Eva Harris

List of Publications by Year
in descending order

234 papers	19,106 citations	10979 71 h-index	15249 126 g-index
247 all docs	247 docs citations	247 times ranked	16694 citing authors

#	Article	IF	Citations
1	Dengue. Lancet, The, 2015, 385, 453-465.	6.3	982
2	Antibody-dependent enhancement of severe dengue disease in humans. Science, 2017, 358, 929-932.	6.0	800
3	Specificity, cross-reactivity, and function of antibodies elicited by Zika virus infection. Science, 2016, 353, 823-826.	6.0	675
4	The Human Immune Response to Dengue Virus Is Dominated by Highly Cross-Reactive Antibodies Endowed with Neutralizing and Enhancing Activity. Cell Host and Microbe, 2010, 8, 271-283.	5.1	526
5	Zika Virus Targets Different Primary Human Placental Cells, Suggesting Two Routes for Vertical Transmission. Cell Host and Microbe, 2016, 20, 155-166.	5.1	425
6	Dengue virus NS1 triggers endothelial permeability and vascular leak that is prevented by NS1 vaccination. Science Translational Medicine, 2015, 7, 304ra141.	5.8	392
7	Lethal Antibody Enhancement of Dengue Disease in Mice Is Prevented by Fc Modification. PLoS Pathogens, 2010, 6, e1000790.	2.1	353
8	Dengue subgenomic RNA binds TRIM25 to inhibit interferon expression for epidemiological fitness. Science, 2015, 350, 217-221.	6.0	338
9	Murine Model for Dengue Virus-Induced Lethal Disease with IncreasedVascular Permeability. Journal of Virology, 2006, 80, 10208-10217.	1.5	316
10	Interferon-Dependent Immunity Is Essential for Resistance to Primary Dengue Virus Infection in Mice, Whereas T- and B-Cell-Dependent Immunity Are Less Critical. Journal of Virology, 2004, 78, 2701-2710.	1.5	287
11	Convergent Antibody Signatures in Human Dengue. Cell Host and Microbe, 2013, 13, 691-700.	5.1	271
12	DIFFERENCES IN DENGUE SEVERITY IN INFANTS, CHILDREN, AND ADULTS IN A 3-YEAR HOSPITAL-BASED STUDY IN NICARAGUA. American Journal of Tropical Medicine and Hygiene, 2005, 73, 1063-1070.	0.6	255
13	Viremia and Clinical Presentation in Nicaraguan Patients Infected With Zika Virus, Chikungunya Virus, and Dengue Virus. Clinical Infectious Diseases, 2016, 63, 1584-1590.	2.9	249
14	Dengue Virus NS1 Disrupts the Endothelial Glycocalyx, Leading to Hyperpermeability. PLoS Pathogens, 2016, 12, e1005738.	2.1	245
15	Dynamics of Dengue Disease Severity Determined by the Interplay Between Viral Genetics and Serotype-Specific Immunity. Science Translational Medicine, 2011, 3, 114ra128.	5.8	244
16	Infection of Human Cells by Dengue Virus Is Modulated by Different Cell Types and Viral Strains. Journal of Virology, 2000, 74, 7814-7823.	1.5	223
17	SEROTYPE-SPECIFIC DIFFERENCES IN CLINICAL MANIFESTATIONS OF DENGUE. American Journal of Tropical Medicine and Hygiene, 2006, 74, 449-456.	0.6	218
18	Typing of Dengue Viruses in Clinical Specimens and Mosquitoes by Single-Tube Multiplex Reverse Transcriptase PCR. Journal of Clinical Microbiology, 1998, 36, 2634-2639.	1.8	216

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19	Precursors of human CD4 ⁺ cytotoxic T lymphocytes identified by single-cell transcriptome analysis. Science Immunology, 2018, 3, .	5.6	209
20	Cryo-EM structure of an antibody that neutralizes dengue virus type 2 by locking E protein dimers. Science, 2015, 349, 88-91.	6.0	208
21	Symptomatic Versus Inapparent Outcome in Repeat Dengue Virus Infections Is Influenced by the Time Interval between Infections and Study Year. PLoS Neglected Tropical Diseases, 2013, 7, e2357.	1.3	205
