

# Isabel RodrÃ-guez-Barraquer

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

5,207  
citations

126907

33  
h-index

110387

64  
g-index

109  
all docs

109  
docs citations

109  
times ranked

9633  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Risk factor targeting for vaccine prioritization during the COVID-19 pandemic. <i>Scientific Reports</i> , 2022, 12, 3055.  | 3.3  | 19        |
| 2  | Persistence, Magnitude, and Patterns of Postacute Symptoms and Quality of Life Following Onset of SARS-CoV-2 Infection: Cohort Description and Approaches for Measurement. <i>Open Forum Infectious Diseases</i> , 2022, 9, ofab640.              | 0.9  | 56        |
| 3  | COVID-19 Vaccination and Estimated Public Health Impact in California. <i>JAMA Network Open</i> , 2022, 5, e228526.   | 5.9  | 15        |
| 4  | TNF- $\alpha$ + CD4+ T cells dominate the SARS-CoV-2 specific T cell response in COVID-19 outpatients and are associated with durable antibodies. <i>Cell Reports Medicine</i> , 2022, 3, 100640.   | 6.5  | 15        |
| 5  | Using sero-epidemiology to monitor disparities in vaccination and infection with SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, 2451.   | 12.8 | 6         |
| 6  | Beneath the surface: Amino acid variation underlying two decades of dengue virus antigenic dynamics in Bangkok, Thailand. <i>PLoS Pathogens</i> , 2022, 18, e1010500.   | 4.7  | 5         |
| 7  | Assessing the role of multiple mechanisms increasing the age of dengue cases in Thailand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115790119.  | 7.1  | 16        |
| 8  | Genetic variation that determines <i>TAPBP</i> expression levels associates with the course of malaria in an HLA allotype-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1  | 3         |
| 9  | Characterization and Biomarker Analyses of Post-COVID-19 Complications and Neurological Manifestations. <i>Cells</i> , 2021, 10, 386.   | 4.1  | 125       |
| 10 | Within-household clustering of genetically related <i>Plasmodium falciparum</i> infections in a moderate transmission area of Uganda. <i>Malaria Journal</i> , 2021, 20, 68.  | 2.3  | 4         |
| 11 | HLA Alleles B*53:01 and C*06:02 Are Associated With Higher Risk of <i>P. falciparum</i> Parasitemia in a Cohort in Uganda. <i>Frontiers in Immunology</i> , 2021, 12, 650028.   | 4.8  | 9         |
| 12 | Age-Related Changes in Malaria Clinical Phenotypes During Infancy Are Modified by Sickle Cell Trait. <i>Clinical Infectious Diseases</i> , 2021, 73, 1887-1895.   | 5.8  | 4         |
| 13 | The impact of stopping and starting indoor residual spraying on malaria burden in Uganda. <i>Nature Communications</i> , 2021, 12, 2635.  | 12.8 | 37        |
| 14 | Comparison of infection control strategies to reduce COVID-19 outbreaks in homeless shelters in the United States: a simulation study. <i>BMC Medicine</i> , 2021, 19, 116.   | 5.5  | 18        |
| 15 | Evaluation of the extended efficacy of the Dengvaxia vaccine against symptomatic and subclinical dengue infection. <i>Nature Medicine</i> , 2021, 27, 1395-1400.  | 30.7 | 21        |
| 16 | Sources of persistent malaria transmission in a setting with effective malaria control in eastern Uganda: a longitudinal, observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1568-1578.                               | 9.1  | 90        |
| 17 | Routine asymptomatic testing strategies for airline travel during the COVID-19 pandemic: a simulation study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 929-938.  | 9.1  | 46        |
| 18 | SARS-CoV-2 antibody magnitude and detectability are driven by disease severity, timing, and assay. <i>Science Advances</i> , 2021, 7, .   | 10.3 | 117       |

