Aruna Dharshan De Silva

List of Publications by Year
in descending order

73 papers	5,033 citations	126907 33 h-index	98798 67 g-index
78 all docs	78 docs citations	78 times ranked	6797 citing authors

#	Article	IF	Citations
1	Properties of MHC Class I Presented Peptides That Enhance Immunogenicity. PLoS Computational Biology, 2013, 9, e1003266.	3.2	636
2	Comprehensive analysis of dengue virus-specific responses supports an HLA-linked protective role for CD8 ⁺ T cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2046-53.	7.1	524
3	Natural Ligand of Mouse CD1d1: Cellular Glycosylphosphatidylinositol. Science, 1998, 279, 1541-1544.	12.6	371
4	Dengue virus infection elicits highly polarized CX3CR1⁺cytotoxic CD4⁺T cells associated with protective immunity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4256-63.	7.1	266
5	Precursors of human CD4 ⁺ cytotoxic T lymphocytes identified by single-cell transcriptome analysis. Science Immunology, 2018, 3, .	11.9	209
6	Unique phenotypes and clonal expansions of human CD4 effector memory T cells re-expressing CD45RA. Nature Communications, 2017, 8, 1473.	12.8	208
7	The Human CD8 ⁺ T Cell Responses Induced by a Live Attenuated Tetravalent Dengue Vaccine Are Directed against Highly Conserved Epitopes. Journal of Virology, 2015, 89, 120-128.	3.4	148
8	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. Journal of Virology, 2017, 91, .	3.4	148
9	A lipid-encapsulated mRNA encoding a potently neutralizing human monoclonal antibody protects against chikungunya infection. Science Immunology, 2019, 4, .	11.9	147
10	Defective presentation of the CD1d1-restricted natural Va14Ja18 NKT lymphocyte antigen caused by Â-D-glucosylceramide synthase deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1849-1854.	7.1	142
11	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.	4.0	129
12	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.	4.0	124
13	Lipid Protein Interactions: The Assembly of CD1d1 with Cellular Phospholipids Occurs in the Endoplasmic Reticulum. Journal of Immunology, 2002, 168, 723-733.	0.8	108
14	Insights into HLA-Restricted T Cell Responses in a Novel Mouse Model of Dengue Virus Infection Point toward New Implications for Vaccine Design. Journal of Immunology, 2011, 187, 4268-4279.	0.8	104
15	5'-Adenosinephosphosulphate reductase (CysH) protects Mycobacterium tuberculosis against free radicals during chronic infection phase in mice. Molecular Microbiology, 2006, 59, 1744-1753.	2.5	102
16	HLA-DRB1 Alleles Are Associated With Different Magnitudes of Dengue Virusâ€“Specific CD4⁺T-Cell Responses. Journal of Infectious Diseases, 2016, 214, 1117-1124.	4.0	88
17	Human CD4 ⁺ T Cell Responses to an Attenuated Tetravalent Dengue Vaccine Parallel Those Induced by Natural Infection in Magnitude, HLA Restriction, and Antigen Specificity. Journal of Virology, 2017, 91, .	3.4	83
18	Global Assessment of Dengue Virus-Specific CD4+ T Cell Responses in Dengue-Endemic Areas. Frontiers in Immunology, 2017, 8, 1309.	4.8	77

