Samuel M Behar

List of Publications by Year
in descending order

117 papers	12,498 citations	24978 57 h-index	25716 108 g-index
128 all docs	128 docs citations	128 times ranked	11189 citing authors

#	Article	IF	Citations
1	Recognition of a lipid antigen by CD1-restricted Î±Î²+ T cells. Nature, 1994, 372, 691-694.	13.7	962
2	Natural killer T cells recognize diacylglycerol antigens from pathogenic bacteria. Nature Immunology, 2006, 7, 978-986.	7.0	567
3	Murine CD1d-Restricted T Cell Recognition of Cellular Lipids. Immunity, 2000, 12, 211-221.	6.6	445
4	Evasion of innate immunity by Mycobacterium tuberculosis: is death an exit strategy?. Nature Reviews Microbiology, 2010, 8, 668-674.	13.6	380
5	Apoptosis is an innate defense function of macrophages against Mycobacterium tuberculosis. Mucosal Immunology, 2011, 4, 279-287.	2.7	361
6	Dissemination of Mycobacterium tuberculosis Is Influenced by Host Factors and Precedes the Initiation of T-Cell Immunity. Infection and Immunity, 2002, 70, 4501-4509.	1.0	352
7	Susceptibility of Mice Deficient in CD1D or TAP1 to Infection with Mycobacterium tuberculosis. Journal of Experimental Medicine, 1999, 189, 1973-1980.	4.2	329
8	Lipid mediators in innate immunity against tuberculosis: opposing roles of PGE2 and LXA4 in the induction of macrophage death. Journal of Experimental Medicine, 2008, 205, 2791-2801.	4.2	325
9	The Mannose Receptor Delivers Lipoglycan Antigens to Endosomes for Presentation to T Cells by CD1b Molecules. Immunity, 1997, 6, 187-197.	6.6	320
10	Regulation of neutrophils by interferon-Î³ limits lung inflammation during tuberculosis infection. Journal of Experimental Medicine, 2011, 208, 2251-2262.	4.2	314
11	Mycobacterium tuberculosis evades macrophage defenses by inhibiting plasma membrane repair. Nature Immunology, 2009, 10, 899-906.	7.0	303
12	Tryptophan Biosynthesis Protects Mycobacteria from CD4 T-Cell-Mediated Killing. Cell, 2013, 155, 1296-1308.	13.5	296
13	Inflammatory signaling in human tuberculosis granulomas is spatially organized. Nature Medicine, 2016, 22, 531-538.	15.2	273
14	In search of a new paradigm for protective immunity to TB. Nature Reviews Microbiology, 2014, 12, 289-299.	13.6	259
15	Eicosanoid pathways regulate adaptive immunity to Mycobacterium tuberculosis. Nature Immunology, 2010, 11, 751-758.	7.0	232
16	Efferocytosis Is an Innate Antibacterial Mechanism. Cell Host and Microbe, 2012, 12, 289-300.	5.1	226
17	Cytoplasmic Tail-Dependent Localization of CD1b Antigen-Presenting Molecules to MIICs. Science, 1996, 273, 349-352.	6.0	224
18	Emerging Tim-3 functions in antimicrobial and tumor immunity. Trends in Immunology, 2011, 32, 345-349.	2.9	215

