

# Aravinda M De Silva

## List of Publications by Citations

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papers

11,296  
citations

48  
h-index

105  
g-index

159  
ext. papers

14,409  
ext. citations

8.9  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
147	Targets of T Cell Responses to SARS-CoV-2 Coronavirus in Humans with COVID-19 Disease and Unexposed Individuals. <i>Cell</i> , <b>2020</b> , 181, 1489-1501.e15	56.2	1900
146	SARS-CoV-2 Reverse Genetics Reveals a Variable Infection Gradient in the Respiratory Tract. <i>Cell</i> , <b>2020</b> , 182, 429-446.e14	56.2	710
145	Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. <i>Science</i> , <b>2020</b> , 370, 89-94	33.3	593
144	SARS-CoV-2 D614G variant exhibits efficient replication ex vivo and transmission in vivo. <i>Science</i> , <b>2020</b> , 370, 1464-1468	33.3	517
143	The receptor binding domain of the viral spike protein is an immunodominant and highly specific target of antibodies in SARS-CoV-2 patients. <i>Science Immunology</i> , <b>2020</b> , 5,	28	450
142	The human immune response to Dengue virus is dominated by highly cross-reactive antibodies endowed with neutralizing and enhancing activity. <i>Cell Host and Microbe</i> , <b>2010</b> , 8, 271-83	23.4	434
141	Comprehensive analysis of dengue virus-specific responses supports an HLA-linked protective role for CD8+ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E2046-53	11.5	383
140	Identification of human neutralizing antibodies that bind to complex epitopes on dengue virions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 7439-44	11.5	300
139	Emergence and global spread of a dengue serotype 3, subtype III virus. <i>Emerging Infectious Diseases</i> , <b>2003</b> , 9, 800-9	10.2	278
138	The human antibody response to dengue virus infection. <i>Viruses</i> , <b>2011</b> , 3, 2374-95	6.2	234
137	Growth and migration of <i>Borrelia burgdorferi</i> in Ixodes ticks during blood feeding. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>1995</b> , 53, 397-404	3.2	207
136	Dengue virus neutralization by human immune sera: role of envelope protein domain III-reactive antibody. <i>Virology</i> , <b>2009</b> , 392, 103-13	3.6	199
135	Attachment of <i>Borrelia burgdorferi</i> within <i>Ixodes scapularis</i> mediated by outer surface protein A. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 561-9	15.9	185
134	Dengue virus infection elicits highly polarized CX3CR1+ cytotoxic CD4+ T cells associated with protective immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E4256-63	11.5	173
133	DENGUE VIRUS. Cryo-EM structure of an antibody that neutralizes dengue virus type 2 by locking E protein dimers. <i>Science</i> , <b>2015</b> , 349, 88-91	33.3	167
132	In-depth analysis of the antibody response of individuals exposed to primary dengue virus infection. <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e1188	4.8	162
131	A highly potent human antibody neutralizes dengue virus serotype 3 by binding across three surface proteins. <i>Nature Communications</i> , <b>2015</b> , 6, 6341	17.4	158

