

Charles A Scanga

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

3,710
citations

27
h-index

56
g-index

56
ext. papers

4,265
ext. citations

8.7
avg, IF

4.77
L-index

#	Paper	IF	Citations
53	TLR9 regulates Th1 responses and cooperates with TLR2 in mediating optimal resistance to <i>Mycobacterium tuberculosis</i> . <i>Journal of Experimental Medicine</i> , 2005 , 202, 1715-24	16.6	475
52	Effects of tumor necrosis factor alpha on host immune response in chronic persistent tuberculosis: possible role for limiting pathology. <i>Infection and Immunity</i> , 2001 , 69, 1847-55	3.7	396
51	Depletion of CD4(+) T cells causes reactivation of murine persistent tuberculosis despite continued expression of interferon gamma and nitric oxide synthase 2. <i>Journal of Experimental Medicine</i> , 2000 , 192, 347-58	16.6	260
50	Prevention of tuberculosis in macaques after intravenous BCG immunization. <i>Nature</i> , 2020 , 577, 95-102	50.4	204
49	Host control of <i>Mycobacterium tuberculosis</i> is regulated by 5-lipoxygenase-dependent lipoxin production. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1601-6	15.9	175
48	Reactivation of latent tuberculosis: variations on the Cornell murine model. <i>Infection and Immunity</i> , 1999 , 67, 4531-8	3.7	172
47	Mice lacking myeloid differentiation factor 88 display profound defects in host resistance and immune responses to <i>Mycobacterium avium</i> infection not exhibited by Toll-like receptor 2 (TLR2)- and TLR4-deficient animals. <i>Journal of Immunology</i> , 2003 , 171, 4758-64	5.3	170
46	MyD88-deficient mice display a profound loss in resistance to <i>Mycobacterium tuberculosis</i> associated with partially impaired Th1 cytokine and nitric oxide synthase 2 expression. <i>Infection and Immunity</i> , 2004 , 72, 2400-4	3.7	163
45	Radiologic Responses in Cynomolgus Macaques for Assessing Tuberculosis Chemotherapy Regimens. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 4237-4244	5.9	130
44	The inducible nitric oxide synthase locus confers protection against aerogenic challenge of both clinical and laboratory strains of <i>Mycobacterium tuberculosis</i> in mice. <i>Infection and Immunity</i> , 2001 , 69, 7711-7	3.7	127
43	Novel recombinant BCG expressing perfringolysin O and the over-expression of key immunodominant antigens; pre-clinical characterization, safety and protection against challenge with <i>Mycobacterium tuberculosis</i> . <i>Vaccine</i> , 2009 , 27, 4412-23	4.1	122
42	CD8+ CTL from lungs of <i>Mycobacterium tuberculosis</i> -infected mice express perforin in vivo and lyse infected macrophages. <i>Journal of Immunology</i> , 2000 , 165, 353-63	5.3	122
41	CD40, but not CD40L, is required for the optimal priming of T cells and control of aerosol <i>M. tuberculosis</i> infection. <i>Immunity</i> , 2003 , 19, 823-35	32.3	102
40	Maintenance of pulmonary Th1 effector function in chronic tuberculosis requires persistent IL-12 production. <i>Journal of Immunology</i> , 2005 , 174, 4185-92	5.3	100
39	PET/CT imaging reveals a therapeutic response to oxazolidinones in macaques and humans with tuberculosis. <i>Science Translational Medicine</i> , 2014 , 6, 265ra167	17.5	99
38	Modeling tuberculosis in nonhuman primates. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014 , 4, a018564	56.4	86
37	Influence of coinfecting pathogens on HIV expression: evidence for a role of Toll-like receptors. <i>Journal of Immunology</i> , 2004 , 172, 7229-34	5.3	82

