

Aruna Dharshan De Silva

List of Publications by Year in descending order

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73
papers

5,033
citations

145106

33
h-index

111975

67
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78
all docs

78
docs citations

78
times ranked

7433
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of two rapid test kits with real time polymerase chain reaction for early diagnosis of dengue in Sri Lanka. <i>Journal of Immunoassay and Immunochemistry</i> , 2022, 43, 213-221.	0.5	2
2	A Population of CD4+CD8+ Double-Positive T Cells Associated with Risk of Plasma Leakage in Dengue Viral Infection. <i>Viruses</i> , 2022, 14, 90.	1.5	8
3	Current Understanding of the Role of T Cells in Chikungunya, Dengue and Zika Infections. <i>Viruses</i> , 2022, 14, 242.	1.5	13
4	Transcriptomics of Acute DENV-Specific CD8+ T Cells Does Not Support Qualitative Differences as Drivers of Disease Severity. <i>Vaccines</i> , 2022, 10, 612.	2.1	6
5	Pre-existing T Cell Memory against Zika Virus. <i>Journal of Virology</i> , 2021, 95, .	1.5	11
6	Evaluation of ELISA-Based Multiplex Peptides for the Detection of Human Serum Antibodies Induced by Zika Virus Infection across Various Countries. <i>Viruses</i> , 2021, 13, 1319.	1.5	2
7	Nonclonal <i>Burkholderia pseudomallei</i> Population in Melioidosis Case Cluster, Sri Lanka. <i>Emerging Infectious Diseases</i> , 2021, 27, 2955-2957.	2.0	7
8	Biogeography and genetic diversity of clinical isolates of <i>Burkholderia pseudomallei</i> in Sri Lanka. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009917.	1.3	6
9	Outcomes among children and adults at risk of severe dengue in Sri Lanka: Opportunity for outpatient case management in countries with high disease burden. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0010091.	1.3	4
10	Genetic risk for dengue hemorrhagic fever and dengue fever in multiple ancestries. <i>EBioMedicine</i> , 2020, 51, 102584.	2.7	10
11	Geospatial analysis of dengue emergence in rural areas in the Southern Province of Sri Lanka. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2020, 114, 408-414.	0.7	6
12	Human mAbs Broadly Protect against Arthritogenic Alphaviruses by Recognizing Conserved Elements of the Mxra8 Receptor-Binding Site. <i>Cell Host and Microbe</i> , 2020, 28, 699-711.e7.	5.1	40
13	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. <i>Journal of Virology</i> , 2020, 94, .	1.5	49
14	High Levels of Serum Angiopoietin 2 and Angiopoietin 2/1 Ratio at the Critical Stage of Dengue Hemorrhagic Fever in Patients and Association with Clinical and Biochemical Parameters. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	15
15	An increase in p62/NBR1 levels in melioidosis patients of Sri Lanka exhibit a characteristic of potential host biomarker. <i>Journal of Medical Microbiology</i> , 2020, 69, 1240-1248.	0.7	1
16	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> , 2019, 10, 1568.	2.2	35
17	Whole-Genome Sequences of Eight Clinical Isolates of <i>Burkholderia pseudomallei</i> from Melioidosis Patients in Eastern Sri Lanka. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	5
18	A lipid-encapsulated mRNA encoding a potently neutralizing human monoclonal antibody protects against chikungunya infection. <i>Science Immunology</i> , 2019, 4, .	5.6	147