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|----|---|------|-----------|
| 19 | Long-term SARS-CoV-2-specific immune and inflammatory responses in individuals recovering from COVID-19 with and without post-acute symptoms. <i>Cell Reports</i> , 2021, 36, 109518.   | 6.4  | 142       |
| 20 | Trade-offs between individual and ensemble forecasts of an emerging infectious disease. <i>Nature Communications</i> , 2021, 12, 5379.  | 12.8 | 16        |
| 21 | Association of Inhibitory Killer Cell Immunoglobulin-like Receptor Ligands With Higher Plasmodium falciparum Parasite Prevalence. <i>Journal of Infectious Diseases</i> , 2021, 224, 175-183.   | 4.0  | 7         |
| 22 | Universal Polymerase Chain Reaction and Antibody Testing Demonstrate Little to No Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 in a Rural Community. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofaa531.                                     | 0.9  | 9         |
| 23 | The Impact of Multiple Rounds of Indoor Residual Spraying on Malaria Incidence and Hemoglobin Levels in a High-Transmission Setting. <i>Journal of Infectious Diseases</i> , 2020, 221, 304-312.  | 4.0  | 14        |
| 24 | Are Seroprevalence Estimates for Severe Acute Respiratory Syndrome Coronavirus 2 Biased?. <i>Journal of Infectious Diseases</i> , 2020, 222, 1772-1775.   | 4.0  | 81        |
| 25 | A systematic review of antibody mediated immunity to coronaviruses: kinetics, correlates of protection, and association with severity. <i>Nature Communications</i> , 2020, 11, 4704.   | 12.8 | 775       |
| 26 | Estimating malaria incidence from routine health facility-based surveillance data in Uganda. <i>Malaria Journal</i> , 2020, 19, 445.  | 2.3  | 11        |
| 27 | Influenza, Varicella, and Mumps Outbreaks in US Migrant Detention Centers. <i>JAMA - Journal of the American Medical Association</i> , 2020, 325, 180-182.  | 7.4  | 10        |
| 28 | Serology for SARS-CoV-2: Apprehensions, opportunities, and the path forward. <i>Science Immunology</i> , 2020, 5, .   | 11.9 | 138       |
| 29 | Associations between red blood cell variants and malaria among children and adults from three areas of Uganda: a prospective cohort study. <i>Malaria Journal</i> , 2020, 19, 21.   | 2.3  | 8         |
| 30 | Mapping global variation in dengue transmission intensity. <i>Science Translational Medicine</i> , 2020, 12, .  | 12.4 | 131       |
| 31 | Rapid shifts in the age-specific burden of malaria following successful control interventions in four regions of Uganda. <i>Malaria Journal</i> , 2020, 19, 128.  | 2.3  | 21        |
| 32 | The Impact of Control Interventions on Malaria Burden in Young Children in a Historically High-Transmission District of Uganda: A Pooled Analysis of Cohort Studies from 2007 to 2018. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 785-792. | 1.4  | 14        |
| 33 | Malaria Transmission, Infection, and Disease following Sustained Indoor Residual Spraying of Insecticide in Tororo, Uganda. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 1525-1533.  | 1.4  | 43        |
| 34 | Sex-based differences in clearance of chronic Plasmodium falciparum infection. <i>ELife</i> , 2020, 9, .  | 6.0  | 46        |
| 35 | Serological inference of past primary and secondary dengue infection: implications for vaccination. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190207.   | 3.4  | 12        |
| 36 | Pareto rules for malaria super-spreaders and super-spreading. <i>Nature Communications</i> , 2019, 10, 3939.  | 12.8 | 47        |

