Shabaana Abdul Khader

List of Publications by Citations

103 papers	7,570 citations	42 h-index	86 g-index
123 ext. papers	9,248 ext. citations	10.6 avg, IF	5.97 L-index

#	Paper	IF	Citations
103	IL-23 and IL-17 in the establishment of protective pulmonary CD4+ T cell responses after vaccination and during Mycobacterium tuberculosis challenge. *Nature Immunology*, **2007**, 8, 369-77	19.1	1076
102	The role of cytokines in the initiation, expansion, and control of cellular immunity to tuberculosis. *Immunological Reviews*, **2008**, 226, 191-204	11.3	455
101	IL-23 compensates for the absence of IL-12p70 and is essential for the IL-17 response during tuberculosis but is dispensable for protection and antigen-specific IFN-gamma responses if IL-12p70 is available. *Journal of Immunology*, **2005**, 175, 788-95	5.3	388
100	The development of inducible bronchus-associated lymphoid tissue depends on IL-17. *Nature Immunology*, **2011**, 12, 639-46	19.1	297
99	Influenza A inhibits Th17-mediated host defense against bacterial pneumonia in mice. *Journal of Immunology*, **2011**, 186, 1666-1674	5.3	254
98	Interleukin 12p40 is required for dendritic cell migration and T cell priming after Mycobacterium tuberculosis infection. *Journal of Experimental Medicine*, **2006**, 203, 1805-15	16.6	243
97	Interleukin-17 is required for T helper 1 cell immunity and host resistance to the intracellular pathogen Francisella tularensis. *Immunity*, **2009**, 31, 799-810	32.3	232
96	IL-12p40: an inherently agonistic cytokine. *Trends in Immunology*, **2007**, 28, 33-8	14.4	231
95	Cutting edge: IFN-gamma regulates the induction and expansion of IL-17-producing CD4 T cells during mycobacterial infection. *Journal of Immunology*, **2006**, 177, 1416-20	5.3	229
94	IL-23 and IL-17 in tuberculosis. *Cytokine*, **2008**, 41, 79-83	4	224
93	Unexpected role for IL-17 in protective immunity against hypervirulent Mycobacterium tuberculosis HN878 infection. *PLoS Pathogens*, **2014**, 10, e1004099	7.6	180
92	Cytokines and Chemokines in Mycobacterium tuberculosis Infection. *Microbiology Spectrum*, **2016**, 4,	8.9	162
91	CXCR5+ T helper cells mediate protective immunity against tuberculosis. *Journal of Clinical Investigation*, **2013**, 123, 712-26	15.9	153
90	S100A8/A9 proteins mediate neutrophilic inflammation and lung pathology during tuberculosis. *American Journal of Respiratory and Critical Care Medicine*, **2013**, 188, 1137-46	10.2	149
89	IL-23 is required for long-term control of Mycobacterium tuberculosis and B cell follicle formation in the infected lung. *Journal of Immunology*, **2011**, 187, 5402-7	5.3	135
88	The role of Th17 cytokines in primary mucosal immunity. *Cytokine and Growth Factor Reviews*, **2010**, 21, 443-8	17.9	131
87	Mucosal vaccination with attenuated Mycobacterium tuberculosis induces strong central memory responses and protects against tuberculosis. *Nature Communications*, **2015**, 6, 8533	17.4	130

