

Chetan Seshadri

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,587
citations

394286

19
h-index

360920

35
g-index

42
all docs

42
docs citations

42
times ranked

2563
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunological mechanisms of human resistance to persistent <i>Mycobacterium tuberculosis</i> infection. <i>Nature Reviews Immunology</i> , 2018, 18, 575-589.	10.6	241
2	COMPASS identifies T-cell subsets correlated with clinical outcomes. <i>Nature Biotechnology</i> , 2015, 33, 610-616.	9.4	232
3	IFN- γ -independent immune markers of <i>Mycobacterium tuberculosis</i> exposure. <i>Nature Medicine</i> , 2019, 25, 977-987.	15.2	186
4	CD1b tetramers bind α β T cell receptors to identify a mycobacterial glycolipid-reactive T cell repertoire in humans. <i>Journal of Experimental Medicine</i> , 2011, 208, 1741-1747.	4.2	132
5	<i>Mycobacterium tuberculosis</i> lipoprotein LprG (Rv1411c) binds triacylated glycolipid agonists of Toll-like receptor 2. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1088-1095.	3.6	122
6	Transcriptional networks are associated with resistance to <i>Mycobacterium tuberculosis</i> infection. <i>PLoS ONE</i> , 2017, 12, e0175844.	1.1	64
7	Harnessing donor unrestricted T-cells for new vaccines against tuberculosis. <i>Vaccine</i> , 2019, 37, 3022-3030.	1.7	59
8	A polymorphism in human MR1 is associated with mRNA expression and susceptibility to tuberculosis. <i>Genes and Immunity</i> , 2017, 18, 8-14.	2.2	55
9	A Randomized, Double-Blinded, Placebo-Controlled, Phase 1 Study of a Replication-Defective Herpes Simplex Virus (HSV) Type 2 Vaccine, HSV529, in Adults With or Without HSV Infection. <i>Journal of Infectious Diseases</i> , 2019, 220, 990-1000.	1.9	44
10	Comorbid illnesses are associated with altered adaptive immune responses to SARS-CoV-2. <i>JCI Insight</i> , 2021, 6, .	2.3	39
11	Human CD1a Deficiency Is Common and Genetically Regulated. <i>Journal of Immunology</i> , 2013, 191, 1586-1593.	0.4	37
12	In Vivo Biosynthesis of Terpene Nucleosides Provides Unique Chemical Markers of <i>Mycobacterium tuberculosis</i> Infection. <i>Chemistry and Biology</i> , 2015, 22, 516-526.	6.2	34
13	A Diverse Lipid Antigen-Specific TCR Repertoire Is Clonally Expanded during Active Tuberculosis. <i>Journal of Immunology</i> , 2018, 201, 888-896.	0.4	30
14	A polymorphism in human CD1A is associated with susceptibility to tuberculosis. <i>Genes and Immunity</i> , 2014, 15, 195-198.	2.2	29
15	T Cell Responses against Mycobacterial Lipids and Proteins Are Poorly Correlated in South African Adolescents. <i>Journal of Immunology</i> , 2015, 195, 4595-4603.	0.4	27
16	Identification and visualization of multidimensional antigen-specific T cell populations in polychromatic cytometry data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 675-682.	1.1	25
17	CD1b Tetramers Identify T Cells that Recognize Natural and Synthetic Diacylated Sulfoglycolipids from <i>Mycobacterium tuberculosis</i> . <i>Cell Chemical Biology</i> , 2018, 25, 392-402.e14.	2.5	23
18	Lipoproteins Are Major Targets of the Polyclonal Human T Cell Response to <i>Mycobacterium tuberculosis</i> . <i>Journal of Immunology</i> , 2013, 190, 278-284.	0.4	22

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19	Validation of a CD1b tetramer assay for studies of human mycobacterial infection or vaccination. <i>Journal of Immunological Methods</i> , 2018, 458, 44-52.	0.6	22
20	Asymmetric synthesis and structure elucidation of a glycerophospholipid from <i>Mycobacterium tuberculosis</i> . <i>Journal of Lipid Research</i> , 2010, 51, 1017-1022.	2.0	21
21	Effects of BCG vaccination on donor unrestricted T cells in two prospective cohort studies. <i>EBioMedicine</i> , 2022, 76, 103839.	2.7	19
22	T Cells Specific for a Mycobacterial Glycolipid Expand after Intravenous Bacillus Calmette-Guérin Vaccination. <i>Journal of Immunology</i> , 2021, 206, 1240-1250.	0.4	18
23	T Cell Responses to Mycobacterial Glycolipids: On the Spectrum of Innateness. <i>Frontiers in Immunology</i> , 2020, 11, 170.	2.2	14
24	Monocyte metabolic transcriptional programs associate with resistance to tuberculin skin test/interferon- γ release assay conversion. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	13
25	Toll-like receptor chaperone HSP90B1 and the immune response to Mycobacteria. <i>PLoS ONE</i> , 2018, 13, e0208940.	1.1	12
26	A Modular Microscale Granuloma Model for Immune-Microenvironment Signaling Studies in vitro. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 931.	2.0	11
27	Low Sensitivity of T-Cell Based Detection of Tuberculosis among HIV Co-Infected Tanzanian In-Patients. <i>East African Medical Journal</i> , 2008, 85, 442.	0.0	8
28	Conservation of molecular and cellular phenotypes of invariant NKT cells between humans and non-human primates. <i>Immunogenetics</i> , 2019, 71, 465-478.	1.2	8
29	CD4 and CD8 co-receptors modulate functional avidity of CD1b-restricted T cells. <i>Nature Communications</i> , 2022, 13, 78.	5.8	8
30	Understanding How BCG Vaccine Protects Against <i>Mycobacterium tuberculosis</i> Infection: Lessons From Household Contact Studies. <i>Journal of Infectious Diseases</i> , 2020, 221, 1229-1231.	1.9	5
31	Novel HLA associations with outcomes of <i>Mycobacterium tuberculosis</i> exposure and sarcoidosis in individuals of African ancestry using nearest-neighbor feature selection. <i>Genetic Epidemiology</i> , 2022, 46, 463-474.	0.6	5
32	Durable Expansion of TCR γ Meta-Clonotypes After BCG Revaccination in Humans. <i>Frontiers in Immunology</i> , 2022, 13, 834757.	2.2	4
33	Correlates of 90-Day Mortality Among People Who Do and Do Not Inject Drugs With Infective Endocarditis in Seattle, Washington. <i>Open Forum Infectious Diseases</i> , 2022, 9, ofac150.	0.4	2
34	Editorial: Exploring Immune Variability in Susceptibility to Tuberculosis Infection in Humans. <i>Frontiers in Immunology</i> , 2021, 12, 830920.	2.2	1
35	702. Characteristics of Infective Endocarditis (IE) and Predictors of 90-day Mortality Among People Who Do and Do Not Inject Drugs with IE in Seattle, Washington. <i>Open Forum Infectious Diseases</i> , 2020, 7, S401-S402.	0.4	0
36	A simple assay to quantify mycobacterial lipid antigen-specific T cell receptors in human tissues and blood. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0010018.	1.3	0