130	Zika virus pathogenesis in rhesus macaques is unaffected by pre-existing immunity to dengue virus. <i>Nature Communications</i> , <b>2017</b> , 8, 15674	17.4	139
129	A potent anti-dengue human antibody preferentially recognizes the conformation of E protein monomers assembled on the virus surface. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 358-71	12	128
128	Comparison of plaque- and flow cytometry-based methods for measuring dengue virus neutralization. <i>Journal of Clinical Microbiology</i> , <b>2007</b> , 45, 3777-80	9.7	118
127	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	113
126	Dengue viruses are enhanced by distinct populations of serotype cross-reactive antibodies in human immune sera. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004386	7.6	113
125	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. <i>MBio</i> , <b>2013</b> , 4, e00873-13	7.8	112
124	Persistence of circulating memory B cell clones with potential for dengue virus disease enhancement for decades following infection. <i>Journal of Virology</i> , <b>2012</b> , 86, 2665-75	6.6	110
123	Lack of Durable Cross-Neutralizing Antibodies Against Zika Virus from Dengue Virus Infection. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 773-781	10.2	108
122	Natural strain variation and antibody neutralization of dengue serotype 3 viruses. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000821	7.6	107
121	Protective and therapeutic capacity of human single-chain Fv-Fc fusion proteins against West Nile virus. <i>Journal of Virology</i> , <b>2005</b> , 79, 14606-13	6.6	106
120	Acquisition and transmission of the agent of human granulocytic ehrlichiosis by Ixodes scapularis ticks. <i>Journal of Clinical Microbiology</i> , <b>1998</b> , 36, 3574-8	9.7	96
119	Longitudinal Analysis of Antibody Cross-neutralization Following Zika Virus and Dengue Virus Infection in Asia and the Americas. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 218, 536-545	7	95
118	Severe dengue epidemics in Sri Lanka, 2003-2006. <i>Emerging Infectious Diseases</i> , <b>2009</b> , 15, 192-9	10.2	93
117	Epidemiology of dengue in Sri Lanka before and after the emergence of epidemic dengue hemorrhagic fever. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2002</b> , 66, 765-73	3.2	93
116	Contrasts in tick innate immune responses to <i>Borrelia burgdorferi</i> challenge: immunotolerance in <i>Ixodes scapularis</i> versus immunocompetence in <i>Dermacentor variabilis</i> (Acari: Ixodidae). <i>Journal of Medical Entomology</i> , <b>2001</b> , 38, 99-107	2.2	88
115	Isolation of dengue virus-specific memory B cells with live virus antigen from human subjects following natural infection reveals the presence of diverse novel functional groups of antibody clones. <i>Journal of Virology</i> , <b>2014</b> , 88, 12233-41	6.6	80
114	Zika virus infection enhances future risk of severe dengue disease. <i>Science</i> , <b>2020</b> , 369, 1123-1128	33.3	78
113	Influence of outer surface protein A antibody on <i>Borrelia burgdorferi</i> within feeding ticks. <i>Infection and Immunity</i> , <b>1999</b> , 67, 30-5	3.7	76

112	Antibodies targeting dengue virus envelope domain III are not required for serotype-specific protection or prevention of enhancement in vivo. <i>Virology</i> , <b>2012</b> , 429, 12-20	3.6	69
111	Dissecting Antibodies Induced by a Chimeric Yellow Fever-Dengue, Live-Attenuated, Tetravalent Dengue Vaccine (CYD-TDV) in Naive and Dengue-Exposed Individuals. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 215, 351-358	7	64
110	Development and characterization of a reverse genetic system for studying dengue virus serotype 3 strain variation and neutralization. <i>PLoS Neglected Tropical Diseases</i> , <b>2012</b> , 6, e1486	4.8	61
109	A novel mechanism of complement inhibition unmasked by a tick salivary protein that binds to properdin. <i>Journal of Immunology</i> , <b>2008</b> , 180, 3964-8	5.3	61
108	Human monoclonal antibodies derived from memory B cells following live attenuated dengue virus vaccination or natural infection exhibit similar characteristics. <i>Journal of Infectious Diseases</i> , <b>2013</b> , 207, 1898-908	7	59
107	An alphavirus vector-based tetravalent dengue vaccine induces a rapid and protective immune response in macaques that differs qualitatively from immunity induced by live virus infection. <i>Journal of Virology</i> , <b>2013</b> , 87, 3409-24	6.6	55
106	Immune correlates of protection for dengue: State of the art and research agenda. <i>Vaccine</i> , <b>2017</b> , 35, 4659-4669	4.1	55
105	N-linked glycans on dengue viruses grown in mammalian and insect cells. <i>Journal of General Virology</i> , <b>2009</b> , 90, 2097-106	4.9	55
104	A tetravalent virus-like particle vaccine designed to display domain III of dengue envelope proteins induces multi-serotype neutralizing antibodies in mice and macaques which confer protection against antibody dependent enhancement in AG129 mice. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006191	4.8	49
103	Global Assessment of Dengue Virus-Specific CD4 T Cell Responses in Dengue-Endemic Areas. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1309	8.4	49
102	Dengue virus envelope protein domain I/II hinge determines long-lived serotype-specific dengue immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1939-44	11.5	49
101	Human antibodies against dengue enhance dengue viral infectivity without suppressing type I interferon secretion in primary human monocytes. <i>Virology</i> , <b>2011</b> , 410, 240-7	3.6	49
100	Preexisting neutralizing antibody responses distinguish clinically inapparent and apparent dengue virus infections in a Sri Lankan pediatric cohort. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 211, 590-9	7	48
99	New dengue virus type 1 genotype in Colombo, Sri Lanka. <i>Emerging Infectious Diseases</i> , <b>2011</b> , 17, 2053-5	10.2	48
98	Dissecting the human serum antibody response to secondary dengue virus infections. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005554	4.8	45
97	<i>Pichia pastoris</i> -expressed dengue 2 envelope forms virus-like particles without pre-membrane protein and induces high titer neutralizing antibodies. <i>PLoS ONE</i> , <b>2013</b> , 8, e64595	3.7	45
96	Genetic variation at the vlsE locus of <i>Borrelia burgdorferi</i> within ticks and mice over the course of a single transmission cycle. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 4432-41	3.5	44
95	Plasmid requirements for infection of ticks by <i>Borrelia burgdorferi</i> . <i>Vector-Borne and Zoonotic Diseases</i> , <b>2005</b> , 5, 237-45	2.4	42

