Daniel L Barber

List of Publications by Year
in descending order

71 papers	15,365 citations	57758 44 h-index	82547 72 g-index
79 all docs	79 docs citations	79 times ranked	18907 citing authors

#	Article	IF	Citations
1	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.	11.9	17
2	Rapid pathogen-specific recruitment of immune effector cells in the skin by secreted toxins. Nature Microbiology, 2022, 7, 62-72.	13.3	17
3	CD4 TÂcells are rapidly depleted from tuberculosis granulomas following acute SIV co-infection. Cell Reports, 2022, 39, 110896.	6.4	15
4	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.	6.0	33
5	MAIT cell-directed therapy of Mycobacterium tuberculosis infection. Mucosal Immunology, 2021, 14, 199-208.	6.0	57
6	PD-1 blockade exacerbates <i>Mycobacterium tuberculosis</i> infection in rhesus macaques. Science Immunology, 2021, 6, .	11.9	70
7	Aberrant type 1 immunity drives susceptibility to mucosal fungal infections. Science, 2021, 371, .	12.6	84
8	Safety and Immunogenicity of a 4-Component Toxoid-Based Staphylococcus aureus Vaccine in Rhesus Macaques. Frontiers in Immunology, 2021, 12, 621754.	4.8	4
9	Activating Mucosal-Associated Invariant T Cells Induces a Broad Antitumor Response. Cancer Immunology Research, 2021, 9, 1024-1034.	3.4	29
10	Functional inactivation of pulmonary MAIT cells following 5-OP-RU treatment of non-human primates. Mucosal Immunology, 2021, 14, 1055-1066.	6.0	23
11	Eosinophils are part of the granulocyte response in tuberculosis and promote host resistance in mice. Journal of Experimental Medicine, 2021, 218, .	8.5	38
12	Response to Comments on â€œAberrant type 1 immunity drives susceptibility to mucosal fungal infectionsâ€. Science, 2021, 373, eabi8835.	12.6	5
13	Migration-induced cell shattering due to DOCK8 deficiency causes a type 2â€“biased helper T cell response. Nature Immunology, 2020, 21, 1528-1539.	14.5	21
14	Disease extent and antiâ€tubercular treatment response correlates with <i>Mycobacterium tuberculosis</i>â€specific CD4 Tâ€cell phenotype regardless of HIVâ€1 status. Clinical and Translational Immunology, 2020, 9, e1176.	3.8	37
15	Small Animal Models for Human Immunodeficiency Virus (HIV), Hepatitis B, and Tuberculosis: Proceedings of an NIAID Workshop. Current HIV Research, 2020, 18, 19-28.	0.5	9
16	Correlation between Disease Severity and the Intestinal Microbiome in Mycobacterium tuberculosis-Infected Rhesus Macaques. MBio, 2019, 10, .	4.1	29
17	The Rate of CD4 T Cell Entry into the Lungs during Mycobacterium tuberculosis Infection Is Determined by Partial and Opposing Effects of Multiple Chemokine Receptors. Infection and Immunity, 2019, 87, .	2.2	28
18	Advancing Translational Science for Pulmonary Nontuberculous Mycobacterial Infections. A Road Map for Research. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 947-951.	5.6	53