#	Article	IF	Citations
19	A Comparative Lipidomics Platform for Chemotaxonomic Analysis of Mycobacterium tuberculosis. Chemistry and Biology, 2011, 18, 1537-1549.	6.2	188
20	IL-1Î² Promotes Antimicrobial Immunity in Macrophages by Regulating TNFR Signaling and Caspase-3 Activation. Journal of Immunology, 2013, 190, 4196-4204.	0.4	180
21	Innate Invariant NKT Cells Recognize Mycobacterium tuberculosisâ€“Infected Macrophages, Produce Interferon-Î³, and Kill Intracellular Bacteria. PLoS Pathogens, 2008, 4, e1000239.	2.1	177
22	Activation of NKT Cells Protects Mice from Tuberculosis. Infection and Immunity, 2002, 70, 6302-6309.	1.0	172
23	Tim3 binding to galectin-9 stimulates antimicrobial immunity. Journal of Experimental Medicine, 2010, 207, 2343-2354.	4.2	165
24	In Vivo Depletion of CD11c+ Cells Delays the CD4+ T Cell Response to <i>Mycobacterium tuberculosis</i> and Exacerbates the Outcome of Infection. Journal of Immunology, 2005, 175, 3268-3272.	0.4	162
25	Role of CD1d-Restricted NKT Cells in Microbial Immunity. Infection and Immunity, 2003, 71, 5447-5455.	1.0	153
26	Gamma Interferon-Producing CD4+ T Lymphocytes in the Lung Correlate with Resistance to Infection withMycobacterium tuberculosis. Infection and Immunity, 2001, 69, 2666-2674.	1.0	150
27	TIM3 Mediates T Cell Exhaustion during Mycobacterium tuberculosis Infection. PLoS Pathogens, 2016, 12, e1005490.	2.1	147
28	Mycobacterium tuberculosis-Specific CD8+ T Cells and Their Role in Immunity. Critical Reviews in Immunology, 2006, 26, 317-352.	1.0	135
29	Macrophages clean up: efferocytosis and microbial control. Current Opinion in Microbiology, 2014, 17, 17-23.	2.3	134
30	Recognition of microbial and mammalian phospholipid antigens by NKT cells with diverse TCRs. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1827-1832.	3.3	129
31	<i>Mycobacterium tuberculosis</i>-Specific CD8+ T Cells Require Perforin to Kill Target Cells and Provide Protection In Vivo. Journal of Immunology, 2008, 181, 8595-8603.	0.4	126
32	Structural Features of the Acyl Chain Determine Self-phospholipid Antigen Recognition by a CD1d-restricted Invariant NKT (iNKT) Cell. Journal of Biological Chemistry, 2003, 278, 47508-47515.	1.6	123
33	Cytolytic CD8+ T Cells Recognizing CFP10 Are Recruited to the Lung after Mycobacterium tuberculosis Infection. Journal of Experimental Medicine, 2004, 200, 1479-1489.	4.2	123
34	Tuberculosis Susceptibility and Vaccine Protection Are Independently Controlled by Host Genotype. MBio, 2016, 7, .	1.8	116
35	Dying to Live: How the Death Modality of the Infected Macrophage Affects Immunity to Tuberculosis. Advances in Experimental Medicine and Biology, 2013, 783, 103-120.	0.8	113
36	iNKT Cell Production of GM-CSF Controls Mycobacterium tuberculosis. PLoS Pathogens, 2014, 10, e1003805.	2.1	108

#	Article	IF	Citations
37	Synovial fibroblasts selfâ€direct multicellular lining architecture and synthetic function in threeâ€dimensional organ culture. Arthritis and Rheumatism, 2010, 62, 742-752.	6.7	102
38	Interplay of Cytokines and Microbial Signals in Regulation of CD1d Expression and NKT Cell Activation. Journal of Immunology, 2005, 175, 3584-3593.	0.4	99
39	Mechanisms of autoimmune disease induction. Arthritis and Rheumatism, 1995, 38, 458-476.	6.7	98
40	Cardiolipin Binds to CD1d and Stimulates CD1d-Restricted Î³Î´ T Cells in the Normal Murine Repertoire. Journal of Immunology, 2011, 186, 4771-4781.	0.4	97
41	A pathway of costimulation that prevents anergy in CD28- T cells: B7-independent costimulation of CD1-restricted T cells.. Journal of Experimental Medicine, 1995, 182, 2007-2018.	4.2	93
42	Primary type II alveolar epithelial cells present microbial antigens to antigen-specific CD4+T cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L274-L279.	1.3	92
43	Multimodal profiling of lung granulomas in macaques reveals cellular correlates of tuberculosis control. Immunity, 2022, 55, 827-846.e10.	6.6	92
44	Tuberculosis Triggers a Tissue-Dependent Program of Differentiation and Acquisition of Effector Functions by Circulating Monocytes. Journal of Immunology, 2008, 181, 6349-6360.	0.4	91
45	Antigen-Specific CD8+T Cells and the Development of Central Memory duringMycobacterium tuberculosisInfection. Journal of Immunology, 2006, 177, 6361-6369.	0.4	89
46	Tolerance has its limits: how the thymus copes with infection. Trends in Immunology, 2013, 34, 502-510.	2.9	86
47	Lysosomal Localization of Murine CD1d Mediated by AP-3 Is Necessary for NK T Cell Development. Journal of Immunology, 2003, 171, 4149-4155.	0.4	85
48	EspA Acts as a Critical Mediator of ESX1-Dependent Virulence in Mycobacterium tuberculosis by Affecting Bacterial Cell Wall Integrity. PLoS Pathogens, 2010, 6, e1000957.	2.1	84
49	The Tim3â€"Galectin 9 Pathway Induces Antibacterial Activity in Human Macrophages Infected with <i>Mycobacterium tuberculosis</i>. Journal of Immunology, 2012, 189, 5896-5902.	0.4	80
50	Mycobacterium tuberculosis-specific CD4+ and CD8+ T cells differ in their capacity to recognize infected macrophages. PLoS Pathogens, 2018, 14, e1007060.	2.1	78
51	Antigen-Specific CD8+ T Cells and Protective Immunity to Tuberculosis. Advances in Experimental Medicine and Biology, 2013, 783, 141-163.	0.8	77
52	Regulation of CD1 Function and NK1.1+ T Cell Selection and Maturation by Cathepsin S. Immunity, 2001, 15, 909-919.	6.6	75
53	Toll-Like Receptor 4-Defective C3H/HeJ Mice Are Not More Susceptible than Other C3H Substrains to Infection with Mycobacterium tuberculosis. Infection and Immunity, 2003, 71, 4112-4118.	1.0	72
54	Primary deficiency of microsomal triglyceride transfer protein in human abetalipoproteinemia is associated with loss of CD1 function. Journal of Clinical Investigation, 2010, 120, 2889-2899.	3.9	71

