

# Alan Sher

## List of Publications by Citations

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109  
papers

14,959  
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55  
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121  
g-index

121  
ext. papers

17,483  
ext. citations

13.7  
avg, IF

6.34  
L-index

#	Paper	IF	Citations
109	Vaccine adjuvants: putting innate immunity to work. <i>Immunity</i> , <b>2010</b> , 33, 492-503	32.3	1202
108	Type I interferons in infectious disease. <i>Nature Reviews Immunology</i> , <b>2015</b> , 15, 87-103	36.5	1131
107	TLR11 activation of dendritic cells by a protozoan profilin-like protein. <i>Science</i> , <b>2005</b> , 308, 1626-9	33.3	775
106	In vivo microbial stimulation induces rapid CD40 ligand-independent production of interleukin 12 by dendritic cells and their redistribution to T cell areas. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 186, 1819-29	16.6	772
105	Host-directed therapy of tuberculosis based on interleukin-1 and type I interferon crosstalk. <i>Nature</i> , <b>2014</b> , 511, 99-103	50.4	493
104	Conventional T-bet(+)Foxp3(-) Th1 cells are the major source of host-protective regulatory IL-10 during intracellular protozoan infection. <i>Journal of Experimental Medicine</i> , <b>2007</b> , 204, 273-83	16.6	475
103	CD40 triggering of heterodimeric IL-12 p70 production by dendritic cells in vivo requires a microbial priming signal. <i>Immunity</i> , <b>2000</b> , 13, 453-62	32.3	461
102	Cutting edge: MyD88 is required for resistance to <i>Toxoplasma gondii</i> infection and regulates parasite-induced IL-12 production by dendritic cells. <i>Journal of Immunology</i> , <b>2002</b> , 168, 5997-6001	5.3	393
101	Inducible nitric oxide is essential for host control of persistent but not acute infection with the intracellular pathogen <i>Toxoplasma gondii</i> . <i>Journal of Experimental Medicine</i> , <b>1997</b> , 185, 1261-73	16.6	356
100	<i>Helicobacter hepaticus</i> triggers colitis in specific-pathogen-free interleukin-10 (IL-10)-deficient mice through an IL-12- and gamma interferon-dependent mechanism. <i>Infection and Immunity</i> , <b>1998</b> , 66, 5157-66	3.7	346
99	Caspase-1 independent IL-1beta production is critical for host resistance to mycobacterium tuberculosis and does not require TLR signaling in vivo. <i>Journal of Immunology</i> , <b>2010</b> , 184, 3326-30	5.3	343
98	Requirement for Tec kinases Rlk and Itk in T cell receptor signaling and immunity. <i>Science</i> , <b>1999</b> , 284, 638-41	33.3	334
97	CCR5 provides a signal for microbial induced production of IL-12 by CD8 alpha+ dendritic cells. <i>Nature Immunology</i> , <b>2000</b> , 1, 83-7	19.1	300
96	Innate and adaptive interferons suppress IL-1alpha and IL-1beta production by distinct pulmonary myeloid subsets during <i>Mycobacterium tuberculosis</i> infection. <i>Immunity</i> , <b>2011</b> , 35, 1023-34	32.3	286
95	Bacteria-triggered CD4(+) T regulatory cells suppress <i>Helicobacter hepaticus</i> -induced colitis. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 196, 505-15	16.6	273
94	CD8alpha(+) dendritic cells are the critical source of interleukin-12 that controls acute infection by <i>Toxoplasma gondii</i> tachyzoites. <i>Immunity</i> , <b>2011</b> , 35, 249-59	32.3	272
93	Inactivation of LRG-47 and IRG-47 reveals a family of interferon gamma-inducible genes with essential, pathogen-specific roles in resistance to infection. <i>Journal of Experimental Medicine</i> , <b>2001</b> , 194, 181-8	16.6	270