22	Impact of preexisting dengue immunity on Zika virus emergence in a dengue endemic region. Science, 2019, 363, 607-610.	6.0	202
23	Tropism of Dengue Virus in Mice and Humans Defined by Viral Nonstructural Protein 3-Specific Immunostaining. American Journal of Tropical Medicine and Hygiene, 2009, 80, 416-424.	0.6	199
24	Dengue viruses cluster antigenically but not as discrete serotypes. Science, 2015, 349, 1338-1343.	6.0	195
25	Flavivirus NS1 Triggers Tissue-Specific Vascular Endothelial Dysfunction Reflecting Disease Tropism. Cell Reports, 2019, 26, 1598-1613.e8.	2.9	192
26	Phenotyping of peripheral blood mononuclear cells during acute dengue illness demonstrates infection and increased activation of monocytes in severe cases compared to classic dengue fever. Virology, 2008, 376, 429-435.	1.1	190
27	Structure and Function Analysis of Therapeutic Monoclonal Antibodies against Dengue Virus Type 2. Journal of Virology, 2010, 84, 9227-9239.	1.5	189
28	Innate Immunity to Dengue Virus Infection and Subversion of Antiviral Responses. Journal of Molecular Biology, 2014, 426, 1148-1160.	2.0	189
29	Evaluation of the Traditional and Revised WHO Classifications of Dengue Disease Severity. PLoS Neglected Tropical Diseases, 2011, 5, e1397.	1.3	185
30	Obesity Increases the Duration of Influenza A Virus Shedding in Adults. Journal of Infectious Diseases, 2018, 218, 1378-1382.	1.9	178
31	CD14+CD16+ monocytes are the main target of Zika virus infection in peripheral blood mononuclear cells in a paediatric study in Nicaragua. Nature Microbiology, 2017, 2, 1462-1470.	5.9	171
32	Zika virus infection enhances future risk of severe dengue disease. Science, 2020, 369, 1123-1128.	6.0	171
33	Evidence based community mobilization for dengue prevention in Nicaragua and Mexico (<i>Camino) Tj ETQq1 1 0.784314 rgBT /Overl	3.0	166
34	Antibody-based assay discriminates Zika virus infection from other flaviviruses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8384-8389.	3.3	161
35	Trends in Patterns of Dengue Transmission over 4 Years in a Pediatric Cohort Study in Nicaragua. Journal of Infectious Diseases, 2010, 201, 5-14.	1.9	158
36	Mouse STAT2 Restricts Early Dengue Virus Replication. Cell Host and Microbe, 2010, 8, 410-421.	5.1	156

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37	Neutralizing antibody titers against dengue virus correlate with protection from symptomatic infection in a longitudinal cohort. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 728-733.	3.3	156
38	A potent antiâ€dengue human antibody preferentially recognizes the conformation of <scp>E</scp> protein monomers assembled on the virus surface. EMBO Molecular Medicine, 2014, 6, 358-371.	3.3	154
39	Dengue: knowledge gaps, unmet needs, and research priorities. Lancet Infectious Diseases, The, 2017, 17, e88-e100.	4.6	153
40	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. Journal of Virology, 2017, 91, .	1.5	148
41	Dengue Viruses Are Enhanced by Distinct Populations of Serotype Cross-Reactive Antibodies in Human Immune Sera. PLoS Pathogens, 2014, 10, e1004386.	2.1	144
42	Epidemiological Risk Factors Associated with High Global Frequency of Inapparent Dengue Virus Infections. Frontiers in Immunology, 2014, 5, 280.	2.2	144