#	Article	IF	Citations
55	CD4 TÂcell help prevents CD8 TÂcell exhaustion and promotes control of Mycobacterium tuberculosis infection. Cell Reports, 2021, 36, 109696.	2.9	69
56	Role of Granulocyte-Macrophage Colony-Stimulating Factor Production by T Cells during<i>Mycobacterium tuberculosis</i>Infection. MBio, 2017, 8, .	1.8	65
57	Susceptibility to Mycobacterium tuberculosis: lessons from inbred strains of mice. Tuberculosis, 2003, 83, 279-285.	0.8	63
58	Lipids, apoptosis, and cross-presentation: links in the chain of host defense against Mycobacterium tuberculosis. Microbes and Infection, 2011, 13, 749-756.	1.0	62
59	Characterization of guinea-pig group 1 CD1 proteins. Immunology, 2002, 106, 159-172.	2.0	61
60	TRAV1-2+ CD8+ T-cells including oligoconal expansions of MAIT cells are enriched in the airways in human tuberculosis. Communications Biology, 2019, 2, 203.	2.0	60
61	Fine Specificity of TCR Complementarity-Determining Region Residues and Lipid Antigen Hydrophilic Moieties in the Recognition of a CD1-Lipid Complex. Journal of Immunology, 2002, 168, 3933-3940.	0.4	58
62	Characterization of somatically mutated S107 VH11-encoded anti-DNA autoantibodies derived from autoimmune (NZB x NZW)F1 mice.. Journal of Experimental Medicine, 1991, 173, 731-741.	4.2	53
63	Orchestration of pulmonary T cell immunity during Mycobacterium tuberculosis infection: Immunity interruptus. Seminars in Immunology, 2014, 26, 559-577.	2.7	53
64	Discordant QuantiFERON-TB Gold Test Results Among US Healthcare Workers With Increased Risk of Latent Tuberculosis Infection: A Problem or Solution?. Infection Control and Hospital Epidemiology, 2008, 29, 878-886.	1.0	51
65	Î±-Galactosylceramide as a Therapeutic Agent for Pulmonary<i>Mycobacterium tuberculosis</i>Infection. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 841-847.	2.5	51
66	Tissue-resident-like CD4+ T cells secreting IL-17 control Mycobacterium tuberculosis in the human lung. Journal of Clinical Investigation, 2021, 131, .	3.9	51
67	Molecular Recognition of Human CD1b Antigen Complexes: Evidence for a Common Pattern of Interaction with Î±Î² TCRs. Journal of Immunology, 2000, 165, 4494-4504.	0.4	49
68	Apoptosis inhibition by intracellular bacteria and its consequence on host immunity. Current Opinion in Immunology, 2019, 60, 103-110.	2.4	49
69	The LFA-1 Adhesion Molecule Is Required for Protective Immunity during Pulmonary<i>Mycobacterium tuberculosis</i>Infection. Journal of Immunology, 2006, 176, 4914-4922.	0.4	48
70	Mycolyltransferase-mediated Glycolipid Exchange in Mycobacteria. Journal of Biological Chemistry, 2008, 283, 28835-28841.	1.6	47
71	Vaccine-Elicited 10-Kilodalton Culture Filtrate Protein-Specific CD8 + T Cells Are Sufficient To Mediate Protection against Mycobacterium tuberculosis Infection. Infection and Immunity, 2008, 76, 2249-2255.	1.0	45
72	Differential skewing of donor-unrestricted and Î³Î´ T cell repertoires in tuberculosis-infected human lungs. Journal of Clinical Investigation, 2019, 130, 214-230.	3.9	45

