

# John P Grieco

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,021  
citations

279798

23  
h-index

289244

40  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1488  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Spatial repellents: from discovery and development to evidence-based validation. <i>Malaria Journal</i> , 2012, 11, 164.   | 2.3 | 210       |
| 2  | A New Classification System for the Actions of IRS Chemicals Traditionally Used For Malaria Control. <i>PLoS ONE</i> , 2007, 2, e716.  | 2.5 | 191       |
| 3  | A NOVEL HIGH-THROUGHPUT SCREENING SYSTEM TO EVALUATE THE BEHAVIORAL RESPONSE OF ADULT MOSQUITOES TO CHEMICALS <sup>1</sup> . <i>Journal of the American Mosquito Control Association</i> , 2005, 21, 404-411.  | 0.7 | 106       |
| 4  | MOSQUITO HABITATS, LAND USE, AND MALARIA RISK IN BELIZE FROM SATELLITE IMAGERY. , 2005, 15, 1223-1232.   |     | 100       |
| 5  | Characterization of Spatial Repellent, Contact Irritant, and Toxicant Chemical Actions of Standard Vector Control Compounds <sup>1</sup> . <i>Journal of the American Mosquito Control Association</i> , 2009, 25, 156-167.                            | 0.7 | 91        |
| 6  | Impact of a Spatial Repellent on Malaria Incidence in Two Villages in Sumba, Indonesia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 1079-1087.  | 1.4 | 76        |
| 7  | Plants traditionally used as mosquito repellents and the implication for their use in vector control. <i>Acta Tropica</i> , 2016, 157, 136-144.  | 2.0 | 66        |
| 8  | Insensitivity to the Spatial Repellent Action of Transfluthrin in <i>Aedes aegypti</i> : A Heritable Trait Associated with Decreased Insecticide Susceptibility. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003726.                          | 3.0 | 56        |
| 9  | Species diversity and biting activity of <i>Anopheles dirus</i> and <i>Anopheles baimaii</i> (Diptera: Culicidae) in a malaria prone area of western Thailand. <i>Parasites and Vectors</i> , 2012, 5, 211.  | 2.5 | 53        |
| 10 | Efficacy of a Spatial Repellent for Control of Malaria in Indonesia: A Cluster-Randomized Controlled Trial. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 344-358.   | 1.4 | 53        |
| 11 | Volatile Substances from Larval Habitats Mediate Species-Specific Oviposition in <i>Anopheles</i> Mosquitoes. <i>Journal of Medical Entomology</i> , 2005, 42, 95-103.   | 1.8 | 46        |
| 12 | Initial Assessment of the Acceptability of a Push-Pull <i>Aedes aegypti</i> Control Strategy in Iquitos, Peru and Kanchanaburi, Thailand. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 208-217.                                | 1.4 | 44        |
| 13 | Identifying the effective concentration for spatial repellency of the dengue vector <i>Aedes aegypti</i> . <i>Parasites and Vectors</i> , 2012, 5, 300.  | 2.5 | 43        |
| 14 | A MARK-RELEASE-RECAPTURE STUDY USING A NOVEL PORTABLE HUT DESIGN TO DEFINE THE FLIGHT BEHAVIOR OF <i>ANOPHELES DARLINGI</i> IN BELIZE, CENTRAL AMERICA <sup>1</sup> . <i>Journal of the American Mosquito Control Association</i> , 2005, 21, 366-379. | 0.7 | 37        |
| 15 | Distribution of <i>Anopheles albimanus</i> , <i>Anopheles vestitipennis</i> , and <i>Anopheles crucians</i> Associated with Land Use in Northern Belize. <i>Journal of Medical Entomology</i> , 2006, 43, 614-622.                                     | 1.8 | 35        |
| 16 | COMPARATIVE SUSCEPTIBILITY OF THREE SPECIES OF <i>ANOPHELES</i> FROM BELIZE, CENTRAL AMERICA, TO <i>PLASMODIUM FALCIPARUM</i> (NF-54). <i>Journal of the American Mosquito Control Association</i> , 2005, 21, 279.                                    | 0.7 | 33        |
| 17 | Behavioral Responses of Catnip ( <i>Nepeta cataria</i> ) by Two Species of Mosquitoes, <i>Aedes aegypti</i> and <i>Anopheles harrisoni</i> , in Thailand. <i>Journal of the American Mosquito Control Association</i> , 2008, 24, 513-519.             | 0.7 | 33        |
| 18 | Behavioral responses of <i>Aedes aegypti</i> and <i>Culex quinquefasciatus</i> (Diptera: Culicidae) to four essential oils in Thailand. <i>Journal of Pest Science</i> , 2013, 86, 309-320.  | 3.7 | 33        |