43	The Potent and Broadly Neutralizing Human Dengue Virus-Specific Monoclonal Antibody 1C19 Reveals a Unique Cross-Reactive Epitope on the bc Loop of Domain II of the Envelope Protein. MBio, 2013, 4, e00873-13.	1.8	143
44	Single-Reaction Multiplex Reverse Transcription PCR for Detection of Zika, Chikungunya, and Dengue Viruses. Emerging Infectious Diseases, 2016, 22, 1295-1297.	2.0	142
45	High seroprevalence of antibodies against dengue virus in a prospective study of schoolchildren in Managua, Nicaragua. Tropical Medicine and International Health, 2006, 11, 935-942.	1.0	138
46	The Good, the Bad, and the Shocking: The Multiple Roles of Dengue Virus Nonstructural Protein 1 in Protection and Pathogenesis. Annual Review of Virology, 2018, 5, 227-253.	3.0	138
47	Differences in dengue severity in infants, children, and adults in a 3-year hospital-based study in Nicaragua. American Journal of Tropical Medicine and Hygiene, 2005, 73, 1063-70.	0.6	137
48	Dengue virus NS1 cytokine-independent vascular leak is dependent on endothelial glycocalyx components. PLoS Pathogens, 2017, 13, e1006673.	2.1	135
49	Prior dengue virus infection and risk of Zika: A pediatric cohort in Nicaragua. PLoS Medicine, 2019, 16, e1002726.	3.9	130
50	Human CD8⁺T-Cell Responses Against the 4 Dengue Virus Serotypes Are Associated With Distinct Patterns of Protein Targets. Journal of Infectious Diseases, 2015, 212, 1743-1751.	1.9	129
51	Serotype-specific differences in clinical manifestations of dengue. American Journal of Tropical Medicine and Hygiene, 2006, 74, 449-56.	0.6	127
52	Poly(A)-binding protein binds to the non-polyadenylated 3â€² untranslated region of dengue virus and modulates translation efficiency. Journal of General Virology, 2009, 90, 687-692.	1.3	124
53	Longitudinal Analysis of Antibody Cross-neutralization Following Zika Virus and Dengue Virus Infection in Asia and the Americas. Journal of Infectious Diseases, 2018, 218, 536-545.	1.9	124
54	Tropism of dengue virus in mice and humans defined by viral nonstructural protein 3-specific immunostaining. American Journal of Tropical Medicine and Hygiene, 2009, 80, 416-24.	0.6	123

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55	A Human Bi-specific Antibody against Zika Virus with High Therapeutic Potential. Cell, 2017, 171, 229-241.e15.	13.5	118
56	The Nicaraguan Pediatric Dengue Cohort Study: Study Design, Methods, Use of Information Technology, and Extension to Other Infectious Diseases. American Journal of Epidemiology, 2009, 170, 120-129.	1.6	117
57	Diagnosis of Dengue Virus Infection by Detection of Specific Immunoglobulin M (IgM) and IgA Antibodies in Serum and Saliva. Vaccine Journal, 2003, 10, 317-322.	3.2	115
58	Characterization of a model of lethal dengue virus 2 infection in C57BL/6 mice deficient in the alpha/beta interferon receptor. Journal of General Virology, 2012, 93, 2152-2157.	1.3	114
59	Homotypic Dengue Virus Reinfections in Nicaraguan Children. Journal of Infectious Diseases, 2016, 214, 986-993.	1.9	100
60	Monocyte Recruitment to the Dermis and Differentiation to Dendritic Cells Increases the Targets for Dengue Virus Replication. PLoS Pathogens, 2014, 10, e1004541.	2.1	97
61	Building scientific capacity in developing countries. EMBO Reports, 2004, 5, 7-11.	2.0	96
62	Dendritic Cells in Dengue Virus Infection: Targets of Virus Replication and Mediators of Immunity. Frontiers in Immunology, 2014, 5, 647.	2.2	96