86	IL-17 in protective immunity to intracellular pathogens. *Virulence*, **2010**, 1, 423-7	4.7	122
85	IL-27 signaling compromises control of bacterial growth in mycobacteria-infected mice. *Journal of Immunology*, **2004**, 173, 7490-6	5.3	114
84	IL-23-dependent IL-17 drives Th1-cell responses following Mycobacterium bovis BCG vaccination. *European Journal of Immunology*, **2012**, 42, 364-73	6.1	113
83	Interleukin-12 and tuberculosis: an old story revisited. *Current Opinion in Immunology*, **2007**, 19, 441-7	7.8	104
82	The DosR Regulon Modulates Adaptive Immunity and Is Essential for Mycobacterium tuberculosis Persistence. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 191, 1185-96	10.2	99
81	In vivo inhibition of tryptophan catabolism reorganizes the tuberculoma and augments immune-mediated control of. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E62-E71	11.5	99
80	Group 3 innate lymphoid cells mediate early protective immunity against tuberculosis. *Nature*, **2019** , 570, 528-532	50.4	97
79	Th17 cytokines in mucosal immunity and inflammation. *Current Opinion in HIV and AIDS*, **2010**, 5, 120-7	4.2	97
78	Responses to acute infection with SARS-CoV-2 in the lungs of rhesus macaques, baboons and marmosets. *Nature Microbiology*, **2021**, 6, 73-86	26.6	95
77	Profiling early lung immune responses in the mouse model of tuberculosis. *PLoS ONE*, **2011**, 6, e16161	3.7	92
76	In a murine tuberculosis model, the absence of homeostatic chemokines delays granuloma formation and protective immunity. *Journal of Immunology*, **2009**, 183, 8004-14	5.3	92
75	Conserved natural IgM antibodies mediate innate and adaptive immunity against the opportunistic fungus Pneumocystis murina. *Journal of Experimental Medicine*, **2010**, 207, 2907-19	16.6	89
74	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. *Nature Immunology*, **2021**, 22, 2-6	19.1	85
73	CD4+ T-cell-independent mechanisms suppress reactivation of latent tuberculosis in a macaque model of HIV coinfection. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E5636-44	11.5	84
72	Th17 cytokines and vaccine-induced immunity. *Seminars in Immunopathology*, **2010**, 32, 79-90	12	81
71	Targeting dendritic cells to accelerate T-cell activation overcomes a bottleneck in tuberculosis vaccine efficacy. *Nature Communications*, **2016**, 7, 13894	17.4	66
70	Chemokines in tuberculosis: the good, the bad and the ugly. *Seminars in Immunology*, **2014**, 26, 552-8	10.7	61
69	Helminth-induced arginase-1 exacerbates lung inflammation and disease severity in tuberculosis. *Journal of Clinical Investigation*, **2015**, 125, 4699-713	15.9	60

68	Mycobacterium tuberculosis carrying a rifampicin drug resistance mutation reprograms macrophage metabolism through cell wall lipid changes. *Nature Microbiology*, **2018**, 3, 1099-1108	26.6	51
67	Chemokines shape the immune responses to tuberculosis. *Cytokine and Growth Factor Reviews*, **2013**, 24, 105-13	17.9	50
66	LAG3 expression in active Mycobacterium tuberculosis infections. *American Journal of Pathology*, **2015**, 185, 820-33	5.8	50
65	Yin and yang of interleukin-17 in host immunity to infection. *F1000Research*, **2017**, 6, 741	3.6	50
64	Mycobacterium tuberculosis impairs dendritic cell functions through the serine hydrolase Hip1. *Journal of Immunology*, **2014**, 192, 4263-72	5.3	48
63	Targeting innate immunity for tuberculosis vaccination. *Journal of Clinical Investigation*, **2019**, 129, 3482-3491	15.9	47
62	Novel vaccine approaches for protection against intracellular pathogens. *Current Opinion in Immunology*, **2014**, 28, 58-63	7.8	42
61	Lipocalin 2 regulates inflammation during pulmonary mycobacterial infections. *PLoS ONE*, **2012**, 7, e50052	3.7	42
60	S100A8/A9 regulates CD11b expression and neutrophil recruitment during chronic tuberculosis. *Journal of Clinical Investigation*, **2020**, 130, 3098-3112	15.9	38
59	Variants in toll-like receptor 9 gene influence susceptibility to tuberculosis in a Mexican population. *Journal of Translational Medicine*, **2013**, 11, 220	8.5	35
58	Yersinia pestis evades TLR4-dependent induction of IL-12(p40)2 by dendritic cells and subsequent cell migration. *Journal of Immunology*, **2008**, 181, 5560-7	5.3	35
57	A Unique Cellular and Molecular Microenvironment Is Present in Tertiary Lymphoid Organs of Patients with Spontaneous Prostate Cancer Regression. *Frontiers in Immunology*, **2017**, 8, 563	8.4	34
56	Mycobacterium tuberculosis infection induces il12rb1 splicing to generate a novel IL-12Rbeta1 isoform that enhances DC migration. *Journal of Experimental Medicine*, **2010**, 207, 591-605	16.6	34
55	HIV-1 and SIV Infection Are Associated with Early Loss of Lung Interstitial CD4+ T Cells and Dissemination of Pulmonary Tuberculosis. *Cell Reports*, **2019**, 26, 1409-1418.e5	10.6	33
54	A novel nanoemulsion vaccine induces mucosal Interleukin-17 responses and confers protection upon Mycobacterium tuberculosis challenge in mice. *Vaccine*, **2017**, 35, 4983-4989	4.1	33
53	Pneumocystis-Driven Inducible Bronchus-Associated Lymphoid Tissue Formation Requires Th2 and Th17 Immunity. *Cell Reports*, **2017**, 18, 3078-3090	10.6	32
52	The immune landscape in tuberculosis reveals populations linked to disease and latency. *Cell Host and Microbe*, **2021**, 29, 165-178.e8	23.4	32
51	Interleukin-17 limits hypoxia-inducible factor 1α and development of hypoxic granulomas during tuberculosis. *JCI Insight*, **2017**, 2,	9.9	31