92	Toxoplasma profilin is essential for host cell invasion and TLR11-dependent induction of an interleukin-12 response. <i>Cell Host and Microbe</i> , <b>2008</b> , 3, 77-87	23.4	252
91	The role of dendritic cells in the induction and regulation of immunity to microbial infection. <i>Current Opinion in Immunology</i> , <b>1999</b> , 11, 392-9	7.8	243
90	Cutting edge: IL-12 is required for the maintenance of IFN-gamma production in T cells mediating chronic resistance to the intracellular pathogen, Toxoplasma gondii. <i>Journal of Immunology</i> , <b>2000</b> , 165, 628-31	5.3	242
89	Recognition of profilin by Toll-like receptor 12 is critical for host resistance to Toxoplasma gondii. <i>Immunity</i> , <b>2013</b> , 38, 119-30	32.3	228
88	In the absence of IL-12, CD4(+) T cell responses to intracellular pathogens fail to default to a Th2 pattern and are host protective in an IL-10(-/-) setting. <i>Immunity</i> , <b>2002</b> , 16, 429-39	32.3	222
87	Intranasal Poly-IC treatment exacerbates tuberculosis in mice through the pulmonary recruitment of a pathogen-permissive monocyte/macrophage population. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 1674-82	15.9	212
86	CD4 T cells promote rather than control tuberculosis in the absence of PD-1-mediated inhibition. <i>Journal of Immunology</i> , <b>2011</b> , 186, 1598-607	5.3	211
85	Single cell analysis reveals that IL-4 receptor/Stat6 signaling is not required for the in vivo or in vitro development of CD4+ lymphocytes with a Th2 cytokine profile. <i>Journal of Immunology</i> , <b>2000</b> , 164, 3047-55	5.3	211
84	NK cell-derived interferon- $\gamma$ orchestrates cellular dynamics and the differentiation of monocytes into dendritic cells at the site of infection. <i>Immunity</i> , <b>2012</b> , 36, 1047-59	32.3	200
83	Molecular mimicry of a CCR5 binding-domain in the microbial activation of dendritic cells. <i>Nature Immunology</i> , <b>2003</b> , 4, 485-90	19.1	199
82	Effector cells of both nonhemopoietic and hemopoietic origin are required for interferon (IFN)-gamma- and tumor necrosis factor (TNF)-alpha-dependent host resistance to the intracellular pathogen, Toxoplasma gondii. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 189, 1083-92	16.6	185
81	Dual role for inflammasome sensors NLRP1 and NLRP3 in murine resistance to Toxoplasma gondii. <i>MBio</i> , <b>2014</b> , 5,	7.8	181
80	Interferon consensus sequence binding protein-deficient mice display impaired resistance to intracellular infection due to a primary defect in interleukin 12 p40 induction. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 186, 1523-34	16.6	181
79	Mycobacterium tuberculosis triggers host type I IFN signaling to regulate IL-1 $\beta$ production in human macrophages. <i>Journal of Immunology</i> , <b>2011</b> , 187, 2540-7	5.3	178
78	Host control of Mycobacterium tuberculosis is regulated by 5-lipoxygenase-dependent lipoxin production. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 1601-6	15.9	175
77	Cell-mediated immunity to Toxoplasma gondii: initiation, regulation and effector function. <i>Immunobiology</i> , <b>1999</b> , 201, 240-7	3.4	173
76	Parasite-induced lipoxin A4 is an endogenous regulator of IL-12 production and immunopathology in Toxoplasma gondii infection. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 196, 1253-62	16.6	170
75	Paralysis of dendritic cell IL-12 production by microbial products prevents infection-induced immunopathology. <i>Immunity</i> , <b>1999</b> , 11, 637-47	32.3	163

