide Applications Against <i>Aedes aegypti</i> (Diptera: Culicidae) in Mexico. <i>Journal of Medical Entomology</i> , 2019 , 56, 1331-1337	2.2	3
70	Predicting the success of an invader: Niche shift versus niche conservatism. <i>Ecology and Evolution</i> , 2019 , 9, 12658-12675	2.8	10
69	Bioefficacy of Two Nonpyrethroid Insecticides for Targeted Indoor Residual Spraying Against Pyrethroid-Resistant. <i>Journal of the American Mosquito Control Association</i> , 2019 , 35, 291-294	0.9	2
68	Field Efficacy Trials of Aerial Ultra-Low-Volume Application of Insecticides Against Caged in Mexico. <i>Journal of the American Mosquito Control Association</i> , 2019 , 35, 140-146	0.9	1
67	Community-based surveillance and control of chagas disease vectors in remote rural areas of the Argentine Chaco: A five-year follow-up. <i>Acta Tropica</i> , 2019 , 191, 108-115	3.2	12
66	Linking the vectorial capacity of multiple vectors to observed patterns of West Nile virus transmission. <i>Journal of Applied Ecology</i> , 2019 , 56, 956-965	5.8	2
65	Characterizing environmental suitability of <i>Aedes albopictus</i> (Diptera: Culicidae) in Mexico based on regional and global niche models. <i>Journal of Medical Entomology</i> , 2018 , 55, 69-77	2.2	13
64	Environmental stochasticity and intraspecific competition influence the population dynamics of <i>Culex quinquefasciatus</i> (Diptera: Culicidae). <i>Parasites and Vectors</i> , 2018 , 11, 114	4	5
63	Restoration of pyrethroid susceptibility in a highly resistant population. <i>Biology Letters</i> , 2018 , 14,	3.6	19
62	Larval density mediates knockdown resistance to pyrethroid insecticides in adult <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2018 , 11, 282	4	5
61	Experimental evaluation of the impact of household aerosolized insecticides on pyrethroid resistant <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2018 , 8, 12535	4.9	27
60	Contributions from the silent majority dominate dengue virus transmission. <i>PLoS Pathogens</i> , 2018 , 14, e1006965	7.6	66

59	House screening with insecticide-treated netting provides sustained reductions in domestic populations of <i>Aedes aegypti</i> in Merida, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006283	4.8	20
58	Spatio-temporal coherence of dengue, chikungunya and Zika outbreaks in Merida, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006298	4.8	35
57	Dengue seroprevalence in a cohort of schoolchildren and their siblings in Yucatan, Mexico (2015-2016). <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006748	4.8	6
56	Epidemiology of dengue and other arboviruses in a cohort of school children and their families in Yucatan, Mexico: Baseline and first year follow-up. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006847	4.8	16
55	Forecasting the effectiveness of indoor residual spraying for reducing dengue burden. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006570	4.8	31
54	Combining contact tracing with targeted indoor residual spraying significantly reduces dengue transmission. <i>Science Advances</i> , 2017 , 3, e1602024	14.3	71
53	Detection of Zika virus in <i>Aedes</i> mosquitoes from Mexico. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2017 , 111, 328-331	2	14
52	Insecticide-Treated House Screens to Reduce Infestations of Dengue Vectors 2017 ,		1
51	Lack of evidence for Zika virus transmission by <i>Culex</i> mosquitoes. <i>Emerging Microbes and Infections</i> , 2017 , 6, e90	18.9	20
50	Deltamethrin resistance in <i>Aedes aegypti</i> results in treatment failure in Merida, Mexico. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005656	4.8	37
49	Changing paradigms in control: considering the spatial heterogeneity of dengue transmission. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2017 , 41, e16	4.1	8
48	Indoor Resting Behavior of <i>Aedes aegypti</i> (Diptera: Culicidae) in Acapulco, Mexico. <i>Journal of Medical Entomology</i> , 2017 , 54, 501-504	2.2	38
47	The macroecology of infectious diseases: a new perspective on global-scale drivers of pathogen distributions and impacts. <i>Ecology Letters</i> , 2016 , 19, 1159-71	10	93