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19	Tuberculosis following PD-1 blockade for cancer immunotherapy. Science Translational Medicine, 2019, 11, .	12.4	141
20	Emergence of Polyfunctional Cytotoxic CD4+ T Cells in Mycobacterium avium Immune Reconstitution Inflammatory Syndrome in Human Immunodeficiency Virus-Infected Patients. Clinical Infectious Diseases, 2018, 67, 437-446.	5.8	28
21	Defective positioning in granulomas but not lung-homing limits CD4 T-cell interactions with Mycobacterium tuberculosis-infected macrophages in rhesus macaques. Mucosal Immunology, 2018, 11, 462-473.	6.0	99
22	Limited Pulmonary Mucosal-Associated Invariant T Cell Accumulation and Activation during Mycobacterium tuberculosis Infection in Rhesus Macaques. Infection and Immunity, 2018, 86, .	2.2	34
23	Host resistance to pulmonary Mycobacterium tuberculosis infection requires CD153 expression. Nature Microbiology, 2018, 3, 1198-1205.	13.3	48
24	Rescue of exhausted CD8 T cells by PD-1â€"targeted therapies is CD28-dependent. Science, 2017, 355, 1423-1427.	12.6	753
25	The Helper T Cellâ€™s Dilemma in Tuberculosis. Cell Host and Microbe, 2017, 21, 655-656.	11.0	5
26	Lethal CD4 T Cell Responses Induced by Vaccination Against Staphylococcus aureus Bacteremia. Journal of Infectious Diseases, 2017, 215, 1231-1239.	4.0	19
27	Th1 Differentiation Drives the Accumulation of Intravascular, Non-protective CD4ÂT Cells during Tuberculosis. Cell Reports, 2017, 18, 3091-3104.	6.4	94
28	Vaccination for Mycobacterium tuberculosis infection: reprogramming CD4 T-cell homing into the lung. Mucosal Immunology, 2017, 10, 318-321.	6.0	5
29	PD-L1 up-regulation restrains Th17 cell differentiation in <i>STAT3</i> loss- and <i>STAT1</i> gain-of-function patients. Journal of Experimental Medicine, 2017, 214, 2523-2533.	8.5	55
30	CD4 T Cell-Derived IFN-Î³ Plays a Minimal Role in Control of Pulmonary Mycobacterium tuberculosis Infection and Must Be Actively Repressed by PD-1 to Prevent Lethal Disease. PLoS Pathogens, 2016, 12, e1005667.	4.7	280
31	Severe Paradoxical Reaction During Treatment of Disseminated Tuberculosis in a Patient With Neutralizing Anti-IFNÎ³ Autoantibodies. Clinical Infectious Diseases, 2016, 62, 770-773.	5.8	22
32	Type I IFN Induction via Poly-ICLC Protects Mice against Cryptococcosis. PLoS Pathogens, 2015, 11, e1005040.	4.7	28
33	Induction of Inhibitory Receptors on T Cells During<i>Plasmodium vivax</i>Malaria Impairs Cytokine Production. Journal of Infectious Diseases, 2015, 212, 1999-2010.	4.0	42
34	Vaccine-elicited CD4 T cells induce immunopathology after chronic LCMV infection. Science, 2015, 347, 278-282.	12.6	71
35	Innate and Adaptive Cellular Immune Responses to<i>Mycobacterium tuberculosis</i>Infection. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a018424.	6.2	116
36	Heme Oxygenase-1 Regulation of Matrix Metalloproteinase-1 Expression Underlies Distinct Disease Profiles in Tuberculosis. Journal of Immunology, 2015, 195, 2763-2773.	0.8	50

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37	Cutting Edge: Expression of FcÎ³RIIB Tempers Memory CD8 T Cell Function In Vivo. Journal of Immunology, 2014, 192, 35-39.	0.8	51
38	Intravascular staining for discrimination of vascular and tissue leukocytes. Nature Protocols, 2014, 9, 209-222.	12.0	612
39	Mycobacterial Antigen Driven Activation of CD14++CD16âˆ' Monocytes Is a Predictor of Tuberculosis-Associated Immune Reconstitution Inflammatory Syndrome. PLoS Pathogens, 2014, 10, e1004433.	4.7	111
40	Role of IL-6 in <i>Mycobacterium avium</i>â€"Associated Immune Reconstitution Inflammatory Syndrome. Journal of Immunology, 2014, 192, 676-682.	0.8	61
41	Orchestration of pulmonary T cell immunity during Mycobacterium tuberculosis infection: Immunity interruptus. Seminars in Immunology, 2014, 26, 559-577.	5.6	53
42	Cutting Edge: Control of <i>Mycobacterium tuberculosis</i> Infection by a Subset of Lung Parenchymaâ€"Homing CD4 T Cells. Journal of Immunology, 2014, 192, 2965-2969.	0.8	272
43	Defining features of protective CD4 T cell responses to Mycobacterium tuberculosis. Current Opinion in Immunology, 2014, 29, 137-142.	5.5	93
44	Host-directed therapy of tuberculosis based on interleukin-1 and type I interferon crosstalk. Nature, 2014, 511, 99-103.	27.8	650
45	Cord Factor and Peptidoglycan Recapitulate the Th17-Promoting Adjuvant Activity of Mycobacteria through Mincle/CARD9 Signaling and the Inflammasome. Journal of Immunology, 2013, 190, 5722-5730.	0.8	112
46	Plasma Heme Oxygenase-1 Levels Distinguish Latent or Successfully Treated Human Tuberculosis from Active Disease. PLoS ONE, 2013, 8, e62618.	2.5	58
47	Pathology in euthermic bats with white nose syndrome suggests a natural manifestation of immune reconstitution inflammatory syndrome. Virulence, 2012, 3, 583-588.	4.4	96
48	Immune reconstitution inflammatory syndrome: the trouble with immunity when you had none. Nature Reviews Microbiology, 2012, 10, 150-156.	28.6	143
49	Innate and Adaptive Interferons Suppress IL-1Î± and IL-1Î² Production by Distinct Pulmonary Myeloid Subsets during Mycobacterium tuberculosis Infection. Immunity, 2011, 35, 1023-1034.	14.3	379
50	Antigen-specific CD4 T-cell help rescues exhausted CD8 T cells during chronic viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21182-21187.	7.1	155
51	4-1BB Signaling Synergizes with Programmed Death Ligand 1 Blockade To Augment CD8 T Cell Responses during Chronic Viral Infection. Journal of Immunology, 2011, 187, 1634-1642.	0.8	83
52	CD4 T Cells Promote Rather than Control Tuberculosis in the Absence of PD-1â€"Mediated Inhibition. Journal of Immunology, 2011, 186, 1598-1607.	0.8	269
53	Killing of Targets by CD8+ T Cells in the Mouse Spleen Follows the Law of Mass Action. PLoS ONE, 2011, 6, e15959.	2.5	41
54	Dynamic T cell migration program provides resident memory within intestinal epithelium. Journal of Experimental Medicine, 2010, 207, 553-564.	8.5	514