74	Cutting edge: Endoplasmic reticulum stress licenses macrophages to produce mature IL-1 $\beta$ response to TLR4 stimulation through a caspase-8- and TRIF-dependent pathway. <i>Journal of Immunology</i> , <b>2014</b> , 192, 2029-2033	5.3	128
73	<i>Helicobacter hepaticus</i> -induced colitis in interleukin-10-deficient mice: cytokine requirements for the induction and maintenance of intestinal inflammation. <i>Infection and Immunity</i> , <b>2001</b> , 69, 4232-41	3.7	119
72	Type I interferons in tuberculosis: Foe and occasionally friend. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1273-1285	16.6	100
71	Cytokine and lipid mediator networks in tuberculosis. <i>Immunological Reviews</i> , <b>2015</b> , 264, 264-75	11.3	98
70	Shaping the immune response to parasites: role of dendritic cells. <i>Current Opinion in Immunology</i> , <b>2003</b> , 15, 421-9	7.8	97
69	Influenza A virus impairs control of <i>Mycobacterium tuberculosis</i> coinfection through a type I interferon receptor-dependent pathway. <i>Journal of Infectious Diseases</i> , <b>2014</b> , 209, 270-4	7	94
68	Antibiotic treatment for Tuberculosis induces a profound dysbiosis of the microbiome that persists long after therapy is completed. <i>Scientific Reports</i> , <b>2017</b> , 7, 10767	4.9	94
67	A major role for ferroptosis in -induced cell death and tissue necrosis. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 556-570	16.6	92
66	Cord factor and peptidoglycan recapitulate the Th17-promoting adjuvant activity of mycobacteria through mincle/CARD9 signaling and the inflammasome. <i>Journal of Immunology</i> , <b>2013</b> , 190, 5722-30	5.3	91
65	Mycobacterial antigen driven activation of CD14 <sup>++</sup> CD16 <sup>-</sup> monocytes is a predictor of tuberculosis-associated immune reconstitution inflammatory syndrome. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004433	7.6	90
64	<i>Toxoplasma gondii</i> triggers myeloid differentiation factor 88-dependent IL-12 and chemokine ligand 2 (monocyte chemoattractant protein 1) responses using distinct parasite molecules and host receptors. <i>Journal of Immunology</i> , <b>2004</b> , 172, 6954-60	5.3	86
63	Exogenous pathogen and plant 15-lipoxygenase initiate endogenous lipoxin A4 biosynthesis. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 199, 515-23	16.6	85
62	Longitudinal profiling reveals a persistent intestinal dysbiosis triggered by conventional anti-tuberculosis therapy. <i>Microbiome</i> , <b>2017</b> , 5, 71	16.6	76
61	Innate resistance against <i>Toxoplasma gondii</i> : an evolutionary tale of mice, cats, and men. <i>Cell Host and Microbe</i> , <b>2014</b> , 15, 132-8	23.4	76
60	Induction and regulation of IL-12-dependent host resistance to <i>Toxoplasma gondii</i> . <i>Immunologic Research</i> , <b>2003</b> , 27, 521-8	4.3	73
59	Induction of colitis by a CD4 <sup>+</sup> T cell clone specific for a bacterial epitope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 15830-5	11.5	70
58	Th1/Th2 effector choice in parasitic infection: decision making by committee. <i>Current Opinion in Immunology</i> , <b>2001</b> , 13, 403-9	7.8	65
57	N-acetyl-cysteine exhibits potent anti-mycobacterial activity in addition to its known anti-oxidative functions. <i>BMC Microbiology</i> , <b>2016</b> , 16, 251	4.5	60

56	TAP-1 indirectly regulates CD4+ T cell priming in <i>Toxoplasma gondii</i> infection by controlling NK cell IFN-gamma production. <i>Journal of Experimental Medicine</i> , <b>2007</b> , 204, 2591-602	16.6	59
55	Inflammatory monocytes expressing tissue factor drive SIV and HIV coagulopathy. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	57
54	Lysosomal Cathepsin Release Is Required for NLRP3-Inflammasome Activation by in Infected Macrophages. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1427	8.4	55
53	The IL-12 Response of Primary Human Dendritic Cells and Monocytes to <i>Toxoplasma gondii</i> Is Stimulated by Phagocytosis of Live Parasites Rather Than Host Cell Invasion. <i>Journal of Immunology</i> , <b>2016</b> , 196, 345-56	5.3	52
52	Cutting edge: in vivo induction of integrated HIV-1 expression by mycobacteria is critically dependent on Toll-like receptor 2. <i>Journal of Immunology</i> , <b>2003</b> , 171, 1123-7	5.3	51
51	Plasma heme oxygenase-1 levels distinguish latent or successfully treated human tuberculosis from active disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e62618	3.7	48
50	The Microbiome and Tuberculosis: Early Evidence for Cross Talk. <i>MBio</i> , <b>2018</b> , 9,	7.8	46
49	Transient T-bet expression functionally specifies a distinct T follicular helper subset. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 2705-2714	16.6	43
48	Adjuvant and carrier protein-dependent T-cell priming promotes a robust antibody response against the <i>Plasmodium falciparum</i> Pfs25 vaccine candidate. <i>Scientific Reports</i> , <b>2017</b> , 7, 40312	4.9	42
47	Heme Oxygenase-1 Regulation of Matrix Metalloproteinase-1 Expression Underlies Distinct Disease Profiles in Tuberculosis. <i>Journal of Immunology</i> , <b>2015</b> , 195, 2763-73	5.3	41
46	Dendritic cell activation prevents MHC class II ubiquitination and promotes MHC class II survival regardless of the activation stimulus. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 41749-54	5.4	40
45	Turning it on and off: regulation of dendritic cell function in <i>Toxoplasma gondii</i> infection. <i>Immunological Reviews</i> , <b>2004</b> , 201, 26-34	11.3	40
44	Chitosan: An Adjuvant with an Unanticipated STING. <i>Immunity</i> , <b>2016</b> , 44, 522-524	32.3	39
43	Inhibition of HIV-1 infection by a CCR5-binding cyclophilin from <i>Toxoplasma gondii</i> . <i>Blood</i> , <b>2003</b> , 102, 3280-6	2.2	38
42	Memory-phenotype CD4 T cells spontaneously generated under steady-state conditions exert innate T1-like effector function. <i>Science Immunology</i> , <b>2017</b> , 2,	28	37
41	In vivo antiviral activity of novel human immunodeficiency virus type 1 nucleocapsid p7 zinc finger inhibitors in a transgenic murine model. <i>AIDS Research and Human Retroviruses</i> , <b>2003</b> , 19, 91-101	1.6	37
40	CD4+ T cells are trigger and target of the glucocorticoid response that prevents lethal immunopathology in toxoplasma infection. <i>Journal of Experimental Medicine</i> , <b>2013</b> , 210, 1919-27	16.6	35
39	Pharmacological Inhibition of Host Heme Oxygenase-1 Suppresses Mycobacterium tuberculosis Infection In Vivo by a Mechanism Dependent on T Lymphocytes. <i>MBio</i> , <b>2016</b> , 7,	7.8	33