46	Spatial variation of insecticide resistance in the dengue vector <i>Aedes aegypti</i> presents unique vector control challenges. <i>Parasites and Vectors</i> , 2016 , 9, 67	4	74
45	Coupled Heterogeneities and Their Impact on Parasite Transmission and Control. <i>Trends in Parasitology</i> , 2016 , 32, 356-367	6.4	29
44	Evidence of vertical transmission and co-circulation of chikungunya and dengue viruses in field populations of <i>Aedes aegypti</i> (L.) from Guerrero, Mexico. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2016 , 110, 141-4	2	19
43	Quantifying the Epidemiological Impact of Vector Control on Dengue. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004588	4.8	53
42	Calling in sick: impacts of fever on intra-urban human mobility. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	24

41	River boats contribute to the regional spread of the dengue vector <i>Aedes aegypti</i> in the Peruvian Amazon. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003648	4.8	24
40	Use of insecticide-treated house screens to reduce infestations of dengue virus vectors, Mexico. <i>Emerging Infectious Diseases</i> , 2015 , 21, 308-11	10.2	37
39	Evidence for <i>Aedes aegypti</i> (Diptera: Culicidae) Oviposition on Boats in the Peruvian Amazon. <i>Journal of Medical Entomology</i> , 2015 , 52, 726-9	2.2	6
38	Spatial epidemiology and serologic cohorts increase the early detection of leprosy. <i>BMC Infectious Diseases</i> , 2015 , 15, 527	4	34
37	CHICKEN COOPS, <i>Triatoma dimidiata</i> INFESTATION AND ITS INFECTION WITH <i>Trypanosoma cruzi</i> IN A RURAL VILLAGE OF YUCATAN, MEXICO. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 2015 , 57, 269-72	2.2	6
36	Long-lasting insecticide-treated house screens and targeted treatment of productive breeding-sites for dengue vector control in Acapulco, Mexico. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2015 , 109, 106-15	2	34
35	Long term impacts of combined sewer overflow remediation on water quality and population dynamics of <i>Culex quinquefasciatus</i> , the main urban West Nile virus vector in Atlanta, GA. <i>Environmental Research</i> , 2014 , 129, 20-6	7.9	19
34	Time-varying, serotype-specific force of infection of dengue virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2694-702	11.5	87
33	Domestic animal hosts strongly influence human-feeding rates of the Chagas disease vector <i>Triatoma infestans</i> in Argentina. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2894	4.8	43
32	Strengths and weaknesses of Global Positioning System (GPS) data-loggers and semi-structured interviews for capturing fine-scale human mobility: findings from Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2888	4.8	41
31	Spatial analysis spotlighting early childhood leprosy transmission in a hyperendemic municipality of the Brazilian Amazon region. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2665	4.8	47
30	Key source habitats and potential dispersal of <i>triatoma infestans</i> populations in Northwestern Argentina: implications for vector control. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3238	4.8	28
29	Patterns of geographic expansion of <i>Aedes aegypti</i> in the Peruvian Amazon. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3033	4.8	40
28	Shifting patterns of <i>Aedes aegypti</i> fine scale spatial clustering in Iquitos, Peru. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3038	4.8	41
27	Theory and data for simulating fine-scale human movement in an urban environment. <i>Journal of the Royal Society Interface</i> , 2014 , 11,	4.1	40
26	Global positioning system data-loggers: a tool to quantify fine-scale movement of domestic animals to evaluate potential for zoonotic transmission to an endangered wildlife population. <i>PLoS ONE</i> , 2014 , 9, e110984	3.7	25
25	Improved chemical control of Chagas disease vectors in the dry Chaco region. <i>Journal of Medical Entomology</i> , 2013 , 50, 394-403	2.2	33
24	House-to-house human movement drives dengue virus transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 994-9	11.5	319

23	Using GPS technology to quantify human mobility, dynamic contacts and infectious disease dynamics in a resource-poor urban environment. <i>PLoS ONE</i> , 2013 , 8, e58802	3.7	135
