

Richard G Jarman

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

4,424
citations

201674

27
h-index

182427

51
g-index

55
all docs

55
docs citations

55
times ranked

5621
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective efficacy of multiple vaccine platforms against Zika virus challenge in rhesus monkeys. <i>Science</i> , 2016, 353, 1129-1132.	12.6	461
2	Vaccine protection against Zika virus from Brazil. <i>Nature</i> , 2016, 536, 474-478.	27.8	460
3	Rapid development of a DNA vaccine for Zika virus. <i>Science</i> , 2016, 354, 237-240.	12.6	348
4	Serotype-Specific Differences in the Risk of Dengue Hemorrhagic Fever: An Analysis of Data Collected in Bangkok, Thailand from 1994 to 2006. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e617.	3.0	246
5	Spatial and Temporal Clustering of Dengue Virus Transmission in Thai Villages. <i>PLoS Medicine</i> , 2008, 5, e205.	8.4	221
6	Reconstruction of antibody dynamics and infection histories to evaluate dengue risk. <i>Nature</i> , 2018, 557, 719-723.	27.8	213
7	The Impact of the Demographic Transition on Dengue in Thailand: Insights from a Statistical Analysis and Mathematical Modeling. <i>PLoS Medicine</i> , 2009, 6, e1000139.	8.4	190
8	Dengue Plaque Reduction Neutralization Test (PRNT) in Primary and Secondary Dengue Virus Infections: How Alterations in Assay Conditions Impact Performance. <i>American Journal of Tropical Medicine and Hygiene</i> , 2009, 81, 825-833.	1.4	186
9	Preliminary aggregate safety and immunogenicity results from three trials of a purified inactivated Zika virus vaccine candidate: phase 1, randomised, double-blind, placebo-controlled clinical trials. <i>Lancet</i> , The, 2018, 391, 563-571.	13.7	165
10	A Prospective Nested Case-Control Study of Dengue in Infants: Rethinking and Refining the Antibody-Dependent Enhancement Dengue Hemorrhagic Fever Model. <i>PLoS Medicine</i> , 2009, 6, e1000171.	8.4	142
11	Impact of prior flavivirus immunity on Zika virus infection in rhesus macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006487.	4.7	129
12	Revealing the microscale spatial signature of dengue transmission and immunity in an urban population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9535-9538.	7.1	126
13	Dengue diversity across spatial and temporal scales: Local structure and the effect of host population size. <i>Science</i> , 2017, 355, 1302-1306.	12.6	126
14	Region-wide synchrony and traveling waves of dengue across eight countries in Southeast Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13069-13074.	7.1	112
15	Durability and correlates of vaccine protection against Zika virus in rhesus monkeys. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	108
16	Genetic Mapping of Specific Interactions between <i>Aedes aegypti</i> Mosquitoes and Dengue Viruses. <i>PLoS Genetics</i> , 2013, 9, e1003621.	3.5	105
17	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
18	Underrecognized Mildly Symptomatic Viremic Dengue Virus Infections in Rural Thai Schools and Villages. <i>Journal of Infectious Diseases</i> , 2012, 206, 389-398.	4.0	84

