

Cecilia Lindestam Arlehamn

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1102115/publications.pdf>

Version: 2024-02-01

97
papers

7,208
citations

101384

36
h-index

69108

77
g-index

121
all docs

121
docs citations

121
times ranked

11312
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying specificity groups in the T cell receptor repertoire. <i>Nature</i> , 2017, 547, 94-98.	13.7	825
2	Human Circulating PD-1+CXCR3 ^{hi} CXCR5+ Memory Tfh Cells Are Highly Functional and Correlate with Broadly Neutralizing HIV Antibody Responses. <i>Immunity</i> , 2013, 39, 758-769.	6.6	790
3	T cells from patients with Parkinson's disease recognize α -synuclein peptides. <i>Nature</i> , 2017, 546, 656-661.	13.7	618
4	Impairment of immunity to <i>Candida</i> and <i>Mycobacterium</i> in humans with bi-allelic <i>RORC</i> mutations. <i>Science</i> , 2015, 349, 606-613.	6.0	366
5	Memory T Cells in Latent <i>Mycobacterium tuberculosis</i> Infection Are Directed against Three Antigenic Islands and Largely Contained in a CXCR3+CCR6+ Th1 Subset. <i>PLoS Pathogens</i> , 2013, 9, e1003130.	2.1	258
6	α -Synuclein-specific T cell reactivity is associated with preclinical and early Parkinson's disease. <i>Nature Communications</i> , 2020, 11, 1875.	5.8	239
7	A Cytokine-Independent Approach To Identify Antigen-Specific Human Germinal Center T Follicular Helper Cells and Rare Antigen-Specific CD4+ T Cells in Blood. <i>Journal of Immunology</i> , 2016, 197, 983-993.	0.4	215
8	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
9	Antigen Availability Shapes T Cell Differentiation and Function during Tuberculosis. <i>Cell Host and Microbe</i> , 2017, 21, 695-706.e5.	5.1	164
10	Human IFN- γ immunity to mycobacteria is governed by both IL-12 and IL-23. <i>Science Immunology</i> , 2018, 3, .	5.6	152
11	A Quantitative Analysis of Complexity of Human Pathogen-Specific CD4 T Cell Responses in Healthy <i>M. tuberculosis</i> Infected South Africans. <i>PLoS Pathogens</i> , 2016, 12, e1005760.	2.1	128
12	Autoimmunity in Parkinson's Disease: The Role of α -Synuclein-Specific T Cells. <i>Frontiers in Immunology</i> , 2019, 10, 303.	2.2	120
13	The SystemMHC Atlas project. <i>Nucleic Acids Research</i> , 2018, 46, D1237-D1247.	6.5	119
14	Relationship of SARS-CoV-2-specific CD4 response to COVID-19 severity and impact of HIV-1 and tuberculosis coinfection. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	113
15	An open-source computational and data resource to analyze digital maps of immunopeptidomes. <i>ELife</i> , 2015, 4, .	2.8	107
16	Disruption of an antimycobacterial circuit between dendritic and helper T cells in human SPPL2a deficiency. <i>Nature Immunology</i> , 2018, 19, 973-985.	7.0	96
17	Dissecting Mechanisms of Immunodominance to the Common Tuberculosis Antigens ESAT-6, CFP10, Rv2031c (<i>hspX</i>), Rv2654c (<i>TB7.7</i>), and Rv1038c (<i>EsxJ</i>). <i>Journal of Immunology</i> , 2012, 188, 5020-5031.	0.4	95
18	Transcriptional Profile of Tuberculosis Antigen-Specific T Cells Reveals Novel Multifunctional Features. <i>Journal of Immunology</i> , 2014, 193, 2931-2940.	0.4	91