36	Aerosol vaccination with AERAS-402 elicits robust cellular immune responses in the lungs of rhesus macaques but fails to protect against high-dose Mycobacterium tuberculosis challenge. <i>Journal of Immunology</i> , 2014 , 193, 1799-811	5.3	74
35	rBCG induces strong antigen-specific T cell responses in rhesus macaques in a prime-boost setting with an adenovirus 35 tuberculosis vaccine vector. <i>PLoS ONE</i> , 2008 , 3, e3790	3.7	72
34	SARS-CoV-2 infection of African green monkeys results in mild respiratory disease discernible by PET/CT imaging and shedding of infectious virus from both respiratory and gastrointestinal tracts. <i>PLoS Pathogens</i> , 2020 , 16, e1008903	7.6	72
33	TLR2 synergizes with both TLR4 and TLR9 for induction of the MyD88-dependent splenic cytokine and chemokine response to Streptococcus pneumoniae. <i>Cellular Immunology</i> , 2007 , 245, 103-10	4.4	67
32	Rhesus Macaques Are More Susceptible to Progressive Tuberculosis than Cynomolgus Macaques: a Quantitative Comparison. <i>Infection and Immunity</i> , 2018 , 86,	3.7	61
31	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> , 2003 , 171, 1123-7	5.3	51
30	Analysis of 18FDG PET/CT Imaging as a Tool for Studying Mycobacterium tuberculosis Infection and Treatment in Non-human Primates. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	41
29	Positron Emission Tomography Imaging of Macaques with Tuberculosis Identifies Temporal Changes in Granuloma Glucose Metabolism and Integrin α _x -Expressing Immune Cells. <i>Journal of Immunology</i> , 2017 , 199, 806-815	5.3	35
28	Prime-boost vaccination with rBCG/rAd35 enhances CD8+ cytolytic T-cell responses in lesions from Mycobacterium tuberculosis-infected primates. <i>Molecular Medicine</i> , 2012 , 18, 647-58	6.2	34
27	Widespread Virus Replication in Alveoli Drives Acute Respiratory Distress Syndrome in Aerosolized H5N1 Influenza Infection of Macaques. <i>Journal of Immunology</i> , 2017 , 198, 1616-1626	5.3	29
26	Boosting BCG with proteins or rAd5 does not enhance protection against tuberculosis in rhesus macaques. <i>Npj Vaccines</i> , 2019 , 4, 21	9.5	27
25	A new method to evaluate macaque health using exhaled breath: A case study of in a BSL-3 setting. <i>Journal of Applied Physiology</i> , 2017 , 122, 695-701	3.7	23
24	Induction of Heme Oxygenase-1 Expression Is Dependent on Oxidative Stress and Reflects Treatment Outcomes. <i>Frontiers in Immunology</i> , 2017 , 8, 542	8.4	23
23	Identification of Mycobacterium tuberculosis using volatile biomarkers in culture and exhaled breath. <i>Journal of Breath Research</i> , 2018 , 13, 016004	3.1	14
22	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection. <i>PLoS Pathogens</i> , 2020 , 16, e1008585	7.6	12
21	SARS-CoV-2 infection of African green monkeys results in mild respiratory disease discernible by PET/CT imaging and prolonged shedding of infectious virus from both respiratory and gastrointestinal tracts		12
20	In vivo imaging in an ABSL-3 regional biocontainment laboratory. <i>Pathogens and Disease</i> , 2014 , 71, 207-12	4.2	9
19	Viral gene expression in HIV transgenic mice is activated by Mycobacterium tuberculosis and suppressed after antimycobacterial chemotherapy. <i>Journal of Infectious Diseases</i> , 2007 , 195, 246-54	7	9

18	Preexisting Simian Immunodeficiency Virus Infection Increases Susceptibility to Tuberculosis in Mauritian Cynomolgus Macaques. <i>Infection and Immunity</i> , 2018 , 86,	3.7	9
17	A tuberculosis ontology for host systems biology. <i>Tuberculosis</i> , 2015 , 95, 570-4	2.6	8
16	Lack of IL-1 Receptor-Associated Kinase-4 Leads to Defective Th1 Cell Responses and Renders Mice Susceptible to Mycobacterial Infection. <i>Journal of Immunology</i> , 2016 , 197, 1852-63	5.3	8
15	Characterization of T Cells Specific for CFP-10 and ESAT-6 in Mycobacterium tuberculosis-Infected Mauritian Cynomolgus Macaques. <i>Infection and Immunity</i> , 2017 , 85,	3.7	7
14	Multimodal profiling of lung granulomas in macaques reveals cellular correlates of tuberculosis control.. <i>Immunity</i> , 2022 ,	32.3	7
13	Pharmacokinetics of tedizolid, sutezolid, and sutezolid-M1 in non-human primates. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 151, 105421	5.1	4
12	Medical imaging of pulmonary disease in SARS-CoV-2-exposed non-human primates.. <i>Trends in Molecular Medicine</i> , 2021 ,	11.5	4
11	Multimodal profiling of lung granulomas reveals cellular correlates of tuberculosis control		4
10	Mycobacterial infections and the inflammatory seesaw. <i>Cell Host and Microbe</i> , 2010 , 7, 177-9	23.4	3
9	Pre-existing Simian Immunodeficiency Virus Infection Increases Expression of T Cell Markers Associated with Activation during Early Coinfection and Impairs TNF Responses in Granulomas. <i>Journal of Immunology</i> , 2021 ,	5.3	3
8	Retention of Cu-FLFLF, a Formyl Peptide Receptor 1-Specific PET Probe, Correlates with Macrophage and Neutrophil Abundance in Lung Granulomas from Cynomolgus Macaques. <i>ACS Infectious Diseases</i> , 2021 , 7, 2264-2276	5.5	2
7	MAIT cells are minimally responsive to Mycobacterium tuberculosis within granulomas, but are functionally impaired by SIV in a macaque model of SIV and Mtb co-infection		1
6	Evaluating the effect of clofazimine against Mycobacterium tuberculosis when given alone or in combination with pretomanid, bedaquiline or linezolid.. <i>International Journal of Antimicrobial Agents</i> , 2021 , 59, 106509	14.3	0
5	Spontaneous Control of SIV Replication Does Not Prevent T Cell Dysregulation and Bacterial Dissemination in Animals Co-Infected with M. tuberculosis.. <i>Microbiology Spectrum</i> , 2022 , e0172421	8.9	0
4	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection 2020 , 16, e1008585		
3	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection 2020 , 16, e1008585		
2	MAIT cells are functionally impaired in a Mauritian cynomolgus macaque model of SIV and Mtb co-infection 2020 , 16, e1008585		
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