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19	Lipid-protein interactions: Biosynthetic assembly of CD1 with lipids in the endoplasmic reticulum is evolutionarily conserved. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1022-1026.	7.1	73
20	Immunodominant Dengue Virus-Specific CD8 ⁺ T Cell Responses Are Associated with a Memory PD-1 ⁺ Phenotype. Journal of Virology, 2016, 90, 4771-4779.	3.4	71
21	Cutting Edge: Transcriptional Profiling Reveals Multifunctional and Cytotoxic Antiviral Responses of Zika Virusâ€“Specific CD8+ T Cells. Journal of Immunology, 2018, 201, 3487-3491.	0.8	70
22	An Integrated Workflow To Assess Technical and Biological Variability of Cell Population Frequencies in Human Peripheral Blood by Flow Cytometry. Journal of Immunology, 2017, 198, 1748-1758.	0.8	69
23	Dengue type 1 viruses circulating in humans are highly infectious and poorly neutralized by human antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 227-232.	7.1	69
24	Preexisting Neutralizing Antibody Responses Distinguish Clinically Inapparent and Apparent Dengue Virus Infections in a Sri Lankan Pediatric Cohort. Journal of Infectious Diseases, 2015, 211, 590-599.	4.0	57
25	HLA Class I and Class II Associations in Dengue Viral Infections in a Sri Lankan Population. PLoS ONE, 2011, 6, e20581.	2.5	56
26	New Dengue Virus Type 1 Genotype in Colombo, Sri Lanka. Emerging Infectious Diseases, 2011, 17, 2053-5.	4.3	55
27	Development of Envelope Protein Antigens To Serologically Differentiate Zika Virus Infection from Dengue Virus Infection. Journal of Clinical Microbiology, 2018, 56, .	3.9	53
28	Targeting Mycobacterium tuberculosis Tumor Necrosis Factor Alpha-Downregulating Genes for the Development of Antituberculous Vaccines. MBio, 2016, 7, .	4.1	52
29	Estimates of Dengue Force of Infection in Children in Colombo, Sri Lanka. PLoS Neglected Tropical Diseases, 2013, 7, e2259.	3.0	49
30	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. Journal of Virology, 2020, 94, .	3.4	49
31	Distinct Roles for Signals Relayed through the Common Cytokine Receptor Î³ Chain and Interleukin 7 Receptor Î± Chain in Natural T Cell Development. Journal of Experimental Medicine, 1997, 186, 331-336.	8.5	48
32	Dengue-specific CD8+ T cell subsets display specialized transcriptomic and TCR profiles. Journal of Clinical Investigation, 2019, 129, 1727-1741.	8.2	41
33	Human mAbs Broadly Protect against Arthritogenic Alphaviruses by Recognizing Conserved Elements of the Mxra8 Receptor-Binding Site. Cell Host and Microbe, 2020, 28, 699-711.e7.	11.0	40
34	Burden of Dengue Infection and Disease in a Pediatric Cohort in Urban Sri Lanka. American Journal of Tropical Medicine and Hygiene, 2014, 91, 132-137.	1.4	35
35	Characterization of Magnitude and Antigen Specificity of HLA-DP, DQ, and DRB3/4/5 Restricted DENV-Specific CD4+ T Cell Responses. Frontiers in Immunology, 2019, 10, 1568.	4.8	35
36	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.	6.4	35

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37	Use of Rapid Influenza Testing to Reduce Antibiotic Prescriptions Among Outpatients with Influenza-Like Illness in Southern Sri Lanka. American Journal of Tropical Medicine and Hygiene, 2015, 93, 1031-1037.	1.4	33
38	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. PLoS Neglected Tropical Diseases, 2018, 12, e0006258.	3.0	31
39	Laboratory-Enhanced Dengue Sentinel Surveillance in Colombo District, Sri Lanka: 2012-2014. PLoS Neglected Tropical Diseases, 2016, 10, e0004477.	3.0	26
40	Emergence of Epidemic Dengue-1 Virus in the Southern Province of Sri Lanka. PLoS Neglected Tropical Diseases, 2016, 10, e0004995.	3.0	24
41	Patterns of Cellular Immunity Associated with Experimental Infection with rDEN2Î”30 (Tonga/74) Support Its Suitability as a Human Dengue Virus Challenge Strain. Journal of Virology, 2017, 91, .	3.4	24
42	Gene Expression Profile of Human Cytokines in Response to Burkholderia pseudomallei Infection. MSphere, 2017, 2, .	2.9	22
43	Melioidosis in Sri Lanka. Tropical Medicine and Infectious Disease, 2018, 3, 22.	2.3	21
44	Extended-spectrum ÃŸ-Lactamase-producingEnterobacteriaceaeas a Common Cause of Urinary Tract Infections in Sri Lanka. Infection and Chemotherapy, 2016, 48, 160.	2.3	18
45	Host gene expression analysis in Sri Lankan melioidosis patients. PLoS Neglected Tropical Diseases, 2017, 11, e0005643.	3.0	17
46	Polymorphisms of transporter associated with antigen presentation, tumor necrosis factor-Î± and interleukin-10 and their implications for protection and susceptibility to severe forms of dengue fever in patients in Sri Lanka. Journal of Global Infectious Diseases, 2015, 7, 157.	0.5	17
47	Phylogeography and Molecular Epidemiology of an Epidemic Strain of Dengue Virus Type 1 in Sri Lanka. American Journal of Tropical Medicine and Hygiene, 2014, 91, 225-234.	1.4	16
48	Burden and Seasonality of Viral Acute Respiratory Tract Infections among Outpatients in Southern Sri Lanka. American Journal of Tropical Medicine and Hygiene, 2017, 97, 88-96.	1.4	16
49	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. Journal of Clinical Microbiology, 2020, 58, .	3.9	15
50	Dengue Surveillance in Colombo, Sri Lanka: Baseline seroprevalence among children. Procedia in Vaccinology, 2010, 2, 109-112.	0.4	13
51	Current Understanding of the Role of T Cells in Chikungunya, Dengue and Zika Infections. Viruses, 2022, 14, 242.	3.3	13
52	Analysis of Dengue Serotype 4 in Sri Lanka during the 2012â€“2013 Dengue Epidemic. American Journal of Tropical Medicine and Hygiene, 2017, 97, 130-136.	1.4	12
53	An Under-Recognized Influenza Epidemic Identified by Rapid Influenza Testing, Southern Sri Lanka, 2013. American Journal of Tropical Medicine and Hygiene, 2015, 92, 1023-1029.	1.4	11
54	Pre-existing T Cell Memory against Zika Virus. Journal of Virology, 2021, 95, .	3.4	11

