

# Shabaana Abdul Khader

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

10,396  
citations

43973

48  
h-index

35952

97  
g-index

123  
all docs

123  
docs citations

123  
times ranked

11928  
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-23 and IL-17 in the establishment of protective pulmonary CD4+ T cell responses after vaccination and during Mycobacterium tuberculosis challenge. <i>Nature Immunology</i> , 2007, 8, 369-377.	7.0	1,253
2	The role of cytokines in the initiation, expansion, and control of cellular immunity to tuberculosis. <i>Immunological Reviews</i> , 2008, 226, 191-204.	2.8	549
3	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. <i>Journal of Immunology</i> , 2005, 175, 788-795.	0.4	422
4	The development of inducible bronchus-associated lymphoid tissue depends on IL-17. <i>Nature Immunology</i> , 2011, 12, 639-646.	7.0	359
5	Influenza A Inhibits Th17-Mediated Host Defense against Bacterial Pneumonia in Mice. <i>Journal of Immunology</i> , 2011, 186, 1666-1674.	0.4	312
6	Cytokines and Chemokines in Mycobacterium tuberculosis Infection. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	309
7	IL-12p40: an inherently agonistic cytokine. <i>Trends in Immunology</i> , 2007, 28, 33-38.	2.9	281
8	Interleukin 12p40 is required for dendritic cell migration and T cell priming after Mycobacterium tuberculosis infection. <i>Journal of Experimental Medicine</i> , 2006, 203, 1805-1815.	4.2	276
9	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. <i>Nature Immunology</i> , 2021, 22, 2-6.	7.0	274
10	IL-23 and IL-17 in tuberculosis. <i>Cytokine</i> , 2008, 41, 79-83.	1.4	255
11	Interleukin-17 Is Required for T Helper 1 Cell Immunity and Host Resistance to the Intracellular Pathogen Francisella tularensis. <i>Immunity</i> , 2009, 31, 799-810.	6.6	255
12	Cutting Edge: IFN- $\gamma$ Regulates the Induction and Expansion of IL-17-Producing CD4 T Cells during Mycobacterial Infection. <i>Journal of Immunology</i> , 2006, 177, 1416-1420.	0.4	249
13	Unexpected Role for IL-17 in Protective Immunity against Hypervirulent Mycobacterium tuberculosis HN878 Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004099.	2.1	222
14	S100A8/A9 Proteins Mediate Neutrophilic Inflammation and Lung Pathology during Tuberculosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 1137-1146.	2.5	216
15	CXCR5+ T helper cells mediate protective immunity against tuberculosis. <i>Journal of Clinical Investigation</i> , 2013, 123, 712-26.	3.9	203
16	Mucosal vaccination with attenuated Mycobacterium tuberculosis induces strong central memory responses and protects against tuberculosis. <i>Nature Communications</i> , 2015, 6, 8533.	5.8	196
17	IL-23 Is Required for Long-Term Control of Mycobacterium tuberculosis and B Cell Follicle Formation in the Infected Lung. <i>Journal of Immunology</i> , 2011, 187, 5402-5407.	0.4	172
18	Responses to acute infection with SARS-CoV-2 in the lungs of rhesus macaques, baboons and marmosets. <i>Nature Microbiology</i> , 2021, 6, 73-86.	5.9	156