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|----|---|------|-----------|
| 37 | Heterogeneous local dynamics revealed by classification analysis of spatially disaggregated time series data. <i>Epidemics</i> , 2019, 29, 100357.  | 3.0  | 9         |
| 38 | Dengue pre-vaccination screening and positive predictive values. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 132-134.  | 9.1  | 18        |
| 39 | Impact of Microscopic and Submicroscopic Parasitemia During Pregnancy on Placental Malaria in a High-Transmission Setting in Uganda. <i>Journal of Infectious Diseases</i> , 2019, 220, 457-466.                              | 4.0  | 18        |
| 40 | Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. <i>Science</i> , 2019, 363, 607-610.  | 12.6 | 202       |
| 41 | Long-term circulation of Zika virus in Thailand: an observational study. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 439-446.  | 9.1  | 92        |
| 42 | Impacts of Zika emergence in Latin America on endemic dengue transmission. <i>Nature Communications</i> , 2019, 10, 5730.   | 12.8 | 48        |
| 43 | Persistent Parasitemia Despite Dramatic Reduction in Malaria Incidence After 3 Rounds of Indoor Residual Spraying in Tororo, Uganda. <i>Journal of Infectious Diseases</i> , 2019, 219, 1104-1111.                            | 4.0  | 22        |
| 44 | Nationally-representative serostudy of dengue in Bangladesh allows generalizable disease burden estimates. <i>ELife</i> , 2019, 8, .  | 6.0  | 58        |
| 45 | Opportunities for improved surveillance and control of dengue from age-specific case data. <i>ELife</i> , 2019, 8, .  | 6.0  | 30        |
| 46 | Spatiotemporal incidence of Zika and associated environmental drivers for the 2015-2016 epidemic in Colombia. <i>Scientific Data</i> , 2018, 5, 180073.   | 5.3  | 29        |
| 47 | Dynamics and determinants of the force of infection of dengue virus from 1994 to 2015 in Managua, Nicaragua. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10762-10767. | 7.1  | 26        |
| 48 | Viridot: An automated virus plaque (immunofocus) counter for the measurement of serological neutralizing responses with application to dengue virus. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006862.            | 3.0  | 93        |
| 49 | Reconstruction of antibody dynamics and infection histories to evaluate dengue risk. <i>Nature</i> , 2018, 557, 719-723.  | 27.8 | 213       |
| 50 | Dihydroartemisinin-piperaquine for intermittent preventive treatment of malaria during pregnancy and risk of malaria in early childhood: A randomized controlled trial. <i>PLoS Medicine</i> , 2018, 15, e1002606.            | 8.4  | 21        |
| 51 | Heterogeneous exposure and hotspots for malaria vectors at three study sites in Uganda. <i>Gates Open Research</i> , 2018, 2, 32.   | 1.1  | 17        |
| 52 | Taking Sharper Pictures of Malaria with CAMERAs: Combined Antibodies to Measure Exposure Recency Assays. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1120-1127.                                      | 1.4  | 24        |
| 53 | Quantification of anti-parasite and anti-disease immunity to malaria as a function of age and exposure. <i>ELife</i> , 2018, 7, .   | 6.0  | 100       |
| 54 | Immune correlates of protection for dengue: State of the art and research agenda. <i>Vaccine</i> , 2017, 35, 4659-4669.   | 3.8  | 81        |