94	Recombinant dengue type 2 viruses with altered e protein domain III epitopes are efficiently neutralized by human immune sera. <i>Journal of Virology</i> , <b>2012</b> , 86, 4019-23	6.6	39
93	Estimates of dengue force of infection in children in Colombo, Sri Lanka. <i>PLoS Neglected Tropical Diseases</i> , <b>2013</b> , 7, e2259	4.8	38
92	Cutting Edge: Transcriptional Profiling Reveals Multifunctional and Cytotoxic Antiviral Responses of Zika Virus-Specific CD8 T Cells. <i>Journal of Immunology</i> , <b>2018</b> , 201, 3487-3491	5.3	38
91	Mapping the Human Memory B Cell and Serum Neutralizing Antibody Responses to Dengue Virus Serotype 4 Infection and Vaccination. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	37
90	Glass capillary tube feeding: a method for infecting nymphal Ixodes scapularis (Acari: Ixodidae) with the lyme disease spirochete Borrelia burgdorferi. <i>Journal of Medical Entomology</i> , <b>2002</b> , 39, 285-92	2.2	37
89	Development of Envelope Protein Antigens To Serologically Differentiate Zika Virus Infection from Dengue Virus Infection. <i>Journal of Clinical Microbiology</i> , <b>2018</b> , 56,	9.7	36
88	Dengue Virus prM-Specific Human Monoclonal Antibodies with Virus Replication-Enhancing Properties Recognize a Single Immunodominant Antigenic Site. <i>Journal of Virology</i> , <b>2016</b> , 90, 780-9	6.6	36
87	Dengue virus-like particles mimic the antigenic properties of the infectious dengue virus envelope. <i>Virology Journal</i> , <b>2018</b> , 15, 60	6.1	35
86	Clinical development and regulatory points for consideration for second-generation live attenuated dengue vaccines. <i>Vaccine</i> , <b>2018</b> , 36, 3411-3417	4.1	35
85	The Emerging Zika Virus Epidemic in the Americas: Research Priorities. <i>JAMA - Journal of the American Medical Association</i> , <b>2016</b> , 315, 1945-6	27.4	35
84	Dengue type 1 viruses circulating in humans are highly infectious and poorly neutralized by human antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 227-232	11.5	35
83	Reciprocal expression of ospA and ospC in single cells of Borrelia burgdorferi. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 3429-33	3.5	34
82	Role of Borrelia burgdorferi linear plasmid 25 in infection of Ixodes scapularis ticks. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 5776-81	3.5	33
81	Spleen Tyrosine Kinase (Syk) Mediates IL-1 $\beta$ Induction by Primary Human Monocytes during Antibody-enhanced Dengue Virus Infection. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 17306-20	5.4	30
80	In Vitro Assembly and Stabilization of Dengue and Zika Virus Envelope Protein Homo-Dimers. <i>Scientific Reports</i> , <b>2017</b> , 7, 4524	4.9	30
79	Does host complement kill Borrelia burgdorferi within ticks?. <i>Infection and Immunity</i> , <b>2003</b> , 71, 822-9	3.7	30
78	Pichia pastoris-expressed dengue 3 envelope-based virus-like particles elicit predominantly domain III-focused high titer neutralizing antibodies. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1005	5.7	29
77	Molecular characterization of the tick-Borrelia interface. <i>Frontiers in Bioscience - Landmark</i> , <b>2009</b> , 14, 3051-63	2.8	28