22	Diet and density dependent competition affect larval performance and oviposition site selection in the mosquito species <i>Aedes albopictus</i> (Diptera: Culicidae). <i>Parasites and Vectors</i> , 2012 , 5, 225	4	51
21	Spatial heterogeneity and risk maps of community infestation by <i>Triatoma infestans</i> in rural northwestern Argentina. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1788	4.8	20
20	Hidden sylvatic foci of the main vector of Chagas disease <i>Triatoma infestans</i> : threats to the vector elimination campaign?. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1365	4.8	67
19	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. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010 , 82, 723-30	3.2	39
18	Unforeseen costs of cutting mosquito surveillance budgets. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e858	4.8	55
17	The risk of West Nile Virus infection is associated with combined sewer overflow streams in urban Atlanta, Georgia, USA. <i>Environmental Health Perspectives</i> , 2010 , 118, 1382-8	8.4	40
16	Quantifying the spatial dimension of dengue virus epidemic spread within a tropical urban environment. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e920	4.8	134
15	First known feeding trace of the eocene bottom-dwelling fish <i>Notogoneus osculus</i> and its paleontological significance. <i>PLoS ONE</i> , 2010 , 5, e10420	3.7	8
14	Combined sewage overflow enhances oviposition of <i>Culex quinquefasciatus</i> (Diptera: Culicidae) in urban areas. <i>Journal of Medical Entomology</i> , 2009 , 46, 220-6	2.2	59
13	A new, cost-effective, battery-powered aspirator for adult mosquito collections. <i>Journal of Medical Entomology</i> , 2009 , 46, 1256-9	2.2	144
12	The role of human movement in the transmission of vector-borne pathogens. <i>PLoS Neglected Tropical Diseases</i> , 2009 , 3, e481	4.8	339
11	Usefulness of commercially available GPS data-loggers for tracking human movement and exposure to dengue virus. <i>International Journal of Health Geographics</i> , 2009 , 8, 68	3.5	94
10	Cost-effectiveness of chagas disease vector control strategies in Northwestern Argentina. <i>PLoS Neglected Tropical Diseases</i> , 2009 , 3, e363	4.8	51
9	Comparative Trial of Effectiveness of Pyrethroid Insecticides Against Peridomestic Populations of <i>Triatoma infestans</i> in Northwestern Argentina. <i>Journal of Medical Entomology</i> , 2006 , 43, 902-909	2.2	34
8	Comparative trial of effectiveness of pyrethroid insecticides against peridomestic populations of <i>Triatoma infestans</i> in northwestern Argentina. <i>Journal of Medical Entomology</i> , 2006 , 43, 902-9	2.2	45
7	Reinfestation sources for Chagas disease vector, <i>Triatoma infestans</i> , Argentina. <i>Emerging Infectious Diseases</i> , 2006 , 12, 1096-102	10.2	73
6	Upscale or downscale: applications of fine scale remotely sensed data to Chagas disease in Argentina and schistosomiasis in Kenya. <i>Geospatial Health</i> , 2006 , 1, 49-58	2.2	40

5	A prospective study of the effects of sustained vector surveillance following community-wide insecticide application on <i>Trypanosoma cruzi</i> infection of dogs and cats in rural Northwestern Argentina. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 753-61	3.2	21
4	A PROSPECTIVE STUDY OF THE EFFECTS OF SUSTAINED VECTOR SURVEILLANCE FOLLOWING COMMUNITY-WIDE INSECTICIDE APPLICATION ON <i>TRYPANOSOMA CRUZI</i> INFECTION OF DOGS AND CATS IN RURAL NORTHWESTERN ARGENTINA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 753-761	3.2	35
3	Spatiotemporal patterns of reinfestation by <i>Triatoma guasayana</i> (Hemiptera: Reduviidae) in a rural community of northwestern Argentina. <i>Journal of Medical Entomology</i> , 2005 , 42, 571-81	2.2	35
2	Active dispersal of natural populations of <i>Triatoma infestans</i> (Hemiptera: Reduviidae) in rural northwestern Argentina. <i>Journal of Medical Entomology</i> , 2004 , 41, 614-21	2.2	81
1	Spatio-temporal analysis of reinfestation by <i>Triatoma infestans</i> (Hemiptera: Reduviidae) following insecticide spraying in a rural community in northwestern Argentina. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 803-10	3.2	52