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|----|--|-----|-----------|
| 19 | Irritancy and Repellency Behavioral Responses of Three Strains of <i>Aedes aegypti</i> Exposed to DDT and $\pm$ -Cypermethrin. <i>Journal of Medical Entomology</i> , 2009, 46, 1407-1414.   | 1.8 | 31        |
| 20 | Contact Irritant Responses of <i>Aedes aegypti</i> Using Sublethal Concentration and Focal Application of Pyrethroid Chemicals. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2074.  | 3.0 | 30        |
| 21 | Ecology of Larval Habitats. , 0, , .   |     | 28        |
| 22 | Irritability and repellency of synthetic pyrethroids on an <i>Aedes aegypti</i> population from Thailand. <i>Journal of Vector Ecology</i> , 2009, 34, 217-224.  | 1.0 | 26        |
| 23 | Excito-repellency of essential oils against an <i>Aedes aegypti</i> (L.) field population in Thailand. <i>Journal of Vector Ecology</i> , 2014, 39, 112-122.   | 1.0 | 26        |
| 24 | The field evaluation of a push-pull system to control malaria vectors in Northern Belize, Central America. <i>Malaria Journal</i> , 2015, 14, 184.   | 2.3 | 26        |
| 25 | Use of Remote Sensing and Geographic Information Systems to Predict Locations of <i>Anopheles darlingi</i> -Positive Breeding Sites Within the Sibun River in Belize, Central America. <i>Journal of Medical Entomology</i> , 2006, 43, 382-392. | 1.8 | 25        |
| 26 | Effect of <i>Aedes aegypti</i> exposure to spatial repellent chemicals on BG-Sentinel <sup>®</sup> trap catches. <i>Parasites and Vectors</i> , 2013, 6, 145.  | 2.5 | 24        |
| 27 | Distribution of <i>Anopheles albimanus</i> , <i>Anopheles vestitipennis</i> , and <i>Anopheles crucians</i> Associated with Land Use in Northern Belize. <i>Journal of Medical Entomology</i> , 2006, 43, 614-622.                               | 1.8 | 23        |
| 28 | The effect of host type on movement patterns of <i>Aedes aegypti</i> (Diptera: Culicidae) into and out of experimental huts in Thailand. <i>Journal of Vector Ecology</i> , 2006, 31, 311-318.   | 1.0 | 23        |
| 29 | Effect of Spatial Repellent Exposure on Dengue Vector Attraction to Oviposition Sites. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004850.   | 3.0 | 23        |
| 30 | Efficacy of a spatial repellent for control of <i>Aedes</i> -borne virus transmission: A cluster-randomized trial in Iquitos, Peru. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .        | 7.1 | 23        |
| 31 | Use of Remote Sensing and Geographic Information Systems to Predict Locations of <i>Anopheles darlingi</i> -Positive Breeding Sites Within the Sibun River in Belize, Central America. <i>Journal of Medical Entomology</i> , 2006, 43, 382-392. | 1.8 | 22        |
| 32 | Habitat suitability for three species of <i>Anopheles</i> mosquitoes: Larval growth and survival in reciprocal placement experiments. <i>Journal of Vector Ecology</i> , 2007, 32, 176.  | 1.0 | 21        |
| 33 | Effects of environmental conditions on the movement patterns of <i>Aedes aegypti</i> (Diptera: Culicidae) into and out of experimental huts in Thailand. <i>Journal of Vector Ecology</i> , 2009, 34, 267-275.                                   | 1.0 | 20        |
| 34 | Evaluation of a peridomestic mosquito trap for integration into an <i>Aedes aegypti</i> (Diptera: Culicidae) push-pull control strategy. <i>Journal of Vector Ecology</i> , 2012, 37, 8-19.  | 1.0 | 19        |
| 35 | Knowledge, attitudes and practices assessment of malaria interventions in rural Zambia. <i>BMC Public Health</i> , 2020, 20, 216.  | 2.9 | 19        |
| 36 | A High Throughput Screening System for Determining the Three Actions of Insecticides Against <i>Aedes aegypti</i> (Diptera: Culicidae) Populations in Thailand. <i>Journal of Medical Entomology</i> , 2010, 47, 833-841.                        | 1.8 | 18        |