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55	Calprotectin as a Biomarker for Melioidosis Disease Progression and Management. Journal of Clinical Microbiology, 2017, 55, 1205-1210.	3.9	10
56	Genetic risk for dengue hemorrhagic fever and dengue fever in multiple ancestries. EBioMedicine, 2020, 51, 102584.	6.1	10
57	Is Total Serum Nitrite and Nitrate (NOx) Level in Dengue Patients a Potential Prognostic Marker of Dengue Hemorrhagic Fever?. Disease Markers, 2018, 2018, 1-9.	1.3	9
58	Clinical, Bacteriologic, and Geographic Stratification of Melioidosis Emerges from the Sri Lankan National Surveillance Program. American Journal of Tropical Medicine and Hygiene, 2018, 98, 607-615.	1.4	8
59	Respiratory Viral Infection: An Underappreciated Cause of Acute Febrile Illness Admissions in Southern Sri Lanka. American Journal of Tropical Medicine and Hygiene, 2019, 100, 672-680.	1.4	8
60	A Population of CD4+CD8+ Double-Positive T Cells Associated with Risk of Plasma Leakage in Dengue Viral Infection. Viruses, 2022, 14, 90.	3.3	8
61	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 714 adults from Colombo, Sri Lanka. Human Immunology, 2018, 79, 87-88.	2.4	7
62	Preliminary study on chronic granulomatous disease in Sri Lanka. Allergy, Asthma and Clinical Immunology, 2018, 14, 37.	2.0	7
63	Nonclonal Burkholderia pseudomallei Population in Melioidosis Case Cluster, Sri Lanka. Emerging Infectious Diseases, 2021, 27, 2955-2957.	4.3	7
64	Geospatial analysis of dengue emergence in rural areas in the Southern Province of Sri Lanka. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2020, 114, 408-414.	1.8	6
65	Biogeography and genetic diversity of clinical isolates of Burkholderia pseudomallei in Sri Lanka. PLoS Neglected Tropical Diseases, 2021, 15, e0009917.	3.0	6
66	Transcriptomics of Acute DENV-Specific CD8+ T Cells Does Not Support Qualitative Differences as Drivers of Disease Severity. Vaccines, 2022, 10, 612.	4.4	6
67	Whole-Genome Sequences of Eight Clinical Isolates of Burkholderia pseudomallei from Melioidosis Patients in Eastern Sri Lanka. Microbiology Resource Announcements, 2019, 8, .	0.6	5
68	Induction of high levels of protective immunity in mice after vaccination using dendritic cells infected with auxotrophic mutants of Mycobacterium tuberculosis. Immunology Letters, 2006, 103, 196-199.	2.5	4
69	Outcomes among children and adults at risk of severe dengue in Sri Lanka: Opportunity for outpatient case management in countries with high disease burden. PLoS Neglected Tropical Diseases, 2021, 15, e0010091.	3.0	4
70	Preventing ragging: outcome of an integrated programme in a medical faculty in Sri Lanka. Indian Journal of Medical Ethics, 2015, 12, 227-30.	0.4	3
71	Evaluation of ELISA-Based Multiplex Peptides for the Detection of Human Serum Antibodies Induced by Zika Virus Infection across Various Countries. Viruses, 2021, 13, 1319.	3.3	2
72	Comparison of two rapid test kits with real time polymerase chain reaction for early diagnosis of dengue in Sri Lanka. Journal of Immunoassay and Immunochemistry, 2022, 43, 213-221.	1.1	2

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73	An increase in p62/NBR1 levels in melioidosis patients of Sri Lanka exhibit a characteristic of potential host biomarker. Journal of Medical Microbiology, 2020, 69, 1240-1248.	1.8	1