63	Capturing sequence diversity in metagenomes with comprehensive and scalable probe design. Nature Biotechnology, 2019, 37, 160-168.	9.4	96
64	The Nicaraguan Pediatric Dengue Cohort Study: Incidence of Inapparent and Symptomatic Dengue Virus Infections, 2004â€“2010. PLoS Neglected Tropical Diseases, 2013, 7, e2462.	1.3	94
65	Single-Reaction, Multiplex, Real-Time RT-PCR for the Detection, Quantitation, and Serotyping of Dengue Viruses. PLoS Neglected Tropical Diseases, 2013, 7, e2116.	1.3	93
66	Dominant Cross-Reactive B Cell Response during Secondary Acute Dengue Virus Infection in Humans. PLoS Neglected Tropical Diseases, 2012, 6, e1568.	1.3	91
67	Protection from Secondary Dengue Virus Infection in a Mouse Model Reveals the Role of Serotype Cross-Reactive B and T Cells. Journal of Immunology, 2012, 188, 404-416.	0.4	88
68	Rapid and specific detection of Asian- and African-lineage Zika viruses. Science Translational Medicine, 2017, 9, .	5.8	86
69	Mosquito Saliva Increases Endothelial Permeability in the Skin, Immune Cell Migration, and Dengue Pathogenesis during Antibody-Dependent Enhancement. PLoS Pathogens, 2016, 12, e1005676.	2.1	86
70	Correlation between Dengue-Specific Neutralizing Antibodies and Serum Avidity in Primary and Secondary Dengue Virus 3 Natural Infections in Humans. PLoS Neglected Tropical Diseases, 2013, 7, e2274.	1.3	84
71	Genomic Epidemiology Reconstructs the Introduction and Spread of Zika Virus in Central America and Mexico. Cell Host and Microbe, 2018, 23, 855-864.e7.	5.1	82
72	Mosquito Biting Modulates Skin Response to Virus Infection. Trends in Parasitology, 2017, 33, 645-657.	1.5	81

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73	Immune correlates of protection for dengue: State of the art and research agenda. Vaccine, 2017, 35, 4659-4669.	1.7	81
74	Economic and Disease Burden of Dengue in Mexico. PLoS Neglected Tropical Diseases, 2015, 9, e0003547.	1.3	80
75	Seroprevalence, risk factor, and spatial analyses of Zika virus infection after the 2016 epidemic in Managua, Nicaragua. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9294-9299.	3.3	78
76	Global Assessment of Dengue Virus-Specific CD4+ T Cell Responses in Dengue-Endemic Areas. Frontiers in Immunology, 2017, 8, 1309.	2.2	77
77	Structural basis for antibody inhibition of flavivirus NS1â€"triggered endothelial dysfunction. Science, 2021, 371, 194-200.	6.0	74
78	Assessing the epidemiological effect of wolbachia for dengue control. Lancet Infectious Diseases, The, 2015, 15, 862-866.	4.6	73
79	High Dengue Case Capture Rate in Four Years of a Cohort Study in Nicaragua Compared to National Surveillance Data. PLoS Neglected Tropical Diseases, 2010, 4, e633.	1.3	72
80	Regulation of Flavivirus RNA synthesis and replication. Current Opinion in Virology, 2014, 9, 74-83.	2.6	72
81	Immunodominant Dengue Virus-Specific CD8 ⁺ T Cell Responses Are Associated with a Memory PD-1 ⁺ Phenotype. Journal of Virology, 2016, 90, 4771-4779.	1.5	71
82	Diagnosis of Zika Virus Infection by Peptide Array and Enzyme-Linked Immunosorbent Assay. MBio, 2018, 9, .	1.8	70
83	Cutting Edge: Transcriptional Profiling Reveals Multifunctional and Cytotoxic Antiviral Responses of Zika Virusâ€"Specific CD8+ T Cells. Journal of Immunology, 2018, 201, 3487-3491.	0.4	70
84	Zika Virus Replicates in Proliferating Cells in Explants From First-Trimester Human Placentas, Potential Sites for Dissemination of Infection. Journal of Infectious Diseases, 2018, 217, 1202-1213.	1.9	69