38	Transcriptional profiling unveils type I and II interferon networks in blood and tissues across diseases. <i>Nature Communications</i> , <b>2019</b> , 10, 2887	17.4	32
37	Innate recognition of <i>Toxoplasma gondii</i> in humans involves a mechanism distinct from that utilized by rodents. <i>Cellular and Molecular Immunology</i> , <b>2017</b> , 14, 36-42	15.4	28
36	Mouse transcriptome reveals potential signatures of protection and pathogenesis in human tuberculosis. <i>Nature Immunology</i> , <b>2020</b> , 21, 464-476	19.1	28
35	Water-in-Oil-Only Adjuvants Selectively Promote T Follicular Helper Cell Polarization through a Type I IFN and IL-6-Dependent Pathway. <i>Journal of Immunology</i> , <b>2016</b> , 197, 3884-3893	5.3	26
34	Induction of Heme Oxygenase-1 Expression Is Dependent on Oxidative Stress and Reflects Treatment Outcomes. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 542	8.4	23
33	Malaria infection induces virus expression in human immunodeficiency virus transgenic mice by CD4 T cell-dependent immune activation. <i>Journal of Infectious Diseases</i> , <b>2001</b> , 183, 1260-8	7	23
32	Cathepsin K Contributes to Cavitation and Collagen Turnover in Pulmonary Tuberculosis. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 213, 618-27	7	22
31	Structural determinants of the anti-HIV activity of a CCR5 antagonist derived from <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53635-42	5.4	22
30	The induction of Toll-like receptor tolerance enhances rather than suppresses HIV-1 gene expression in transgenic mice. <i>Journal of Leukocyte Biology</i> , <b>2004</b> , 75, 460-6	6.5	21
29	Molecular degree of perturbation of plasma inflammatory markers associated with tuberculosis reveals distinct disease profiles between Indian and Chinese populations. <i>Scientific Reports</i> , <b>2019</b> , 9, 8002	4.9	19
28	The lectin-specific activity of <i>Toxoplasma gondii</i> microneme proteins 1 and 4 binds Toll-like receptor 2 and 4 N-glycans to regulate innate immune priming. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007871	7.6	18
27	In vivo CD40-CD154 (CD40 ligand) interaction induces integrated HIV expression by APC in an HIV-1-transgenic mouse model. <i>Journal of Immunology</i> , <b>2001</b> , 166, 3210-7	5.3	18
26	A human immunodeficiency virus-transgenic mouse model for assessing interventions that block microbial-induced proviral expression. <i>Journal of Infectious Diseases</i> , <b>2001</b> , 183, 1592-600	7	17
25	PD-1 blockade exacerbates infection in rhesus macaques. <i>Science Immunology</i> , <b>2021</b> , 6,	28	17
24	Correlation between Disease Severity and the Intestinal Microbiome in Mycobacterium tuberculosis-Infected Rhesus Macaques. <i>MBio</i> , <b>2019</b> , 10,	7.8	14
23	Systemic toxoplasma infection triggers a long-term defect in the generation and function of naive T lymphocytes. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 3041-3056	16.6	13
22	Mycobacterium tuberculosis-specific CD4 T cells expressing CD153 inversely associate with bacterial load and disease severity in human tuberculosis. <i>Mucosal Immunology</i> , <b>2021</b> , 14, 491-499	9.2	11
21	Intravenous administration of BCG protects mice against lethal SARS-CoV-2 challenge. <i>Journal of Experimental Medicine</i> , <b>2022</b> , 219,	16.6	10