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19	The role of Th17 cytokines in primary mucosal immunity. <i>Cytokine and Growth Factor Reviews</i> , 2010, 21, 443-448.	3.2	154
20	Group 3 innate lymphoid cells mediate early protective immunity against tuberculosis. <i>Nature</i> , 2019, 570, 528-532.	13.7	153
21	In vivo inhibition of tryptophan catabolism reorganizes the tuberculoma and augments immune-mediated control of <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E62-E71.	3.3	150
22	IL-23-dependent IL-17 drives Th1 cell responses following <i>Mycobacterium bovis</i> BCG vaccination. <i>European Journal of Immunology</i> , 2012, 42, 364-373.	1.6	142
23	The DosR Regulon Modulates Adaptive Immunity and Is Essential for <i>Mycobacterium tuberculosis</i> Persistence. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 1185-1196.	2.5	142
24	IL-17 in protective immunity to intracellular pathogens. <i>Virulence</i> , 2010, 1, 423-427.	1.8	141
25	IL-27 Signaling Compromises Control of Bacterial Growth in Mycobacteria-Infected Mice. <i>Journal of Immunology</i> , 2004, 173, 7490-7496.	0.4	129
26	Interleukin-12 and tuberculosis: an old story revisited. <i>Current Opinion in Immunology</i> , 2007, 19, 441-447.	2.4	123
27	CD4 <sup>+</sup> T-cell-independent mechanisms suppress reactivation of latent tuberculosis in a macaque model of HIV coinfection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5636-44.	3.3	123
28	Th17 cytokines in mucosal immunity and inflammation. <i>Current Opinion in HIV and AIDS</i> , 2010, 5, 120-127.	1.5	122
29	In a Murine Tuberculosis Model, the Absence of Homeostatic Chemokines Delays Granuloma Formation and Protective Immunity. <i>Journal of Immunology</i> , 2009, 183, 8004-8014.	0.4	119
30	Profiling Early Lung Immune Responses in the Mouse Model of Tuberculosis. <i>PLoS ONE</i> , 2011, 6, e16161.	1.1	111
31	The immunoregulatory landscape of human tuberculosis granulomas. <i>Nature Immunology</i> , 2022, 23, 318-329.	7.0	110
32	Conserved natural IgM antibodies mediate innate and adaptive immunity against the opportunistic fungus <i>Pneumocystis murina</i> . <i>Journal of Experimental Medicine</i> , 2010, 207, 2907-2919.	4.2	109
33	Th17 cytokines and vaccine-induced immunity. <i>Seminars in Immunopathology</i> , 2010, 32, 79-90.	2.8	102
34	Targeting dendritic cells to accelerate T-cell activation overcomes a bottleneck in tuberculosis vaccine efficacy. <i>Nature Communications</i> , 2016, 7, 13894.	5.8	100
35	The immune landscape in tuberculosis reveals populations linked to disease and latency. <i>Cell Host and Microbe</i> , 2021, 29, 165-178.e8.	5.1	98
36	Targeting innate immunity for tuberculosis vaccination. <i>Journal of Clinical Investigation</i> , 2019, 129, 3482-3491.	3.9	95