85	Iminosugars Inhibit Dengue Virus Production via Inhibition of ER Alpha-Glucosidasesâ€"Not Glycolipid Processing Enzymes. PLoS Neglected Tropical Diseases, 2016, 10, e0004524.	1.3	69
86	Therapeutic Efficacy of Antibodies Lacking FcÎ³R against Lethal Dengue Virus Infection Is Due to Neutralizing Potency and Blocking of Enhancing Antibodies. PLoS Pathogens, 2013, 9, e1003157.	2.1	67
87	Dengue Reporter Virus Particles for Measuring Neutralizing Antibodies against Each of the Four Dengue Serotypes. PLoS ONE, 2011, 6, e27252.	1.1	66
88	Distinguishing Secondary Dengue Virus Infection From Zika Virus Infection With Previous Dengue by a Combination of 3 Simple Serological Tests. Clinical Infectious Diseases, 2017, 65, 1829-1836.	2.9	66
89	Comprehensive innate immune profiling of chikungunya virus infection in pediatric cases. Molecular Systems Biology, 2018, 14, e7862.	3.2	66
90	Dissecting the human serum antibody response to secondary dengue virus infections. PLoS Neglected Tropical Diseases, 2017, 11, e0005554.	1.3	63

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91	Molecular Biology of Flaviviruses. Novartis Foundation Symposium, 2008, , 23-40.	1.2	61
92	Endocytosis of flavivirus NS1 is required for NS1-mediated endothelial hyperpermeability and is abolished by a single N-glycosylation site mutation. PLoS Pathogens, 2019, 15, e1007938.	2.1	61
93	Evaluation of immunological markers in serum, filter-paper blood spots, and saliva for dengue diagnosis and epidemiological studies. Journal of Clinical Virology, 2008, 43, 287-291.	1.6	59
94	Antibody Epitopes Identified in Critical Regions of Dengue Virus Nonstructural 1 Protein in Mouse Vaccination and Natural Human Infections. Journal of Immunology, 2017, 198, 4025-4035.	0.4	59
95	Comparison of Four Serological Methods and Two Reverse Transcription-PCR Assays for Diagnosis and Surveillance of Zika Virus Infection. Journal of Clinical Microbiology, 2018, 56, .	1.8	58
96	Analysis of Cross-Reactive Antibodies Recognizing the Fusion Loop of Envelope Protein and Correlation with Neutralizing Antibody Titers in Nicaraguan Dengue Cases. PLoS Neglected Tropical Diseases, 2013, 7, e2451.	1.3	57
97	FcRn, but not FcÎ³Rs, drives maternal-fetal transplacental transport of human IgG antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12943-12951.	3.3	55
98	Lower Low-Density Lipoprotein Cholesterol Levels Are Associated with Severe Dengue Outcome. PLoS Neglected Tropical Diseases, 2015, 9, e0003904.	1.3	54
99	Metabolomics-Based Discovery of Small Molecule Biomarkers in Serum Associated with Dengue Virus Infections and Disease Outcomes. PLoS Neglected Tropical Diseases, 2016, 10, e0004449.	1.3	53
100	Development of Envelope Protein Antigens To Serologically Differentiate Zika Virus Infection from Dengue Virus Infection. Journal of Clinical Microbiology, 2018, 56, .	1.8	53
101	Temporal Dynamics of the Transcriptional Response to Dengue Virus Infection in Nicaraguan Children. PLoS Neglected Tropical Diseases, 2012, 6, e1966.	1.3	52
102	Inhibition of endoplasmic reticulum glucosidases is required for inÂvitro and inÂvivo dengue antiviral activity by the iminosugar UV-4. Antiviral Research, 2016, 129, 93-98.	1.9	52
103	Clinical development and regulatory points for consideration for second-generation live attenuated dengue vaccines. Vaccine, 2018, 36, 3411-3417.	1.7	52