76	Functional Transplant of a Dengue Virus Serotype 3 (DENV3)-Specific Human Monoclonal Antibody Epitope into DENV1. <i>Journal of Virology</i> , <b>2016</b> , 90, 5090-5097	6.6	27
75	Burden of dengue infection and disease in a pediatric cohort in urban Sri Lanka. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2014</b> , 91, 132-7	3.2	27
74	Precisely Molded Nanoparticle Displaying DENV-E Proteins Induces Robust Serotype-Specific Neutralizing Antibody Responses. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005071	4.8	27
73	Impact of pre-existing dengue immunity on human antibody and memory B cell responses to Zika. <i>Nature Communications</i> , <b>2019</b> , 10, 938	17.4	27
72	Genetic Variation between Dengue Virus Type 4 Strains Impacts Human Antibody Binding and Neutralization. <i>Cell Reports</i> , <b>2018</b> , 25, 1214-1224	10.6	27
71	Severe Dengue Epidemic, Sri Lanka, 2017. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 682-691	10.2	24
70	Measuring antibody neutralization of dengue virus (DENV) using a flow cytometry-based technique. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1138, 27-39	1.4	23
69	Infection of mice with lyme disease spirochetes constitutively producing outer surface proteins a and B. <i>Infection and Immunity</i> , <b>2007</b> , 75, 2786-94	3.7	23
68	Human dengue virus serotype 2 neutralizing antibodies target two distinct quaternary epitopes. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006934	7.6	23
67	Human antibody response to Zika targets type-specific quaternary structure epitopes. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	22
66	Characterization of Magnitude and Antigen Specificity of HLA-DP, DQ, and DRB3/4/5 Restricted DENV-Specific CD4+ T Cell Responses. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1568	8.4	21
65	Unsuspected dengue and acute febrile illness in rural and semi-urban southern Sri Lanka. <i>Emerging Infectious Diseases</i> , <b>2012</b> , 18, 256-63	10.2	20
64	Genetic analysis of Dengue 3 virus subtype III 5Sand 3Snon-coding regions. <i>Virus Research</i> , <b>2008</b> , 135, 320-5	6.4	19
63	Nanoparticle delivery of a tetravalent E protein subunit vaccine induces balanced, type-specific neutralizing antibodies to each dengue virus serotype. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006793	4.8	18
62	Oligomeric state of the ZIKV E protein defines protective immune responses. <i>Nature Communications</i> , <b>2019</b> , 10, 4606	17.4	17
61	Transplantation of a quaternary structure neutralizing antibody epitope from dengue virus serotype 3 into serotype 4. <i>Scientific Reports</i> , <b>2017</b> , 7, 17169	4.9	17
60	Time elapsed between Zika and dengue virus infections affects antibody and T cell responses. <i>Nature Communications</i> , <b>2019</b> , 10, 4316	17.4	16
59	Physiological temperatures reduce dimerization of dengue and Zika virus recombinant envelope proteins. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 8922-8933	5.4	16