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19	Molecular Signatures of Dengue Virus-Specific IL-10/IFN- γ Co-producing CD4 ⁺ T Cells and Their Association with Dengue Disease. <i>Cell Reports</i> , 2019, 29, 4482-4495.e4.	2.9	35
20	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> , 2019, 116, 227-232.	3.3	69
21	Dengue-specific CD8 ⁺ T cell subsets display specialized transcriptomic and TCR profiles. <i>Journal of Clinical Investigation</i> , 2019, 129, 1727-1741.	3.9	41
22	Respiratory Viral Infection: An Underappreciated Cause of Acute Febrile Illness Admissions in Southern Sri Lanka. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 100, 672-680.	0.6	8
23	Longitudinal Analysis of Antibody Cross-neutralization Following Zika Virus and Dengue Virus Infection in Asia and the Americas. <i>Journal of Infectious Diseases</i> , 2018, 218, 536-545.	1.9	124
24	Precursors of human CD4 ⁺ cytotoxic T lymphocytes identified by single-cell transcriptome analysis. <i>Science Immunology</i> , 2018, 3, .	5.6	209
25	Development of Envelope Protein Antigens To Serologically Differentiate Zika Virus Infection from Dengue Virus Infection. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	53
26	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 714 adults from Colombo, Sri Lanka. <i>Human Immunology</i> , 2018, 79, 87-88.	1.2	7
27	Cutting Edge: Transcriptional Profiling Reveals Multifunctional and Cytotoxic Antiviral Responses of Zika Virus-Specific CD8 ⁺ T Cells. <i>Journal of Immunology</i> , 2018, 201, 3487-3491.	0.4	70
28	Preliminary study on chronic granulomatous disease in Sri Lanka. <i>Allergy, Asthma and Clinical Immunology</i> , 2018, 14, 37.	0.9	7
29	Is Total Serum Nitrite and Nitrate (NO _x) Level in Dengue Patients a Potential Prognostic Marker of Dengue Hemorrhagic Fever?. <i>Disease Markers</i> , 2018, 2018, 1-9.	0.6	9
30	Melioidosis in Sri Lanka. <i>Tropical Medicine and Infectious Disease</i> , 2018, 3, 22.	0.9	21
31	Evaluation of the WHO 2009 classification for diagnosis of acute dengue in a large cohort of adults and children in Sri Lanka during a dengue-1 epidemic. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006258.	1.3	31
32	Clinical, Bacteriologic, and Geographic Stratification of Melioidosis Emerges from the Sri Lankan National Surveillance Program. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 607-615.	0.6	8
33	An Integrated Workflow To Assess Technical and Biological Variability of Cell Population Frequencies in Human Peripheral Blood by Flow Cytometry. <i>Journal of Immunology</i> , 2017, 198, 1748-1758.	0.4	69
34	Patterns of Cellular Immunity Associated with Experimental Infection with rDEN2 ¹³⁰ (Tonga/74) Support Its Suitability as a Human Dengue Virus Challenge Strain. <i>Journal of Virology</i> , 2017, 91, .	1.5	24
35	Calprotectin as a Biomarker for Melioidosis Disease Progression and Management. <i>Journal of Clinical Microbiology</i> , 2017, 55, 1205-1210.	1.8	10
36	Gene Expression Profile of Human Cytokines in Response to <i>Burkholderia pseudomallei</i> Infection. <i>MSphere</i> , 2017, 2, .	1.3	22

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37	Human CD4 ⁺ T Cell Responses to an Attenuated Tetravalent Dengue Vaccine Parallel Those Induced by Natural Infection in Magnitude, HLA Restriction, and Antigen Specificity. <i>Journal of Virology</i> , 2017, 91, .	1.5	83
38	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. <i>Journal of Virology</i> , 2017, 91, .	1.5	148
39	Unique phenotypes and clonal expansions of human CD4 effector memory T cells re-expressing CD45RA. <i>Nature Communications</i> , 2017, 8, 1473.	5.8	208
40	Global Assessment of Dengue Virus-Specific CD4 ⁺ T Cell Responses in Dengue-Endemic Areas. <i>Frontiers in Immunology</i> , 2017, 8, 1309.	2.2	77
41	Analysis of Dengue Serotype 4 in Sri Lanka during the 2012–2013 Dengue Epidemic. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 130-136.	0.6	12
42	Host gene expression analysis in Sri Lankan melioidosis patients. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005643.	1.3	17
43	Burden and Seasonality of Viral Acute Respiratory Tract Infections among Outpatients in Southern Sri Lanka. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 88-96.	0.6	16
44	Extended-spectrum β -Lactamase-producing <i>Enterobacteriaceae</i> as a Common Cause of Urinary Tract Infections in Sri Lanka. <i>Infection and Chemotherapy</i> , 2016, 48, 160.	1.0	18
45	Emergence of Epidemic Dengue-1 Virus in the Southern Province of Sri Lanka. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004995.	1.3	24
46	Laboratory-Enhanced Dengue Sentinel Surveillance in Colombo District, Sri Lanka: 2012-2014. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004477.	1.3	26
47	HLA-DRB1 Alleles Are Associated With Different Magnitudes of Dengue Virus-Specific CD4 ⁺ T-Cell Responses. <i>Journal of Infectious Diseases</i> , 2016, 214, 1117-1124.	1.9	88
48	Targeting Mycobacterium tuberculosis Tumor Necrosis Factor Alpha-Downregulating Genes for the Development of Antituberculous Vaccines. <i>MBio</i> , 2016, 7, .	1.8	52
49	Immunodominant Dengue Virus-Specific CD8 ⁺ T Cell Responses Are Associated with a Memory PD-1 ⁺ Phenotype. <i>Journal of Virology</i> , 2016, 90, 4771-4779.	1.5	71
50	An Under-Recognized Influenza Epidemic Identified by Rapid Influenza Testing, Southern Sri Lanka, 2013. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 1023-1029.	0.6	11
51	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> , 2015, 112, E4256-63.	3.3	266
52	Human CD8 ⁺ T-Cell Responses Against the 4 Dengue Virus Serotypes Are Associated With Distinct Patterns of Protein Targets. <i>Journal of Infectious Diseases</i> , 2015, 212, 1743-1751.	1.9	129
53	Use of Rapid Influenza Testing to Reduce Antibiotic Prescriptions Among Outpatients with Influenza-Like Illness in Southern Sri Lanka. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 1031-1037.	0.6	33
54	The Human CD8 ⁺ T Cell Responses Induced by a Live Attenuated Tetravalent Dengue Vaccine Are Directed against Highly Conserved Epitopes. <i>Journal of Virology</i> , 2015, 89, 120-128.	1.5	148