104	The decline of dengue in the Americas in 2017: discussion of multiple hypotheses. Tropical Medicine and International Health, 2019, 24, 442-453.	1.0	50
105	Rearing of Culex spp. and Aedes spp. Mosquitoes. Bio-protocol, 2017, 7, .	0.2	49
106	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. Journal of Virology, 2020, 94, .	1.5	49
107	Clinical evaluation of a single-reaction real-time RT-PCR for pan-dengue and chikungunya virus detection. Journal of Clinical Virology, 2016, 78, 57-61.	1.6	48
108	Recent advances in understanding the adaptive immune response to Zika virus and the effect of previous flavivirus exposure. Virus Research, 2018, 254, 27-33.	1.1	48

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109	Passive Transfer of Immune Sera Induced by a Zika Virus-Like Particle Vaccine Protects AG129 Mice Against Lethal Zika Virus Challenge. EBioMedicine, 2018, 27, 61-70.	2.7	46
110	Evaluation of the Diagnostic Utility of the Traditional and Revised WHO Dengue Case Definitions. PLoS Neglected Tropical Diseases, 2013, 7, e2385.	1.3	45
111	Intrahost Selection Pressures Drive Rapid Dengue Virus Microevolution in Acute Human Infections. Cell Host and Microbe, 2017, 22, 400-410.e5.	5.1	45
112	Impact of pre-existing dengue immunity on human antibody and memory B cell responses to Zika. Nature Communications, 2019, 10, 938.	5.8	44
113	Comprehensive Immunoprofiling of Pediatric Zika Reveals Key Role for Monocytes in the Acute Phase and No Effect of Prior Dengue Virus Infection. Cell Reports, 2020, 31, 107569.	2.9	43
114	Modulation of Dengue Virus Infection in Human Cells by Alpha, Beta, and Gamma Interferons. Journal of Virology, 2000, 74, 4957-4966.	1.5	42
115	Protective and enhancing interactions among dengue viruses 1-4 and Zika virus. Current Opinion in Virology, 2020, 43, 59-70.	2.6	41
116	Characterization of<i>Aedes aegypti</i>(Diptera: Culcidae) Production Sites in Urban Nicaragua. Journal of Medical Entomology, 2007, 44, 851-860.	0.9	40
117	Molecular biology of flaviviruses. Novartis Foundation Symposium, 2006, 277, 23-39; discussion 40, 71-3, 251-3.	1.2	40
118	Increased Replicative Fitness of a Dengue Virus 2 Clade in Native Mosquitoes: Potential Contribution to a Clade Replacement Event in Nicaragua. Journal of Virology, 2014, 88, 13125-13134.	1.5	39
119	Seroprevalence of Anti-Chikungunya Virus Antibodies in Children and Adults in Managua, Nicaragua, After the First Chikungunya Epidemic, 2014-2015. PLoS Neglected Tropical Diseases, 2016, 10, e0004773.	1.3	37
120	Epidemiological Evidence for Lineage-Specific Differences in the Risk of Inapparent Chikungunya Virus Infection. Journal of Virology, 2019, 93, .	1.5	37
121	Uncovering the Burden of Dengue in Africa: Considerations on Magnitude, Misdiagnosis, and Ancestry. Viruses, 2022, 14, 233.	1.5	36
122	Index Cluster Study of Dengue Virus Infection in Nicaragua. American Journal of Tropical Medicine and Hygiene, 2010, 83, 683-689.	0.6	35
123	Molecular Signatures of Dengue Virus-Specific IL-10/IFN-Î³ Co-producing CD4ÂT Cells and Their Association with Dengue Disease. Cell Reports, 2019, 29, 4482-4495.e4.	2.9	35
124	Mobilising communities for Aedes aegypti control: the SEPA approach. BMC Public Health, 2017, 17, 403.	1.2	34
125	Zika Virus Nonstructural Protein 1 Disrupts Glycosaminoglycans and Causes Permeability in Developing Human Placentas. Journal of Infectious Diseases, 2020, 221, 313-324.	1.9	34