58	Which Dengue Vaccine Approach Is the Most Promising, and Should We Be Concerned about Enhanced Disease after Vaccination? The Path to a Dengue Vaccine: Learning from Human Natural Dengue Infection Studies and Vaccine Trials. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2018</b> , 10,	10.2	16
57	Purification and characterization of <i>Borrelia burgdorferi</i> from feeding nymphal ticks ( <i>Ixodes scapularis</i> ). <i>Infection and Immunity</i> , <b>2001</b> , 69, 3536-41	3.7	16
56	Role of Zika Virus Envelope Protein Domain III as a Target of Human Neutralizing Antibodies. <i>MBio</i> , <b>2019</b> , 10,	7.8	15
55	Beyond Neutralizing Antibody Levels: The Epitope Specificity of Antibodies Induced by National Institutes of Health Monovalent Dengue Virus Vaccines. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 219-227	7	15
54	Seroepidemiology of Dengue, Zika, and Yellow Fever Viruses among Children in the Democratic Republic of the Congo. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2018</b> , 99, 756-763	3.2	15
53	Evaluation of Venezuelan Equine Encephalitis (VEE) replicon-based Outer surface protein A (OspA) vaccines in a tick challenge mouse model of Lyme disease. <i>Vaccine</i> , <b>2003</b> , 21, 3875-84	4.1	14
52	Longitudinal analysis of acute and convalescent B cell responses in a human primary dengue serotype 2 infection model. <i>EBioMedicine</i> , <b>2019</b> , 41, 465-478	8.8	13
51	Low copy numbers of DC-SIGN in cell membrane microdomains: implications for structure and function. <i>Traffic</i> , <b>2014</b> , 15, 179-96	5.7	13
50	Arguments for live flavivirus vaccines. <i>Lancet, The</i> , <b>2004</b> , 364, 500	4.0	13
49	Interactions of OspA monoclonal antibody C3.78 with <i>Borrelia burgdorferi</i> within ticks. <i>Infection and Immunity</i> , <b>2005</b> , 73, 1644-7	3.7	13
48	Antigenic Variation of the Dengue Virus 2 Genotypes Impacts the Neutralization Activity of Human Antibodies in Vaccinees. <i>Cell Reports</i> , <b>2020</b> , 33, 108226	10.6	13
47	Analyzing the Human Serum Antibody Responses to a Live Attenuated Tetravalent Dengue Vaccine Candidate. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 1932-1941	7	13
46	A tetravalent live attenuated dengue virus vaccine stimulates balanced immunity to multiple serotypes in humans. <i>Nature Communications</i> , <b>2021</b> , 12, 1102	17.4	12
45	The Molecular Specificity of the Human Antibody Response to Dengue Virus Infections. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1062, 63-76	3.6	12
44	Epitope Addition and Ablation via Manipulation of a Dengue Virus Serotype 1 Infectious Clone. <i>MSphere</i> , <b>2017</b> , 2,	5	11
43	The mechanism of differential neutralization of dengue serotype 3 strains by monoclonal antibody 8A1. <i>Virology</i> , <b>2013</b> , 439, 57-64	3.6	11
42	Analysis of Individuals from a Dengue-Endemic Region Helps Define the Footprint and Repertoire of Antibodies Targeting Dengue Virus 3 Type-Specific Epitopes. <i>MBio</i> , <b>2017</b> , 8,	7.8	11
41	Lack of Detectable Variation at <i>Borrelia burgdorferi</i> vlsE Locus in Ticks. <i>Journal of Medical Entomology</i> , <b>2007</b> , 44, 168-170	2.2	11

40	Determining dengue virus serostatus by indirect IgG ELISA compared with focus reduction neutralisation test in children in Cebu, Philippines: a prospective population-based study. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e44-e51	13.6	11
39	Sex Disparities and Neutralizing-Antibody Durability to SARS-CoV-2 Infection in Convalescent Individuals. <i>MSphere</i> , <b>2021</b> , 6, e0027521	5	11
38	ZikaPLAN: addressing the knowledge gaps and working towards a research preparedness network in the Americas. <i>Global Health Action</i> , <b>2019</b> , 12, 1666566	3	10
37	Unsuspected Dengue as a Cause of Acute Febrile Illness in Children and Adults in Western Nicaragua. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005026	4.8	10
36	Optimization of Surface Display of DENV2 E Protein on a Nanoparticle to Induce Virus Specific Neutralizing Antibody Responses. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1544-1552	6.3	9
35	Characterization of <i>Borrelia burgdorferi</i> aggregates. <i>Vector-Borne and Zoonotic Diseases</i> , <b>2009</b> , 9, 323-9	2.4	9
34	Lack of detectable variation at <i>Borrelia burgdorferi</i> vlsE locus in ticks. <i>Journal of Medical Entomology</i> , <b>2007</b> , 44, 168-70	2.2	9
33	Sex disparities and neutralizing antibody durability to SARS-CoV-2 infection in convalescent individuals <b>2021</b> ,		8
32	Identification of Dengue Virus Serotype 3 Specific Antigenic Sites Targeted by Neutralizing Human Antibodies. <i>Cell Host and Microbe</i> , <b>2020</b> , 27, 710-724.e7	23.4	7
31	Neurodevelopmental Outcomes of Children Following In Utero Exposure to Zika in Nicaragua. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 72, e146-e153	11.6	7
30	Host response: Cross-fit T cells battle Zika virus. <i>Nature Microbiology</i> , <b>2017</b> , 2, 17082	26.6	5
29	Effective control of early Zika virus replication by Dengue immunity is associated to the length of time between the 2 infections but not mediated by antibodies. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008285	4.8	5
28	Delineating the serotype-specific neutralizing antibody response to a live attenuated tetravalent dengue vaccine. <i>Vaccine</i> , <b>2018</b> , 36, 2403-2410	4.1	5
27	Rapid, directed transport of DC-SIGN clusters in the plasma membrane. <i>Science Advances</i> , <b>2017</b> , 3, eaao1616	14.6	5
26	Defining levels of dengue virus serotype-specific neutralizing antibodies induced by a live attenuated tetravalent dengue vaccine (TAK-003). <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009258	4.8	5
25	Serologic surveillance of maternal Zika infection in a prospective cohort in Leon, Nicaragua during the peak of the Zika epidemic. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230692	3.7	4
24	Tracking the polyclonal neutralizing antibody response to a dengue virus serotype 1 type-specific epitope across two populations in Asia and the Americas. <i>Scientific Reports</i> , <b>2019</b> , 9, 16258	4.9	4
23	Source and Purity of Dengue-Viral Preparations Impact Requirement for Enhancing Antibody to Induce Elevated IL-1 $\beta$ Secretion: A Primary Human Monocyte Model. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136708	3.7	4