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|----|--|-----|-----------|
| 37 | Comparison of <i>Aedes aegypti</i> (Diptera: Culicidae) Resting Behavior on Two Fabric Types Under Consideration for Insecticide Treatment in a Push-Pull Strategy. <i>Journal of Medical Entomology</i> , 2013, 50, 59-68.  | 1.8 | 18        |
| 38 | Effects of Physiological Conditioning on Behavioral Avoidance by Using a Single Age Group of <i>Aedes aegypti</i> Exposed to Deltamethrin and DDT. <i>Journal of Medical Entomology</i> , 2008, 45, 251-259.   | 1.8 | 15        |
| 39 | Host feeding preferences of <i>Anopheles</i> species collected by manual aspiration, mechanical aspiration, and from a vehicle-mounted trap in the Toledo District, Belize, Central America. <i>Journal of the American Mosquito Control Association</i> , 2002, 18, 307-15. | 0.7 | 15        |
| 40 | Effects of Physiological Conditioning on Behavioral Avoidance by Using a Single Age Group of <i>Aedes aegypti</i> Exposed to Deltamethrin and DDT. <i>Journal of Medical Entomology</i> , 2008, 45, 251-259.   | 1.8 | 14        |
| 41 | An improved experimental hut design for the study of <i>Aedes aegypti</i> (Diptera: Culicidae) movement patterns in Thailand. <i>Journal of Vector Ecology</i> , 2010, 35, 428-431.  | 1.0 | 14        |
| 42 | A High Throughput Screening System for Determining the Three Actions of Insecticides Against <i>Aedes aegypti</i> (Diptera: Culicidae) Populations in Thailand. <i>Journal of Medical Entomology</i> , 2010, 47, 833-841.  | 1.8 | 14        |
| 43 | Evaluation of habitat management strategies for the reduction of malaria vectors in northern Belize. <i>Journal of Vector Ecology</i> , 2005, 30, 235-43.  | 1.0 | 14        |
| 44 | Evaluation of the protective efficacy of a spatial repellent to reduce malaria incidence in children in western Kenya compared to placebo: study protocol for a cluster-randomized double-blinded control trial (the AEGIS program). <i>Trials</i> , 2022, 23, 260.          | 1.6 | 14        |
| 45 | Comparative data on the insecticide resistance of <i>Anopheles albimanus</i> in relation to agricultural practices in northern Belize, CA. <i>Journal of Pest Science</i> , 2010, 83, 41-46.   | 3.7 | 13        |
| 46 | Targeting educational campaigns for prevention of malaria and dengue fever: an assessment in Thailand. <i>Parasites and Vectors</i> , 2015, 8, 43.   | 2.5 | 13        |
| 47 | The use of an experimental hut for evaluating the entering and exiting behavior of <i>Aedes aegypti</i> (Diptera: Culicidae), a primary vector of dengue in Thailand. <i>Journal of Vector Ecology</i> , 2005, 30, 344-6.  | 1.0 | 12        |
| 48 | Effects of Preexposure to DEET on the Downstream Blood-Feeding Behaviors of <i>Aedes aegypti</i> (Diptera: Culicidae) Mosquitoes. <i>Journal of Medical Entomology</i> , 2016, 53, 1100-1104.  | 1.8 | 11        |
| 49 | Freshwater community interactions and malaria. , 2006, , 90-104.   |     | 11        |
| 50 | Mosquito control practices and perceptions: An analysis of economic stakeholders during the Zika epidemic in Belize, Central America. <i>PLoS ONE</i> , 2018, 13, e0201075.  | 2.5 | 10        |
| 51 | Experimental evaluation of overhanging bamboo in <i>Anopheles darlingi</i> larval habitat selection in Belize, Central America. <i>Journal of Vector Ecology</i> , 2006, 31, 145-151.  | 1.0 | 9         |
| 52 | Outcomes from international field trials with Male <i>Aedes</i> Sound Traps: Frequency-dependent effectiveness in capturing target species in relation to bycatch abundance. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009061.                                   | 3.0 | 9         |
| 53 | Comparison of life table attributes from newly established colonies of <i>Anopheles albimanus</i> and <i>Anopheles vestitipennis</i> in northern Belize. <i>Journal of Vector Ecology</i> , 2003, 28, 200-7.   | 1.0 | 8         |
| 54 | Is It Time to Formally Recognize Spatial Repellency for Disease Prevention?. <i>Outlooks on Pest Management</i> , 2012, 23, 283-286.   | 0.2 | 7         |