126	Clinical Spectrum of Severe Acute Respiratory Syndrome Coronavirus 2 Infection and Protection From Symptomatic Reinfection. Clinical Infectious Diseases, 2022, 75, e257-e266.	2.9	33

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127	Infectious Chikungunya Virus in the Saliva of Mice, Monkeys and Humans. PLoS ONE, 2015, 10, e0139481.	1.1	32
128	Dengue and Zika virus infections in children elicit cross-reactive protective and enhancing antibodies that persist long term. Science Translational Medicine, 2021, 13, eabg9478.	5.8	32
129	The Nicaraguan pediatric influenza cohort study: design, methods, use of technology, and compliance. BMC Infectious Diseases, 2015, 15, 504.	1.3	30
130	Functional Transplant of a Dengue Virus Serotype 3 (DENV3)-Specific Human Monoclonal Antibody Epitope into DENV1. Journal of Virology, 2016, 90, 5090-5097.	1.5	30
131	Age-dependent manifestations and case definitions of paediatric Zika: a prospective cohort study. Lancet Infectious Diseases, The, 2020, 20, 371-380.	4.6	30
132	Differences in Transmission and Disease Severity Between 2 Successive Waves of Chikungunya. Clinical Infectious Diseases, 2018, 67, 1760-1767.	2.9	29
133	Which Dengue Vaccine Approach Is the Most Promising, and Should We Be Concerned about Enhanced Disease after Vaccination?. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029371.	2.3	29
134	Antibody-Dependent Enhancement of Severe Disease Is Mediated by Serum Viral Load in Pediatric Dengue Virus Infections. Journal of Infectious Diseases, 2020, 221, 1846-1854.	1.9	29
135	Unusual Dengue Virus 3 Epidemic in Nicaragua, 2009. PLoS Neglected Tropical Diseases, 2011, 5, e1394.	1.3	28
136	Multiplex Nucleic Acid Amplification Test for Diagnosis of Dengue Fever, Malaria, and Leptospirosis. Journal of Clinical Microbiology, 2014, 52, 2011-2018.	1.8	28
137	Single-Cell Analysis of B Cell/Antibody Cross-Reactivity Using a Novel Multicolor FluoroSpot Assay. Journal of Immunology, 2015, 195, 3490-3496.	0.4	27
138	Clinical Attack Rate of Chikungunya in a Cohort of Nicaraguan Children. American Journal of Tropical Medicine and Hygiene, 2016, 94, 397-399.	0.6	27
139	Camino Verde (The Green Way): evidence-based community mobilisation for dengue control in Nicaragua and Mexico: feasibility study and study protocol for a randomised controlled trial. BMC Public Health, 2017, 17, 407.	1.2	27
140	Magnitude and Functionality of the NS1-Specific Antibody Response Elicited by a Live-Attenuated Tetravalent Dengue Vaccine Candidate. Journal of Infectious Diseases, 2020, 221, 867-877.	1.9	27
141	Improvement in Hospital Indicators after Changes in Dengue Case Management in Nicaragua. American Journal of Tropical Medicine and Hygiene, 2009, 81, 287-292.	0.6	27
142	Dynamics and determinants of the force of infection of dengue virus from 1994 to 2015 in Managua, Nicaragua. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10762-10767.	3.3	26
143	Effects of infection history on dengue virus infection and pathogenicity. Nature Communications, 2019, 10, 1246.	5.8	26
144	Dengue virus specific IgY provides protection following lethal dengue virus challenge and is neutralizing in the absence of inducing antibody dependent enhancement. PLoS Neglected Tropical Diseases, 2017, 11, e0005721.	1.3	26