#	ARTICLE	IF	CITATIONS
19	Automatic Generation of Validated Specific Epitope Sets. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.	0.9	90
20	Recurrent group A <i>Streptococcus</i> tonsillitis is an immunosusceptibility disease involving antibody deficiency and aberrant T _{FH} cells. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	90
21	Previously undescribed grass pollen antigens are the major inducers of T helper 2 cytokine-producing T cells in allergic individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3459-3464.	3.3	88
22	The Role of Potassium in Inflammasome Activation by Bacteria. <i>Journal of Biological Chemistry</i> , 2010, 285, 10508-10518.	1.6	87
23	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
24	A strategy to determine HLA class II restriction broadly covering the DR, DP, and DQ allelic variants most commonly expressed in the general population. <i>Immunogenetics</i> , 2013, 65, 357-370.	1.2	77
25	Can we predict tuberculosis cure? What tools are available?. <i>European Respiratory Journal</i> , 2018, 52, 1801089.	3.1	73
26	PD-1 blockade exacerbates <i>Mycobacterium tuberculosis</i> infection in rhesus macaques. <i>Science Immunology</i> , 2021, 6, .	5.6	70
27	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
28	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
29	Circulating T cell-monocyte complexes are markers of immune perturbations. <i>ELife</i> , 2019, 8, .	2.8	67
30	Antigens for CD4 and CD8 T Cells in Tuberculosis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a018465-a018465.	2.9	64
31	Definition of Human Epitopes Recognized in Tetanus Toxoid and Development of an Assay Strategy to Detect Ex Vivo Tetanus CD4+ T Cell Responses. <i>PLoS ONE</i> , 2017, 12, e0169086.	1.1	60
32	<i>Pseudomonas aeruginosa</i> pilin activates the inflammasome. <i>Cellular Microbiology</i> , 2011, 13, 388-401.	1.1	55
33	Multimodally profiling memory T cells from a tuberculosis cohort identifies cell state associations with demographics, environment and disease. <i>Nature Immunology</i> , 2021, 22, 781-793.	7.0	52
34	A Population Response Analysis Approach To Assign Class II HLA-Epitope Restrictions. <i>Journal of Immunology</i> , 2015, 194, 6164-6176.	0.4	51
35	Tissue-resident-like CD4+ T cells secreting IL-17 control <i>Mycobacterium tuberculosis</i> in the human lung. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	51
36	Host resistance to pulmonary <i>Mycobacterium tuberculosis</i> infection requires CD153 expression. <i>Nature Microbiology</i> , 2018, 3, 1198-1205.	5.9	48

#	ARTICLE	IF	CITATIONS
37	Lack of evidence for BCG vaccine protection from severe COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25203-25204.	3.3	46
38	Safety and immunogenicity of the adjunct therapeutic vaccine ID93+GLA-SE in adults who have completed treatment for tuberculosis: a randomised, double-blind, placebo-controlled, phase 2a trial. Lancet Respiratory Medicine, 2021, 9, 373-386.	5.2	46
39	Transcriptomic Analysis of CD4+ T Cells Reveals Novel Immune Signatures of Latent Tuberculosis. Journal of Immunology, 2018, 200, 3283-3290.	0.4	43
40	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
41	Limited recognition of Mycobacterium tuberculosis-infected macrophages by polyclonal CD4 and CD8 T cells from the lungs of infected mice. Mucosal Immunology, 2020, 13, 140-148.	2.7	40
42	The TB-specific CD4+ T cell immune repertoire in both cynomolgus and rhesus macaques largely overlap with humans. Tuberculosis, 2015, 95, 722-735.	0.8	39
43	Differential Recognition of Mycobacterium tuberculosis Specific Epitopes as a Function of Tuberculosis Disease History. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 772-781.	2.5	39
44	Roles for the adaptive immune system in Parkinson's and Alzheimer's diseases. Current Opinion in Immunology, 2019, 59, 115-120.	2.4	38
45	Disease extent and anti-tubercular treatment response correlates with Mycobacterium tuberculosis-specific CD4 T cell phenotype regardless of HIV-1 status. Clinical and Translational Immunology, 2020, 9, e1176.	1.7	37
46	Widespread Tau-Specific CD4 T Cell Reactivity in the General Population. Journal of Immunology, 2019, 203, 84-92.	0.4	36
47	A side-by-side comparison of T cell reactivity to fifty-nine Mycobacterium tuberculosis antigens in diverse populations from five continents. Tuberculosis, 2015, 95, 713-721.	0.8	35
48	Classical CD4 T cells as the cornerstone of antimycobacterial immunity. Immunological Reviews, 2021, 301, 10-29.	2.8	35
49	A Mycobacterium tuberculosis-specific subunit vaccine that provides synergistic immunity upon co-administration with Bacillus Calmette-Guérin. Nature Communications, 2021, 12, 6658.	5.8	35
50	Limited Pulmonary Mucosal-Associated Invariant T Cell Accumulation and Activation during Mycobacterium tuberculosis Infection in Rhesus Macaques. Infection and Immunity, 2018, 86, .	1.0	34
51	Mycobacterium tuberculosis-specific CD4 T cells expressing CD153 inversely associate with bacterial load and disease severity in human tuberculosis. Mucosal Immunology, 2021, 14, 491-499.	2.7	33
52	HLA-DR Marks Recently Divided Antigen-Specific Effector CD4 T Cells in Active Tuberculosis Patients. Journal of Immunology, 2021, 207, 523-533.	0.4	33
53	Microbiota epitope similarity either dampens or enhances the immunogenicity of disease-associated antigenic epitopes. PLoS ONE, 2018, 13, e0196551.	1.1	31
54	Host Transcriptomics as a Tool to Identify Diagnostic and Mechanistic Immune Signatures of Tuberculosis. Frontiers in Immunology, 2019, 10, 221.	2.2	31