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55	Preexisting Neutralizing Antibody Responses Distinguish Clinically Inapparent and Apparent Dengue Virus Infections in a Sri Lankan Pediatric Cohort. <i>Journal of Infectious Diseases</i> , 2015, 211, 590-599.	1.9	57
56	Polymorphisms of transporter associated with antigen presentation, tumor necrosis factor- β and interleukin-10 and their implications for protection and susceptibility to severe forms of dengue fever in patients in Sri Lanka. <i>Journal of Global Infectious Diseases</i> , 2015, 7, 157.	0.2	17
57	Preventing ragging: outcome of an integrated programme in a medical faculty in Sri Lanka. <i>Indian Journal of Medical Ethics</i> , 2015, 12, 227-30.	0.2	3
58	Phylogeography and Molecular Epidemiology of an Epidemic Strain of Dengue Virus Type 1 in Sri Lanka. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 225-234.	0.6	16
59	Burden of Dengue Infection and Disease in a Pediatric Cohort in Urban Sri Lanka. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 132-137.	0.6	35
60	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> , 2013, 110, E2046-53.	3.3	524
61	Estimates of Dengue Force of Infection in Children in Colombo, Sri Lanka. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2259.	1.3	49
62	Properties of MHC Class I Presented Peptides That Enhance Immunogenicity. <i>PLoS Computational Biology</i> , 2013, 9, e1003266.	1.5	636
63	Insights into HLA-Restricted T Cell Responses in a Novel Mouse Model of Dengue Virus Infection Point toward New Implications for Vaccine Design. <i>Journal of Immunology</i> , 2011, 187, 4268-4279.	0.4	104
64	New Dengue Virus Type 1 Genotype in Colombo, Sri Lanka. <i>Emerging Infectious Diseases</i> , 2011, 17, 2053-5.	2.0	55
65	HLA Class I and Class II Associations in Dengue Viral Infections in a Sri Lankan Population. <i>PLoS ONE</i> , 2011, 6, e20581.	1.1	56
66	Dengue Surveillance in Colombo, Sri Lanka: Baseline seroprevalence among children. <i>Procedia in Vaccinology</i> , 2010, 2, 109-112.	0.4	13
67	5'-Adenosinephosphosulphate reductase (CysH) protects <i>Mycobacterium tuberculosis</i> against free radicals during chronic infection phase in mice. <i>Molecular Microbiology</i> , 2006, 59, 1744-1753.	1.2	102
68	Induction of high levels of protective immunity in mice after vaccination using dendritic cells infected with auxotrophic mutants of <i>Mycobacterium tuberculosis</i> . <i>Immunology Letters</i> , 2006, 103, 196-199.	1.1	4
69	Lipid-protein interactions: Biosynthetic assembly of CD1 with lipids in the endoplasmic reticulum is evolutionarily conserved. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1022-1026.	3.3	73
70	Defective presentation of the CD1d1-restricted natural Va14Ja18 NKT lymphocyte antigen caused by Δ -D-glucosylceramide synthase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1849-1854.	3.3	142
71	Lipid Protein Interactions: The Assembly of CD1d1 with Cellular Phospholipids Occurs in the Endoplasmic Reticulum. <i>Journal of Immunology</i> , 2002, 168, 723-733.	0.4	108
72	Natural Ligand of Mouse CD1d1: Cellular Glycosylphosphatidylinositol. <i>Science</i> , 1998, 279, 1541-1544.	6.0	371

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73	Distinct Roles for Signals Relayed through the Common Cytokine Receptor $\hat{\beta}$ Chain and Interleukin 7 Receptor $\hat{\alpha}$ Chain in Natural T Cell Development. <i>Journal of Experimental Medicine</i> , 1997, 186, 331-336.	4.2	48