#	Article	IF	Citations
73	A Higher Activation Threshold of Memory CD8+ T Cells Has a Fitness Cost That Is Modified by TCR Affinity during Tuberculosis. PLoS Pathogens, 2016, 12, e1005380.	2.1	44
74	Diverse CD1d-restricted T cells: diverse phenotypes, and diverse functions. Seminars in Immunology, 2000, 12, 551-560.	2.7	43
75	Use of the T-SPOT.<i>TB</i> Assay to Detect Latent Tuberculosis Infection Among Rheumatic Disease Patients on Immunosuppressive Therapy. Journal of Rheumatology, 2009, 36, 546-551.	1.0	42
76	Somatic diversification of the S107 (T15) VH11 germ-line gene that encodes the heavy-chain variable region of antibodies to double-stranded DNA in (NZB x NZW)F1 mice.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 3970-3974.	3.3	41
77	Next generation: tuberculosis vaccines that elicit protective CD8+T cells. Expert Review of Vaccines, 2007, 6, 441-456.	2.0	40
78	Bacterial Protein Secretion Is Required for Priming of CD8⁺T Cells Specific for the<i>Mycobacterium tuberculosis</i>Antigen CFP10. Infection and Immunity, 2008, 76, 4199-4205.	1.0	40
79	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
80	CD1â€"A New Paradigm for Antigen Presentation and T Cell Activation. Clinical Immunology and Immunopathology, 1998, 87, 8-14.	2.1	39
81	T Cells Home to the Thymus and Control Infection. Journal of Immunology, 2013, 190, 1646-1658.	0.4	39
82	The Major Histocompatibility Complex Haplotype Affects T-Cell Recognition of Mycobacterial Antigens but Not Resistance to Mycobacterium tuberculosis in C3H Mice. Infection and Immunity, 2004, 72, 6790-6798.	1.0	37
83	IL-21 signaling is essential for optimal host resistance against Mycobacterium tuberculosis infection. Scientific Reports, 2016, 6, 36720.	1.6	37
84	Functionally Overlapping Variants Control Tuberculosis Susceptibility in Collaborative Cross Mice. MBio, 2019, 10, .	1.8	36
85	CD11cHiÂmonocyte-derived macrophages are a major cellular compartment infected by Mycobacterium tuberculosis. PLoS Pathogens, 2020, 16, e1008621.	2.1	36
86	Chromatin Decondensation and T Cell Hyperresponsiveness in Diabetes-Associated Hyperglycemia. Journal of Immunology, 2014, 193, 4457-4468.	0.4	34
87	Mycobacterium tuberculosisDirects Immunofocusing of CD8+T Cell Responses Despite Vaccination. Journal of Immunology, 2011, 186, 1627-1637.	0.4	29
88	Human and Murine Clonal CD8+ T Cell Expansions Arise during Tuberculosis Because of TCR Selection. PLoS Pathogens, 2015, 11, e1004849.	2.1	29
89	Development of a Glycoprotein D-Expressing Dominant-Negative and Replication-Defective Herpes Simplex Virus 2 (HSV-2) Recombinant Viral Vaccine against HSV-2 Infection in Mice. Journal of Virology, 2011, 85, 5036-5047.	1.5	25
90	Autophagy is not the answer. Nature, 2015, 528, 482-483.	13.7	25