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|----|--|-----|-----------|
| 55 | Influence of Location and Distance of Biogents Sentinel <sup>®</sup> Traps From Human-Occupied Experimental Huts On <i>Aedes aegypti</i> Recapture and Entry Into Huts. <i>Journal of the American Mosquito Control Association</i> , 2018, 34, 201-209. | 0.7 | 7         |
| 56 | Fatty acids in anopheline mosquito larvae and their habitats. <i>Journal of Vector Ecology</i> , 2012, 37, 382-395.  | 1.0 | 6         |
| 57 | First Record and Demonstration of a Southward Expansion of <i>Aedes albopictus</i> into Orange Walk Town, Belize, Central America. <i>Journal of the American Mosquito Control Association</i> , 2013, 29, 380-382.                                      | 0.7 | 6         |
| 58 | Rapid and Sensitive Detection of <i>Bartonella bacilliformis</i> in Experimentally Infected Sand Flies by Loop-Mediated Isothermal Amplification (LAMP) of the Pap31 Gene. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3342.                     | 3.0 | 5         |
| 59 | BG-Sentinel <sup>®</sup> Trap Efficacy As A Component of Proof-Of-Concept For Push-Pull Control Strategy For Dengue Vector Mosquitoes. <i>Journal of the American Mosquito Control Association</i> , 2017, 33, 293-300.                                  | 0.7 | 5         |
| 60 | Effect of the Topical Repellent para-Menthane-3,8-diol on Blood Feeding Behavior and Fecundity of the Dengue Virus Vector <i>Aedes aegypti</i> . <i>Insects</i> , 2018, 9, 60.   | 2.2 | 5         |
| 61 | Community-level impacts of spatial repellents for control of diseases vectored by <i>Aedes aegypti</i> mosquitoes. <i>PLoS Computational Biology</i> , 2020, 16, e1008190.   | 3.2 | 5         |
| 62 | Current Evidence, New Insights, Challenges and Future Outlooks to the Use of Spatial Repellents for Public Health. <i>ACS Symposium Series</i> , 2018, , 25-42.  | 0.5 | 4         |
| 63 | Evaluation of the protective efficacy of a spatial repellent to reduce malaria incidence in children in Mali compared to placebo: study protocol for a cluster-randomized double-blinded control trial (the Tj ETQq1 1 0.784314 rgBT /Over               | 1.0 | 3         |
| 64 | A Comparison Of Two Commercial Mosquito Traps for the Capture Of Malaria Vectors In Northern Belize, Central America. <i>Journal of the American Mosquito Control Association</i> , 2014, 30, 175-183.   | 0.7 | 3         |
| 65 | Current status of spatial repellents in the global vector control community. , 2022, , 267-278.  |     | 3         |
| 66 | Scientific achievements and reflections after 20 years of vector biology and control research at the Pu Teuy mosquito field research station, Thailand. <i>Malaria Journal</i> , 2022, 21, 44.   | 2.3 | 3         |
| 67 | Comparison of Experimental Hut Entrance and Exit Behavior Between <i>Anopheles darlingi</i> from the Cayo District, Belize, and Zungarococha, Peru. <i>Journal of the American Mosquito Control Association</i> , 2013, 29, 319-327.                     | 0.7 | 2         |
| 68 | Dengue Virus-1 Infection Did Not Alter the Behavioral Response of <i>Aedes aegypti</i> (Diptera: Culicidae) to DEET. <i>Journal of Medical Entomology</i> , 2016, 53, 687-691.   | 1.8 | 2         |
| 69 | Comparison of a novel high-throughput screening system with the Bottle assay for evaluating insecticide toxicity. <i>Journal of Pesticide Sciences</i> , 2009, 34, 283-286.  | 1.4 | 1         |
| 70 | Effects of Environmental Conditions on the Movement Patterns of <i>Aedes aegypti</i> (Diptera: Culicidae) into and Out of Experimental Huts in Thailand. <i>Journal of Vector Ecology</i> , 2009, 34, 267-275.   | 1.0 | 0         |