

# Sinu Paul

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

5,039  
citations

218592

26  
h-index

302012

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

7296  
citing authors

#	ARTICLE	IF	CITATIONS
1	NetMHCpan-4.0: Improved Peptide-MHC Class I Interaction Predictions Integrating Eluted Ligand and Peptide Binding Affinity Data. <i>Journal of Immunology</i> , 2017, 199, 3360-3368.	0.4	1,153
2	NetMHCpan-4.1 and NetMHCIIpan-4.0: improved predictions of MHC antigen presentation by concurrent motif deconvolution and integration of MS MHC eluted ligand data. <i>Nucleic Acids Research</i> , 2020, 48, W449-W454.	6.5	969
3	The Immune Epitope Database and Analysis Resource in Epitope Discovery and Synthetic Vaccine Design. <i>Frontiers in Immunology</i> , 2017, 8, 278.	2.2	369
4	HLA Class I Alleles Are Associated with Peptide-Binding Repertoires of Different Size, Affinity, and Immunogenicity. <i>Journal of Immunology</i> , 2013, 191, 5831-5839.	0.4	249
5	IEDB-AR: immune epitope database analysis resource in 2019. <i>Nucleic Acids Research</i> , 2019, 47, W502-W506.	6.5	247
6	Development and validation of a broad scheme for prediction of HLA class II restricted T cell epitopes. <i>Journal of Immunological Methods</i> , 2015, 422, 28-34.	0.6	171
7	TepiTool: A Pipeline for Computational Prediction of T Cell Epitope Candidates. <i>Current Protocols in Immunology</i> , 2016, 114, 18.19.1-18.19.24.	3.6	169
8	The Human CD8 <sup>+</sup> 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
9	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. <i>Journal of Virology</i> , 2017, 91, .	1.5	148
10	Human CD8 <sup>+</sup> 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
11	A Quantitative Analysis of Complexity of Human Pathogen-Specific CD4 T Cell Responses in Healthy M. tuberculosis Infected South Africans. <i>PLoS Pathogens</i> , 2016, 12, e1005760.	2.1	128
12	Predicting HLA CD4 Immunogenicity in Human Populations. <i>Frontiers in Immunology</i> , 2018, 9, 1369.	2.2	101
13	Automatic Generation of Validated Specific Epitope Sets. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.	0.9	90
14	HLA-DRB1 Alleles Are Associated With Different Magnitudes of Dengue Virus-Specific CD4 <sup>+</sup> T-Cell Responses. <i>Journal of Infectious Diseases</i> , 2016, 214, 1117-1124.	1.9	88
15	Footprints of antigen processing boost MHC class II natural ligand predictions. <i>Genome Medicine</i> , 2018, 10, 84.	3.6	86
16	Th1 versus Th2 T cell polarization by whole-cell and acellular childhood pertussis vaccines persists upon re-immunization in adolescence and adulthood. <i>Cellular Immunology</i> , 2016, 304-305, 35-43.	1.4	83
17	Human CD4 <sup>+</sup> 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
18	Immunological consequences of intragenus conservation of <i>Mycobacterium tuberculosis</i> T-cell epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E147-55.	3.3	69

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19	Definition of Human Epitopes Recognized in Tetanus Toxoid and Development of an Assay Strategy to Detect Ex Vivo Tetanus CD4+ T Cell Responses. PLoS ONE, 2017, 12, e0169086.	1.1	60
20	Benchmarking predictions of MHC class I restricted T cell epitopes in a comprehensively studied model system. PLoS Computational Biology, 2020, 16, e1007757.	1.5	60
21	A Population Response Analysis Approach To Assign Class II HLA-Epitope Restrictions. Journal of Immunology, 2015, 194, 6164-6176.	0.4	51
22	Evaluating the Immunogenicity of Protein Drugs by Applying In Vitro MHC Binding Data and the Immune Epitope Database and Analysis Resource. Clinical and Developmental Immunology, 2013, 2013, 1-7.	3.3	50
23	Determination of a Predictive Cleavage Motif for Eluted Major Histocompatibility Complex Class II Ligands. Frontiers in Immunology, 2018, 9, 1795.	2.2	48
24	A Review on T Cell Epitopes Identified Using Prediction and Cell-Mediated Immune Models for Mycobacterium tuberculosis and Bordetella pertussis. Frontiers in Immunology, 2018, 9, 2778.	2.2	41
25	Allergen and Epitope Targets of Mouse-Specific T Cell Responses in Allergy and Asthma. Frontiers in Immunology, 2018, 9, 235.	2.2	32
26	T cell recognition is shaped by epitope sequence conservation in the host proteome and microbiome. Immunology, 2016, 148, 34-39.	2.0	31
27	Influenza-derived peptides cross-react with allergens and provide asthma protection. Journal of Allergy and Clinical Immunology, 2018, 142, 804-814.	1.5	27
28	Immunoproteomic analysis of house dust mite antigens reveals distinct classes of dominant T cell antigens according to function and serological reactivity. Clinical and Experimental Allergy, 2017, 47, 577-592.	1.4	26
29	Patterns of Cellular Immunity Associated with Experimental Infection with rDEN2 <sup>130</sup> (Tonga/74) Support Its Suitability as a Human Dengue Virus Challenge Strain. Journal of Virology, 2017, 91, .	1.5	24
30	Major Histocompatibility Complex Binding, Eluted Ligands, and Immunogenicity: Benchmark Testing and Predictions. Frontiers in Immunology, 2019, 10, 3151.	2.2	20
31	Experimental validation of the RATE tool for inferring HLA restrictions of T cell epitopes. BMC Immunology, 2017, 18, 20.	0.9	17
32	Immunodominance in allergic T-cell reactivity to Japanese cedar in different geographic cohorts. Annals of Allergy, Asthma and Immunology, 2016, 117, 680-689.e1.	0.5	14
33	Role of Host-Driven Mutagenesis in Determining Genome Evolution of Sigma Virus (DMelSV;) Tj ETQq1 1 0.784314 <sub>1.1</sub> rgBT /Overlock 10 <sub>13</sub>		
34	Identification of Mycobacterial RplJ/L10 and RpsA/S1 Proteins as Novel Targets for CD4 <sup>+</sup> T Cells. Infection and Immunity, 2017, 85, .	1.0	13
35	Poor Antigen Processing of Poxvirus Particles Limits CD4+ T Cell Recognition and Impacts Immunogenicity of the Inactivated Vaccine. Journal of Immunology, 2019, 202, 1340-1349.	0.4	9
36	The Use of the Immune Epitope Database to Study Autoimmune Epitope Data Related to Alopecia Areata. Journal of Investigative Dermatology Symposium Proceedings, 2015, 17, 36-41.	0.8	6

#	ARTICLE	IF	CITATIONS
37	Allele-Specific Thresholds of Eluted Ligands for T-Cell Epitope Prediction. Molecular and Cellular Proteomics, 2021, 20, 100122.	2.5	4
38	Large-Scale Epitope Identification Screen and Its Potential Application to the Study of Alopecia Areata. Journal of Investigative Dermatology Symposium Proceedings, 2018, 19, S54-S56.	0.8	2
39	Ebola: an analysis of immunity at the molecular level. , 2015, , .		1
40	Identification And Characterization Of T cell Epitopes In Mouse Allergy. Journal of Allergy and Clinical Immunology, 2017, 139, AB92.	1.5	0