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|----|--|------|-----------|
| 55 | Impact of interventions and the incidence of ebola virus disease in Liberiaâ€”implications for future epidemics. <i>Health Policy and Planning</i> , 2017, 32, 205-214.  | 2.7  | 45        |
| 56 | High Hepatitis E Seroprevalence Among Displaced Persons in South Sudan. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 96, 1296-1301.  | 1.4  | 19        |
| 57 | <i>Viral Epidemiology</i> . , 2016, , 241-252.   |      | 4         |
| 58 | The Long-Term Safety, Public Health Impact, and Cost-Effectiveness of Routine Vaccination with a Recombinant, Live-Attenuated Dengue Vaccine (Dengvaxia): A Model Comparison Study. <i>PLoS Medicine</i> , 2016, 13, e1002181. | 8.4  | 178       |
| 59 | Benefits and risks of the Sanofi-Pasteur dengue vaccine: Modeling optimal deployment. <i>Science</i> , 2016, 353, 1033-1036.   | 12.6 | 195       |
| 60 | Trends in the Mechanistic and Dynamic Modeling of Infectious Diseases. <i>Current Epidemiology Reports</i> , 2016, 3, 212-222.   | 2.4  | 27        |
| 61 | Assessing the global threat from Zika virus. <i>Science</i> , 2016, 353, aaf8160.  | 12.6 | 311       |
| 62 | Quantifying Heterogeneous Malaria Exposure and Clinical Protection in a Cohort of Ugandan Children. <i>Journal of Infectious Diseases</i> , 2016, 214, 1072-1080.  | 4.0  | 28        |
| 63 | Dependability of results in conference abstracts of randomized controlled trials in ophthalmology and author financial conflicts of interest as a factor associated with full publication. <i>Trials</i> , 2016, 17, 213.      | 1.6  | 29        |
| 64 | Dengue Virus (DENV) Neutralizing Antibody Kinetics in Children After Symptomatic Primary and Postprimary DENV Infection. <i>Journal of Infectious Diseases</i> , 2016, 213, 1428-1435.   | 4.0  | 36        |
| 65 | Reconstruction of 60 Years of Chikungunya Epidemiology in the Philippines Demonstrates Episodic and Focal Transmission. <i>Journal of Infectious Diseases</i> , 2016, 213, 604-610.  | 4.0  | 72        |
| 66 | Enhancing disease surveillance with novel data streams: challenges and opportunities. <i>EPJ Data Science</i> , 2015, 4, .   | 2.8  | 119       |
| 67 | Robust, reproducible, industrialized, standard membrane feeding assay for assessing the transmission blocking activity of vaccines and drugs against <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2015, 14, 150.    | 2.3  | 18        |
| 68 | Differential efficacy of dengue vaccine by immune status. <i>Lancet, The</i> , 2015, 385, 1726.  | 13.7 | 13        |
| 69 | The Hidden Burden of Dengue and Chikungunya in Chennai, India. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003906.  | 3.0  | 65        |
| 70 | Miltefosine and Antimonial Drug Susceptibility of <i>Leishmania Viannia</i> Species and Populations in Regions of High Transmission in Colombia. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2871.                     | 3.0  | 59        |
| 71 | Variability in Dengue Titer Estimates from Plaque Reduction Neutralization Tests Poses a Challenge to Epidemiological Studies and Vaccine Development. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2952.               | 3.0  | 46        |
| 72 | Revisiting Rayong: Shifting Seroprofiles of Dengue in Thailand and Their Implications for Transmission and Control. <i>American Journal of Epidemiology</i> , 2014, 179, 353-360.  | 3.4  | 76        |

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|----|--|-----|-----------|
| 73 | Potential opportunities and perils of imperfect dengue vaccines. <i>Vaccine</i> , 2014, 32, 514-520.   | 3.8 | 34        |
| 74 | Challenges in the Interpretation of Dengue Vaccine Trial Results. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2126.  | 3.0 | 22        |
| 75 | Noninferiority of Miltefosine Versus Meglumine Antimoniate for Cutaneous Leishmaniasis in Children. <i>Journal of Infectious Diseases</i> , 2012, 205, 684-692.          | 4.0 | 77        |
| 76 | Variation in dengue virus plaque reduction neutralization testing: systematic review and pooled analysis. <i>BMC Infectious Diseases</i> , 2012, 12, 233.                | 2.9 | 54        |
| 77 | From Re-Emergence to Hyperendemicity: The Natural History of the Dengue Epidemic in Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e935.                     | 3.0 | 125       |
| 78 | Etiologic Agent of an Epidemic of Cutaneous Leishmaniasis in Tolima, Colombia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2008, 78, 276-282.             | 1.4 | 36        |
| 79 | Etiologic agent of an epidemic of cutaneous leishmaniasis in Tolima, Colombia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2008, 78, 276-82.              | 1.4 | 19        |
| 80 | Predicting intensities of Zika infection and microcephaly using transmission intensities of other arboviruses. <i>Bulletin of the World Health Organization</i> , 0, , . | 3.3 | 0         |