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55	Redundant and Pathogenic Roles for IL-22 in Mycobacterial, Protozoan, and Helminth Infections. Journal of Immunology, 2010, 184, 4378-4390.	0.8	120
56	Cutting Edge: Caspase-1 Independent IL-1Î² Production Is Critical for Host Resistance to <i>Mycobacterium tuberculosis</i> and Does Not Require TLR Signaling In Vivo. Journal of Immunology, 2010, 184, 3326-3330.	0.8	435
57	Elevated frequencies of highly activated CD4+ T cells in HIV+ patients developing immune reconstitution inflammatory syndrome. Blood, 2010, 116, 3818-3827.	1.4	159
58	Th1-driven immune reconstitution disease in Mycobacterium aviumâ€"infected mice. Blood, 2010, 116, 3485-3493.	1.4	59
59	Visualizing Antigen-Specific and Infected Cells in Situ Predicts Outcomes in Early Viral Infection. Science, 2009, 323, 1726-1729.	12.6	176
60	Enhancing therapeutic vaccination by blocking PD-1â€"mediated inhibitory signals during chronic infection. Journal of Experimental Medicine, 2008, 205, 543-555.	8.5	201
61	Estimation of the rate of killing by cytotoxic T lymphocytes in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1599-1603.	7.1	68
62	Molecular Signature of CD8+ T Cell Exhaustion during Chronic Viral Infection. Immunity, 2007, 27, 670-684.	14.3	1,695
63	Molecular Signature of CD8+ T Cell Exhaustion during Chronic Viral Infection. Immunity, 2007, 27, 824.	14.3	1,193
64	Revisiting Estimates of CTL Killing Rates In Vivo. PLoS ONE, 2007, 2, e1301.	2.5	42
65	Restoring function in exhausted CD8 T cells during chronic viral infection. Nature, 2006, 439, 682-687.	27.8	3,471
66	Adaptive Tolerance and Clonal Anergy Are Distinct Biochemical States. Journal of Immunology, 2006, 176, 2279-2291.	0.8	77
67	Continuous recruitment of naive T cells contributes to heterogeneity of antiviral CD8 T cells during persistent infection. Journal of Experimental Medicine, 2006, 203, 2263-2269.	8.5	169
68	Cutting Edge: Gut Microenvironment Promotes Differentiation of a Unique Memory CD8 T Cell Population. Journal of Immunology, 2006, 176, 2079-2083.	0.8	318
69	Antigen-independent memory CD8 T cells do not develop during chronic viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16004-16009.	7.1	444
70	Cutting Edge: Rapid In Vivo Killing by Memory CD8 T Cells. Journal of Immunology, 2003, 171, 27-31.	0.8	398
71	Adaptive Tolerance of CD4+ T Cells In Vivo: Multiple Thresholds in Response to a Constant Level of Antigen Presentation. Journal of Immunology, 2001, 167, 2030-2039.	0.8	111