50	Computational Analysis Reveals a Key Regulator of Cryptococcal Virulence and Determinant of Host Response. *MBio*, **2016**, 7, e00313-16	7.8	31
49	Mechanisms of reactivation of latent tuberculosis infection due to SIV coinfection. *Journal of Clinical Investigation*, **2019**, 129, 5254-5260	15.9	29
48	Old vaccines for new infections: Exploiting innate immunity to control COVID-19 and prevent future pandemics. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	29
47	Friend or Foe: The Protective and Pathological Roles of Inducible Bronchus-Associated Lymphoid Tissue in Pulmonary Diseases. *Journal of Immunology*, **2019**, 202, 2519-2526	5.3	28
46	Mucosal pre-exposure to Th17-inducing adjuvants exacerbates pathology after influenza infection. *American Journal of Pathology*, **2014**, 184, 55-63	5.8	28
45	IFN signaling and neutrophil degranulation transcriptional signatures are induced during SARS-CoV-2 infection. *Communications Biology*, **2021**, 4, 290	6.7	28
44	Immune correlates of tuberculosis disease and risk translate across species. *Science Translational Medicine*, **2020**, 12,	17.5	24
43	IL-10 restrains IL-17 to limit lung pathology characteristics following pulmonary infection with Francisella tularensis live vaccine strain. *American Journal of Pathology*, **2013**, 183, 1397-1404	5.8	23
42	Rationalized design of a mucosal vaccine protects against challenge in mice. *Journal of Leukocyte Biology*, **2017**, 101, 1373-1381	6.5	21
41	SARS-CoV-2 infection leads to acute infection with dynamic cellular and inflammatory flux in the lung that varies across nonhuman primate species		21
40	A novel role for C-C motif chemokine receptor 2 during infection with hypervirulent Mycobacterium tuberculosis. *Mucosal Immunology*, **2018**, 11, 1727-1742	9.2	19
39	Immunometabolism during Mycobacterium tuberculosis Infection. *Trends in Microbiology*, **2020**, 28, 832-850	12.4	18
38	Chronic Immune Activation in TB/HIV Co-infection. *Trends in Microbiology*, **2020**, 28, 619-632	12.4	15
37	Mucosal-activated invariant T cells do not exhibit significant lung recruitment and proliferation profiles in macaques in response to infection with Mycobacterium tuberculosis CDC1551. *Tuberculosis*, **2019**, 116S, S11-S18	2.6	14
36	Antiretroviral therapy does not reduce tuberculosis reactivation in a tuberculosis-HIV coinfection model. *Journal of Clinical Investigation*, **2020**, 130, 5171-5179	15.9	14
35	Francisella tularensis LVS-induced Interleukin-12 p40 cytokine production mediates dendritic cell migration through IL-12 Receptor β1. *Cytokine*, **2011**, 55, 372-9	4	13
34	Therapies for tuberculosis and AIDS: myeloid-derived suppressor cells in focus. *Journal of Clinical Investigation*, **2020**, 130, 2789-2799	15.9	13
33	The current state of animal models and genomic approaches towards identifying and validating molecular determinants of Mycobacterium tuberculosis infection and tuberculosis disease. *Pathogens and Disease*, **2019**, 77,	4.2	12