#	Article	IF	Citations
91	Multiple Inflammatory Cytokines Converge To Regulate CD8+ T Cell Expansion and Function during Tuberculosis. Journal of Immunology, 2016, 196, 1822-1831.	0.4	24
92	The role of group 1 and group 2 CD1-restricted T cells in microbial immunity. Microbes and Infection, 2005, 7, 544-551.	1.0	23
93	Anamnestic Responses of Mice following Mycobacterium tuberculosis Infection. Infection and Immunity, 2005, 73, 6110-6118.	1.0	23
94	Conservation of CD1 Intracellular Trafficking Patterns Between Mammalian Species. Journal of Immunology, 2002, 169, 6951-6958.	0.4	22
95	A natural polymorphism of Mycobacterium tuberculosis in the esxH gene disrupts immunodomination by the TB10.4-specific CD8 T cell response. PLoS Pathogens, 2020, 16, e1009000.	2.1	22
96	Vaccine-elicited memory CD4+ T cell expansion is impaired in the lungs during tuberculosis. PLoS Pathogens, 2017, 13, e1006704.	2.1	20
97	Critical role for invariant chain in CD1d-mediated selection and maturation of VÎ±14-invariant NKT cells. Immunology Letters, 2011, 139, 33-41.	1.1	16
98	The Molecular Origin of Anti-DNA Antibodies. International Reviews of Immunology, 1989, 5, 23-42.	1.5	14
99	Mitochondrial respiration contributes to the interferon gamma response in antigen-presenting cells. ELife, 2021, 10, .	2.8	14
100	Vaccine-Induced Antibody Isotypes Are Skewed by Impaired CD4 T Cell and Invariant NKT Cell Effector Responses in MyD88-Deficient Mice. Journal of Immunology, 2009, 183, 2252-2260.	0.4	12
101	A new vaccine for tuberculosis in rhesus macaques. Nature Medicine, 2018, 24, 124-126.	15.2	12
102	Clonally expanded V?12+ (AV12S1),CD8+ T cells from a patient with rheumatoid arthritis are autoreactive. Arthritis and Rheumatism, 1998, 41, 498-506.	6.7	11
103	Requirement for Invariant Chain in Macrophages for Mycobacterium tuberculosis Replication and CD1d Antigen Presentation. Infection and Immunity, 2011, 79, 3053-3063.	1.0	11
104	Studies on the Somatic Instability of Immunoglobulin Genes in vivo and in Cultured Cells. Immunological Reviews, 1987, 96, 75-90.	2.8	10
105	Fixing the odds against tuberculosis. Nature, 2014, 511, 39-40.	13.7	6
106	Tuberculosis vaccine finds an improved route. Nature, 2020, 577, 31-32.	13.7	6
107	Multiplexed Strain Phenotyping Defines Consequences of Genetic Diversity in Mycobacterium tuberculosis for Infection and Vaccination Outcomes. MSystems, 2022, 7, e0011022.	1.7	3
108	Expansions of V?12 CD8+ T-Cells in Rheumatoid Arthritis. Annals of the New York Academy of Sciences, 1995, 756, 130-137.	1.8	2

#	Article	IF	Citations
109	IFNÎ³ and iNOS-Mediated Alterations in the Bone Marrow and Thymus and Its Impact on Mycobacterium avium-Induced Thymic Atrophy. Frontiers in Immunology, 2021, 12, 696415.	2.2	2
110	The role of monoclonal antibodies and the recombinant DNA technology in studying autoantibody production. Cellular Immunology, 1986, 99, 29-37.	1.4	1
111	Eicosanoid pathways regulate adaptive immunity to Mycobacterium tuberculosis. , 0, .		1
112	Somatic Diversification of Anti-DNA Antibodies. Annals of the New York Academy of Sciences, 1988, 546, 188-188.	1.8	0
113	Analysis of Peripheral Blood and Salivary Gland Lymphocytes in Sjogrenâ€™s Syndrome. , 1983, , 290-290.		0
114	Title is missing!. , 2020, 16, e1008621.		0
115	Title is missing!. , 2020, 16, e1008621.		0
116	Title is missing!. , 2020, 16, e1008621.		0
117	Title is missing!. , 2020, 16, e1008621.		0