22	Time elapsed between Zika and dengue virus infections affects antibody and T cell responses		3
21	Disparities in SARS-CoV-2 seroprevalence among individuals presenting for care in central North Carolina over a six-month period <b>2021</b> ,		3
20	Dimerization of Dengue Virus E Subunits Impacts Antibody Function and Domain Focus. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	2
19	SARS-CoV-2 mRNA vaccine induces robust specific and cross-reactive IgG and unequal neutralizing antibodies in naive and previously infected people.. <i>Cell Reports</i> , <b>2022</b> , 110336	10.6	2
18	Novel Assay to Measure Seroprevalence of Zika Virus in the Philippines. <i>Emerging Infectious Diseases</i> , <b>2021</b> , 27, 3073-3081	10.2	2
17	Designed, highly expressing, thermostable dengue virus 2 envelope protein dimers elicit quaternary epitope antibodies. <i>Science Advances</i> , <b>2021</b> , 7, eabg4084	14.3	2
16	Seroepidemiology of SARS-CoV-2 infections in an urban Nicaraguan population <b>2021</b> ,		2
15	Ticks Take Cues from Mammalian Interferon. <i>Cell Host and Microbe</i> , <b>2016</b> , 20, 3-4	23.4	2
14	Viral Entry and NS1 as Potential Antiviral Drug Targets. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1062, 107-113	3.6	2
13	Seroepidemiology of SARS-CoV-2 infections in an urban population-based cohort in León, Nicaragua.. <i>Epidemiology and Infection</i> , <b>2021</b> , 149, e247	4.3	1
12	A Novel Antigenic Site Spanning Domains I and III of the Zika Virus Envelope Glycoprotein Is the Target of Strongly Neutralizing Human Monoclonal Antibodies. <i>Journal of Virology</i> , <b>2021</b> , 95,	6.6	1
11	SARS-CoV-2 mRNA Vaccine Induces Robust Specific and Cross-reactive IgG and Unequal Strain-specific Neutralizing Antibodies in Naïve and Previously Infected Recipients		1
10	Evaluation of a new point-of-care test to determine prior dengue infection for potential use in pre-vaccination screening. <i>Clinical Microbiology and Infection</i> , <b>2021</b> , 27, 904-908	9.5	1
9	Performance of Dried Blood Spots Compared with Serum Samples for Measuring Dengue Seroprevalence in a Cohort of Children in Cebu, Philippines. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2021</b> , 104, 130-135	3.2	1
8	Dengue vaccine breakthrough infections reveal properties of neutralizing antibodies linked to protection. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	1
7	A conserved set of mutations for stabilizing soluble envelope protein dimers from Dengue and Zika viruses to advance the development of subunit vaccines. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 102079	5.4	1
6	A prospective study of asymptomatic SARS-CoV-2 infection among individuals involved in academic research under limited operations during the COVID-19 pandemic.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0267353	3.7	0
5	Generation of Mature DENVs via Genetic Modification and Directed Evolution.. <i>MBio</i> , <b>2022</b> , e0038622	7.8	0

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2	Natural immunogenic properties of bioinformatically predicted linear B-cell epitopes of dengue envelope and pre-membrane proteins. <i>BMC Immunology</i> , <b>2021</b> , 22, 71	3.7	
1	Production of the Receptor-binding Domain of the Viral Spike Proteins from 2003 and 2019 SARS CoVs and the Four Common Human Coronaviruses for Serologic Assays and Inhibitor Screening. <i>Bio-protocol</i> , <b>2021</b> , 11, e4026	0.9	