32	The immunoregulatory landscape of human tuberculosis granulomas.. *Nature Immunology*, **2022**,	19.1	11
31	IFN signaling and neutrophil degranulation transcriptional signatures are induced during SARS-CoV-2 infection **2020**,		11
30	Nonpathologic Infection of Macaques by an Attenuated Mycobacterial Vaccine Is Not Reactivated in the Setting of HIV Co-Infection. *American Journal of Pathology*, **2017**, 187, 2811-2820	5.8	10
29	The Tale of IL-12 and IL-23: A Paradigm Shift. *Journal of Immunology*, **2019**, 202, 629-630	5.3	10
28	The protective and pathogenic roles of CXCL17 in human health and disease: Potential in respiratory medicine. *Cytokine and Growth Factor Reviews*, **2020**, 53, 53-62	17.9	8
27	Clinical and Immunological Factors That Distinguish COVID-19 From Pandemic Influenza A(H1N1). *Frontiers in Immunology*, **2021**, 12, 593595	8.4	8
26	Cytokines and Chemokines in Mycobacterium tuberculosis Infection **2017**, 33-72		7
25	Aspergillus fumigatus Preexposure Worsens Pathology and Improves Control of Mycobacterium abscessus Pulmonary Infection in Mice. *Infection and Immunity*, **2018**, 86,	3.7	6
24	Mycobacterium tuberculosis HN878 Infection Induces Human-Like B-Cell Follicles in Mice. *Journal of Infectious Diseases*, **2020**, 221, 1636-1646	7	6
23	A novel multivalent tuberculosis vaccine confers protection in a mouse model of tuberculosis. *Human Vaccines and Immunotherapeutics*, **2016**, 12, 2649-2653	4.4	5
22	Formation of Lung Inducible Bronchus Associated Lymphoid Tissue Is Regulated by Expressed Determinants. *Frontiers in Immunology*, **2020**, 11, 1325	8.4	4
21	Lung Epithelial Signaling Mediates Early Vaccine-Induced CD4 T Cell Activation and Control. *MBio*, **2021**, 12, e0146821	7.8	4
20	Longitudinal Dynamics of a Blood Transcriptomic Signature of Tuberculosis. *American Journal of Respiratory and Critical Care Medicine*, **2021**,	10.2	4
19	S100A8/A9 in COVID-19 pathogenesis: Impact on clinical outcomes. *Cytokine and Growth Factor Reviews*, **2021**,	17.9	3
18	HLA Alleles are Genetic Markers for Susceptibility and Resistance towards Leprosy in a Mexican Mestizo Population. *Annals of Human Genetics*, **2017**, 81, 35-40	2.2	2
17	RNA Interference Screening Reveals Host CaMK4 as a Regulator of Cryptococcal Uptake and Pathogenesis. *Infection and Immunity*, **2017**, 85,	3.7	2
16	Cryptococcus neoformans Evades Pulmonary Immunity by Modulating Xylose Precursor Transport. *Infection and Immunity*, **2020**, 88,	3.7	2
15	Development and Testing of a Spray-Dried Tuberculosis Vaccine Candidate in a Mouse Model.. *Frontiers in Pharmacology*, **2021**, 12, 799034	5.6	2

List of Publications

14	Myeloid cell interferon responses correlate with clearance of SARS-CoV-2.. *Nature Communications*, **2022**, 13, 679	17.4	2
13	Targeting Unconventional Host Components for Vaccination-Induced Protection Against TB. *Frontiers in Immunology*, **2020**, 11, 1452	8.4	2
12	Myeloid cell interferon responses correlate with clearance of SARS-CoV-2 **2021**,		2
11	Advances in Cardiovascular Disease Lipid Research Can Provide Novel Insights Into Mycobacterial Pathogenesis. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 116	5.9	1
10	Dancing with the Stars: Phenolic Glycolipids Partners with Macrophages. *Cell Host and Microbe*, **2017**, 22, 249-251	23.4	1
9	Induction of BALT in the absence of IL-17. *Nature Immunology*, **2012**, 13, 2-2	19.1	1
8	Antiretroviral therapy timing impacts latent tuberculosis infection reactivation in a tuberculosis/simian immunodeficiency virus coinfection model. *Journal of Clinical Investigation*, **2021**,	15.9	1
7	Rifampin resistance mutations in the rpoB gene of Enterococcus faecalis impact host macrophage cytokine production.. *Cytokine*, **2022**, 151, 155788	4	1
6	CXCL17 Is a Specific Diagnostic Biomarker for Severe Pandemic Influenza A(H1N1) That Predicts Poor Clinical Outcome. *Frontiers in Immunology*, **2021**, 12, 633297	8.4	1
5	CXCL17 Is Dispensable during Hypervirulent HN878 Infection in Mice. *ImmunoHorizons*, **2021**, 5, 752-759	2.7	1
4	Phenotype of Peripheral NK Cells in Latent, Active, and Meningeal Tuberculosis. *Journal of Immunology Research*, **2021**, 2021, 5517856	4.5	0
3	TH17 Cytokines in Primary Mucosal Immunity **2011**, 243-256		
2	IL-17 and mucosal host defense **2009**, 149-159		
1	IL-17 and Mucosal Host Defense **2013**, 207-218		