#	ARTICLE	IF	CITATIONS
55	Virus-specific T cells for adenovirus infection after stem cell transplantation are highly effective and class II HLA restricted. <i>Blood Advances</i> , 2021, 5, 3309-3321.	2.5	26
56	The TCR repertoire of α -synuclein-specific T cells in Parkinson's disease is surprisingly diverse. <i>Scientific Reports</i> , 2021, 11, 302.	1.6	26
57	Anti-HIV potency of T-cell responses elicited by dendritic cell therapeutic vaccination. <i>PLoS Pathogens</i> , 2019, 15, e1008011.	2.1	25
58	The Challenge of Distinguishing Cell-Cell Complexes from Singlet Cells in Non-imaging Flow Cytometry and Single-Cell Sorting. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 1127-1135.	1.1	25
59	Inflammation in Experimental Models of α -Synucleinopathies. <i>Movement Disorders</i> , 2021, 36, 37-49.	2.2	24
60	MTBVAC vaccination protects rhesus macaques against aerosol challenge with <i>M. tuberculosis</i> and induces immune signatures analogous to those observed in clinical studies. <i>Npj Vaccines</i> , 2021, 6, 4.	2.9	23
61	Functional inactivation of pulmonary MAIT cells following 5-OP-RU treatment of non-human primates. <i>Mucosal Immunology</i> , 2021, 14, 1055-1066.	2.7	23
62	Quantitative and Qualitative Perturbations of CD8 ⁺ MAITs in Healthy <i>Mycobacterium tuberculosis</i> -Infected Individuals. <i>ImmunoHorizons</i> , 2020, 4, 292-307.	0.8	21
63	Risk assessment of latent tuberculosis infection through a multiplexed cytokine biosensor assay and machine learning feature selection. <i>Scientific Reports</i> , 2021, 11, 20544.	1.6	20
64	Transcriptional analysis of peripheral memory T cells reveals Parkinson's disease-specific gene signatures. <i>Npj Parkinson's Disease</i> , 2022, 8, 30.	2.5	20
65	Nontuberculous Mycobacteria and Heterologous Immunity to Tuberculosis. <i>Journal of Infectious Diseases</i> , 2019, 220, 1091-1098.	1.9	19
66	Definition of CD4 Immunosignatures Associated with MTB. <i>Frontiers in Immunology</i> , 2014, 5, 124.	2.2	18
67	DAFi: A directed recursive data filtering and clustering approach for improving and interpreting data clustering identification of cell populations from polychromatic flow cytometry data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 597-610.	1.1	18
68	Experimental validation of the RATE tool for inferring HLA restrictions of T cell epitopes. <i>BMC Immunology</i> , 2017, 18, 20.	0.9	17
69	The role of immune-mediated alterations and disorders in ALS disease. <i>Human Immunology</i> , 2021, 82, 155-161.	1.2	17
70	Human CD8 ⁺ and CD4 ⁺ T Cell Memory to Lymphocytic Choriomeningitis Virus Infection. <i>Journal of Virology</i> , 2011, 85, 11770-11780.	1.5	15
71	HIV Interferes with <i>Mycobacterium tuberculosis</i> Antigen Presentation in Human Dendritic Cells. <i>American Journal of Pathology</i> , 2016, 186, 3083-3093.	1.9	15
72	T Cell Responses to Neural Autoantigens Are Similar in Alzheimer's Disease Patients and Age-Matched Healthy Controls. <i>Frontiers in Neuroscience</i> , 2020, 14, 874.	1.4	15