20	Modulation of Inflammation and Immune Responses by Heme Oxygenase-1: Implications for Infection with Intracellular Pathogens. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	10
19	Viral gene expression in HIV transgenic mice is activated by Mycobacterium tuberculosis and suppressed after antimycobacterial chemotherapy. <i>Journal of Infectious Diseases</i> , <b>2007</b> , 195, 246-54	7	9
18	Homeostatic IL-13 in healthy skin directs dendritic cell differentiation to promote T2 and inhibit T17 cell polarization. <i>Nature Immunology</i> , <b>2021</b> , 22, 1538-1550	19.1	9
17	Heme oxygenase-1 inhibition promotes IFN $\gamma$ and NOS2-mediated control of Mycobacterium tuberculosis infection. <i>Mucosal Immunology</i> , <b>2021</b> , 14, 253-266	9.2	9
16	Foreign antigen-independent memory-phenotype CD4 T cells: a new player in innate immunity?. <i>Nature Reviews Immunology</i> , <b>2018</b> , 18, 1	36.5	8
15	Patients infected with Mycobacterium africanum versus Mycobacterium tuberculosis possess distinct intestinal microbiota. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008230	4.8	7
14	Initiation and Regulation of CD4+ T-Cell Function in Host-Parasite Models (Part 1 of 2). <i>Chemical Immunology and Allergy</i> , <b>1996</b> , 63, 51-58		7
13	Persistent Oxidative Stress and Inflammasome Activation in CD14CD16 Monocytes From COVID-19 Patients.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 799558	8.4	6
12	Requirements for the differentiation of innate T-bet memory-phenotype CD4 T lymphocytes under steady state. <i>Nature Communications</i> , <b>2020</b> , 11, 3366	17.4	5
11	Dermal IRF4+ dendritic cells and monocytes license CD4+ T helper cells to distinct cytokine profiles. <i>Nature Communications</i> , <b>2020</b> , 11, 5637	17.4	4
10	Functional inactivation of pulmonary MAIT cells following 5-OP-RU treatment of non-human primates. <i>Mucosal Immunology</i> , <b>2021</b> , 14, 1055-1066	9.2	4
9	Effector and regulatory CD4+ T cell function in a murine model of Helicobacter hepaticus-induced colitis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2005</b> , 40 Suppl 1, S35-6	2.8	3
8	Enhancement of CD4 T Cell Function as a Strategy for Improving Antibiotic Therapy Efficacy in Tuberculosis: Does It Work?. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 672527	5.9	2
7	Induces in Murine Macrophages by a Pathway Involving Both TLR-2 and STING/IFNAR Signaling and Requiring Bacterial Phagocytosis.. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 862582	5.9	2
6	A Long-Acting Thermoresponsive Injectable Formulation of Tin Protoporphyrin Sustains Antitubercular Efficacy in a Murine Infection Model. <i>ACS Pharmacology and Translational Science</i> , <b>2021</b> , 4, 276-287	5.9	1
5	The skin environment controls local dendritic cell differentiation and function through innate IL-13		1
4	IFNs Reset the Differential Capacity of Human Monocyte Subsets to Produce IL-12 in Response to Microbial Stimulation. <i>Journal of Immunology</i> , <b>2021</b> , 206, 1642-1652	5.3	1
3	Comment on: Repositioning T cell polarization from single cytokines to complex help.. <i>Nature Immunology</i> , <b>2022</b> ,	19.1	1

- 2 Mild SARS-CoV-2 infection in rhesus macaques is associated with viral control prior to antigen-specific T cell responses in tissues.. *Science Immunology*, **2022**, 7, eabo0535 28 1
- 1 The Colon as a Major Site of Immunoregulation by CD4 T Cell Subsets in the Steady State. *Journal of Immunology*, **2019**, 203, 1683-1684 53 0