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19	Recent African strains of Zika virus display higher transmissibility and fetal pathogenicity than Asian strains. <i>Nature Communications</i> , 2021, 12, 916.	12.8	80
20	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
21	Next Generation Sequencing and Bioinformatics Methodologies for Infectious Disease Research and Public Health: Approaches, Applications, and Considerations for Development of Laboratory Capacity. <i>Journal of Infectious Diseases</i> , 2020, 221, S292-S307.	4.0	64
22	Enhanced Zika virus susceptibility of globally invasive <i>Aedes aegypti</i> populations. <i>Science</i> , 2020, 370, 991-996.	12.6	61
23	Potent Zika and dengue cross-neutralizing antibodies induced by Zika vaccination in a dengue-experienced donor. <i>Nature Medicine</i> , 2020, 26, 228-235.	30.7	61
24	Microevolution of Dengue Viruses Circulating among Primary School Children in Kamphaeng Phet, Thailand. <i>Journal of Virology</i> , 2008, 82, 5494-5500.	3.4	54
25	Space-time analysis of hospitalised dengue patients in rural Thailand reveals important temporal intervals in the pattern of dengue virus transmission. <i>Tropical Medicine and International Health</i> , 2012, 17, 1076-1085.	2.3	51
26	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
27	Antigenic evolution of dengue viruses over 20 years. <i>Science</i> , 2021, 374, 999-1004.	12.6	34
28	Frequent In-Migration and Highly Focal Transmission of Dengue Viruses among Children in Kamphaeng Phet, Thailand. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e1990.	3.0	31
29	Characteristics of Mild Dengue Virus Infection in Thai Children. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013, 89, 1081-1087.	1.4	29
30	Differential Susceptibility of Two Field <i>Aedes aegypti</i> Populations to a Low Infectious Dose of Dengue Virus. <i>PLoS ONE</i> , 2014, 9, e92971.	2.5	26
31	Improving Dengue Virus Capture Rates in Humans and Vectors in Kamphaeng Phet Province, Thailand, Using an Enhanced Spatiotemporal Surveillance Strategy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 24-32.	1.4	26
32	Metagenomic Analysis Reveals Three Novel and Prevalent Mosquito Viruses from a Single Pool of <i>Aedes vexans nipponii</i> Collected in the Republic of Korea. <i>Viruses</i> , 2019, 11, 222.	3.3	26
33	Transcriptional and clonal characterization of B cell plasmablast diversity following primary and secondary natural DENV infection. <i>EBioMedicine</i> , 2020, 54, 102733.	6.1	25
34	Temporally integrated single cell RNA sequencing analysis of PBMC from experimental and natural primary human DENV-1 infections. <i>PLoS Pathogens</i> , 2021, 17, e1009240.	4.7	23
35	Designed, highly expressing, thermostable dengue virus 2 envelope protein dimers elicit quaternary epitope antibodies. <i>Science Advances</i> , 2021, 7, eabg4084.	10.3	22
36	A Phase 1, Open-Label Assessment of a Dengue Virus-1 Live Virus Human Challenge Strain. <i>Journal of Infectious Diseases</i> , 2021, 223, 258-267.	4.0	21

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37	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
38	Route of inoculation and mosquito vector exposure modulate dengue virus replication kinetics and immune responses in rhesus macaques. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008191.	3.0	20
39	Multiplexed FluoroSpot for the Analysis of Dengue Virus and Zika Virus Specific and Cross-Reactive Memory B Cells. <i>Journal of Immunology</i> , 2018, 201, 3804-3814.	0.8	18
40	Monitoring and improving the sensitivity of dengue nested RT-PCR used in longitudinal surveillance in Thailand. <i>Journal of Clinical Virology</i> , 2015, 63, 25-31.	3.1	17
41	Does prior dengue virus exposure worsen clinical outcomes of Zika virus infection? A systematic review, pooled analysis and lessons learned. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007060.	3.0	17
42	Reconstructing unseen transmission events to infer dengue dynamics from viral sequences. <i>Nature Communications</i> , 2021, 12, 1810.	12.8	12
43	Enhanced dengue vaccine virus replication and neutralizing antibody responses in immune primed rhesus macaques. <i>Npj Vaccines</i> , 2021, 6, 77.	6.0	11
44	Elevated transmission of upper respiratory illness among new recruits in military barracks in Thailand. <i>Influenza and Other Respiratory Viruses</i> , 2015, 9, 308-314.	3.4	10
45	Pre-existing Immunity to Japanese Encephalitis Virus Alters CD4 T Cell Responses to Zika Virus Inactivated Vaccine. <i>Frontiers in Immunology</i> , 2021, 12, 640190.	4.8	10
46	Retrospective use of next-generation sequencing reveals the presence of Enteroviruses in acute influenza-like illness respiratory samples collected in South/South-East Asia during 2010-2013. <i>Journal of Clinical Virology</i> , 2017, 94, 91-99.	3.1	8
47	Analysis of cell-associated DENV RNA by oligo(dT) primed 5' cap capture scRNAseq. <i>Scientific Reports</i> , 2020, 10, 9047.	3.3	7
48	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
49	Effect of low-passage number on dengue consensus genomes and intra-host variant frequencies. <i>Journal of General Virology</i> , 2021, 102, .	2.9	3
50	Precision Tracing of Household Dengue Spread Using Inter- and Intra-Host Viral Variation Data, Kamphaeng Phet, Thailand. <i>Emerging Infectious Diseases</i> , 2021, 27, 1637-1644.	4.3	2
51	A Department of Defense Laboratory Consortium Approach to Next Generation Sequencing and Bioinformatics Training for Infectious Disease Surveillance in Kenya. <i>Frontiers in Genetics</i> , 2020, 11, 577563.	2.3	1
52	The seroepidemiology of dengue in a US military population based in Puerto Rico during the early phase of the Zika pandemic. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0009986.	3.0	1