#	ARTICLE	IF	CITATIONS
73	CD4 T cells are rapidly depleted from tuberculosis granulomas following acute SIV co-infection. <i>Cell Reports</i> , 2022, 39, 110896.	2.9	15
74	Identification of Mycobacterial RplJ/L10 and RpsA/S1 Proteins as Novel Targets for CD4 ⁺ T Cells. <i>Infection and Immunity</i> , 2017, 85, .	1.0	13
75	Characterization of Proinsulin T Cell Epitopes Restricted by Type 1 Diabetes-Associated HLA Class II Molecules. <i>Journal of Immunology</i> , 2020, 204, 2349-2359.	0.4	13
76	Distinct blood transcriptomic signature of treatment in latent tuberculosis infected individuals at risk of developing active disease. <i>Tuberculosis</i> , 2021, 131, 102127.	0.8	13
77	Expression and Regulation of the Escherichia coli O157:H7 Effector Proteins NleH1 and NleH2. <i>PLoS ONE</i> , 2012, 7, e33408.	1.1	12
78	A High Throughput Whole Blood Assay for Analysis of Multiple Antigen-Specific T Cell Responses in Human <i>Mycobacterium tuberculosis</i> Infection. <i>Journal of Immunology</i> , 2018, 200, 3008-3019.	0.4	11
79	Is mapping the BCG vaccine-induced immune responses the key to improving the efficacy against tuberculosis?. <i>Journal of Internal Medicine</i> , 2020, 288, 651-660.	2.7	11
80	CD4 ⁺ CCR6 ⁺ T cells dominate the BCG-induced transcriptional signature. <i>EBioMedicine</i> , 2021, 74, 103746.	2.7	11
81	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 496 adults from San Diego, California, USA. <i>Human Immunology</i> , 2018, 79, 821-822.	1.2	10
82	Transient Immune Activation in BCG-Vaccinated Infant Rhesus Macaques Is Not Sufficient to Influence Oral Simian Immunodeficiency Virus Infection. <i>Journal of Infectious Diseases</i> , 2020, 222, 44-53.	1.9	10
83	Profiling Human Cytomegalovirus-Specific T Cell Responses Reveals Novel Immunogenic Open Reading Frames. <i>Journal of Virology</i> , 2021, 95, e0094021.	1.5	9
84	100 Years of the Bacillus Calmette-Guérin vaccine. <i>Vaccine</i> , 2021, 39, 7221-7222.	1.7	9
85	Central and Peripheral Inflammation: Connecting the Immune Responses of Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, S129-S136.	1.5	9
86	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 339 adults from Managua, Nicaragua. <i>Human Immunology</i> , 2018, 79, 1-2.	1.2	8
87	Functional Analysis of Immune Signature Genes in Th1* Memory Cells Links ISOC1 and Pyrimidine Metabolism to IFN- γ and IL-17 Production. <i>Journal of Immunology</i> , 2021, 206, 1181-1193.	0.4	8
88	Proteome-Wide Zika Virus CD4 T Cell Epitope and HLA Restriction Determination. <i>ImmunoHorizons</i> , 2020, 4, 444-453.	0.8	8
89	Immunodominant MHC-II (Major Histocompatibility Complex II) Restricted Epitopes in Human Apolipoprotein B. <i>Circulation Research</i> , 2022, 131, 258-276.	2.0	8
90	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

#	ARTICLE	IF	CITATIONS
91	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 159 individuals from the Worcester region of the Western Cape province of South Africa. <i>Human Immunology</i> , 2018, 79, 143-144.	1.2	7
92	Identification of Mycobacterial Ribosomal Proteins as Targets for CD4 ⁺ T Cells That Enhance Protective Immunity in Tuberculosis. <i>Infection and Immunity</i> , 2018, 86, .	1.0	7
93	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 100 Luo infants from the Boro area of Nyanza Province, Kenya. <i>Human Immunology</i> , 2017, 78, 325-326.	1.2	6
94	<i>Brucella melitensis</i> T Cell Epitope Recognition in Humans with Brucellosis in Peru. <i>Infection and Immunity</i> , 2014, 82, 124-131.	1.0	4
95	The interplay of sequence conservation and T cell immune recognition. , 2014, , .		2
96	Large-Scale Epitope Identification Screen and Its Potential Application to the Study of Alopecia Areata. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2018, 19, S54-S56.	0.8	2
97	Editorial: Exploring Immune Variability in Susceptibility to Tuberculosis Infection in Humans. <i>Frontiers in Immunology</i> , 2021, 12, 830920.	2.2	1