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145	Identification of Dengue Virus Serotype 3 Specific Antigenic Sites Targeted by Neutralizing Human Antibodies. Cell Host and Microbe, 2020, 27, 710-724.e7.	5.1	25
146	Risk Factors Associated With SARS-CoV-2 Infection Among Farmworkers in Monterey County, California. JAMA Network Open, 2021, 4, e2124116.	2.8	25
147	Combination of Nonstructural Protein 1-Based Enzyme-Linked Immunosorbent Assays Can Detect and Distinguish Various Dengue Virus and Zika Virus Infections. Journal of Clinical Microbiology, 2019, 57, .	1.8	24
148	Differing epidemiological dynamics of Chikungunya virus in the Americas during the 2014-2015 epidemic. PLoS Neglected Tropical Diseases, 2018, 12, e0006670.	1.3	23
149	Cyclic Dinucleotideâ€"Adjuvanted Dengue Virus Nonstructural Protein 1 Induces Protective Antibody and T Cell Responses. Journal of Immunology, 2019, 202, 1153-1162.	0.4	23
150	Developmental outcomes in children exposed to Zika virus in utero from a Brazilian urban slum cohort study. PLoS Neglected Tropical Diseases, 2021, 15, e0009162.	1.3	22
151	Zika virus infection of first-trimester human placentas: utility of an explant model of replication to evaluate correlates of immune protection ex vivo. Current Opinion in Virology, 2017, 27, 48-56.	2.6	21
152	Augmented Zika and Dengue Neutralizing Antibodies Are Associated With Guillain-BarrÃ© Syndrome. Journal of Infectious Diseases, 2019, 219, 26-30.	1.9	21
153	Antibody Fc characteristics and effector functions correlate with protection from symptomatic dengue virus type 3 infection. Science Translational Medicine, 2022, 14, .	5.8	21
154	Studying the Endothelial Glycocalyx in vitro: What Is Missing?. Frontiers in Cardiovascular Medicine, 2021, 8, 647086.	1.1	20
155	Knowledge gaps in the epidemiology of severe dengue impede vaccine evaluation. Lancet Infectious Diseases, The, 2022, 22, e42-e51.	4.6	20
156	Previous exposure to dengue virus is associated with increased Zika virus burden at the maternal-fetal interface in rhesus macaques. PLoS Neglected Tropical Diseases, 2021, 15, e0009641.	1.3	20
157	In silico drug repurposing for the identification of potential candidate molecules against arboviruses infection. Antiviral Research, 2020, 173, 104668.	1.9	19
158	International prospective observational cohort study of Zika in infants and pregnancy (ZIP study): study protocol. BMC Pregnancy and Childbirth, 2019, 19, 282.	0.9	18
159	Technology, innovation and health equity. Bulletin of the World Health Organization, 2015, 93, 438-438A.	1.5	18
160	Chikungunya Virus Sequences Across the First Epidemic in Nicaragua, 2014â€"2015. American Journal of Tropical Medicine and Hygiene, 2016, 94, 400-403.	0.6	17
161	The Role of Heterotypic DENV-specific CD8+T Lymphocytes in an Immunocompetent Mouse Model of Secondary Dengue Virus Infection. EBioMedicine, 2017, 20, 202-216.	2.7	17
162	Primary and Secondary Dengue Virus Infections Elicit Similar Memory B-Cell Responses, but Breadth to Other Serotypes and Cross-Reactivity to Zika Virus Is Higher in Secondary Dengue. Journal of Infectious Diseases, 2020, 222, 590-600.	1.9	17

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164	Improvement in hospital indicators after changes in dengue case management in Nicaragua. American Journal of Tropical Medicine and Hygiene, 2009, 81, 287-92.	0.6	16
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