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37	Chemokines in tuberculosis: The good, the bad and the ugly. <i>Seminars in Immunology</i> , 2014, 26, 552-558.	2.7	94
38	<i>Mycobacterium tuberculosis</i> carrying a rifampicin drug resistance mutation reprograms macrophage metabolism through cell wall lipid changes. <i>Nature Microbiology</i> , 2018, 3, 1099-1108.	5.9	90
39	Helminth-induced arginase-1 exacerbates lung inflammation and disease severity in tuberculosis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4699-4713.	3.9	87
40	S100A8/A9 regulates CD11b expression and neutrophil recruitment during chronic tuberculosis. <i>Journal of Clinical Investigation</i> , 2020, 130, 3098-3112.	3.9	85
41	IFN signaling and neutrophil degranulation transcriptional signatures are induced during SARS-CoV-2 infection. <i>Communications Biology</i> , 2021, 4, 290.	2.0	74
42	LAG3 Expression in Active <i>Mycobacterium tuberculosis</i> Infections. <i>American Journal of Pathology</i> , 2015, 185, 820-833.	1.9	70
43	Chemokines shape the immune responses to tuberculosis. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 105-113.	3.2	69
44	Old vaccines for new infections: Exploiting innate immunity to control COVID-19 and prevent future pandemics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	69
45	Yin and yang of interleukin-17 in host immunity to infection. <i>F1000Research</i> , 2017, 6, 741.	0.8	65
46	<i>Mycobacterium tuberculosis</i> Impairs Dendritic Cell Functions through the Serine Hydrolase Hip1. <i>Journal of Immunology</i> , 2014, 192, 4263-4272.	0.4	64
47	Lipocalin 2 Regulates Inflammation during Pulmonary <i>Mycobacterial</i> Infections. <i>PLoS ONE</i> , 2012, 7, e50052.	1.1	59
48	Pneumocystis -Driven Inducible Bronchus-Associated Lymphoid Tissue Formation Requires Th2 and Th17 Immunity. <i>Cell Reports</i> , 2017, 18, 3078-3090.	2.9	57
49	HIV-1 and SIV Infection Are Associated with Early Loss of Lung Interstitial CD4+ T Cells and Dissemination of Pulmonary Tuberculosis. <i>Cell Reports</i> , 2019, 26, 1409-1418.e5.	2.9	54
50	Immune correlates of tuberculosis disease and risk translate across species. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	52
51	Mechanisms of reactivation of latent tuberculosis infection due to SIV coinfection. <i>Journal of Clinical Investigation</i> , 2019, 129, 5254-5260.	3.9	52
52	A Unique Cellular and Molecular Microenvironment Is Present in Tertiary Lymphoid Organs of Patients with Spontaneous Prostate Cancer Regression. <i>Frontiers in Immunology</i> , 2017, 8, 563.	2.2	51
53	Friend or Foe: The Protective and Pathological Roles of Inducible Bronchus-Associated Lymphoid Tissue in Pulmonary Diseases. <i>Journal of Immunology</i> , 2019, 202, 2519-2526.	0.4	51
54	Novel vaccine approaches for protection against intracellular pathogens. <i>Current Opinion in Immunology</i> , 2014, 28, 58-63.	2.4	47

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55	A novel nanoemulsion vaccine induces mucosal Interleukin-17 responses and confers protection upon Mycobacterium tuberculosis challenge in mice. <i>Vaccine</i> , 2017, 35, 4983-4989.	1.7	45
56	Interleukin-17 limits hypoxia-inducible factor 1 $\alpha$ and development of hypoxic granulomas during tuberculosis. <i>JCI Insight</i> , 2017, 2, .	2.3	45
57	<i>Mycobacterium tuberculosis</i> infection induces <i>IL12rb1</i> splicing to generate a novel IL-12R $\beta$ 1 isoform that enhances DC migration. <i>Journal of Experimental Medicine</i> , 2010, 207, 591-605.	4.2	44
58	Computational Analysis Reveals a Key Regulator of Cryptococcal Virulence and Determinant of Host Response. <i>MBio</i> , 2016, 7, e00313-16.	1.8	43
59	A novel role for C $\alpha$ motif chemokine receptor 2 during infection with hypervirulent Mycobacterium tuberculosis. <i>Mucosal Immunology</i> , 2018, 11, 1727-1742.	2.7	43
60	Variants in toll-like receptor 9 gene influence susceptibility to tuberculosis in a Mexican population. <i>Journal of Translational Medicine</i> , 2013, 11, 220.	1.8	40
61	S100A8/A9 in COVID-19 pathogenesis: Impact on clinical outcomes. <i>Cytokine and Growth Factor Reviews</i> , 2022, 63, 90-97.	3.2	39
62	Immunometabolism during Mycobacterium tuberculosis Infection. <i>Trends in Microbiology</i> , 2020, 28, 832-850.	3.5	38
63	<i>Yersinia pestis</i> Evades TLR4-dependent Induction of IL-12(p40) $\beta$ by Dendritic Cells and Subsequent Cell Migration. <i>Journal of Immunology</i> , 2008, 181, 5560-5567.	0.4	37
64	Mucosal Pre-Exposure to Th17-Inducing Adjuvants Exacerbates Pathology after Influenza Infection. <i>American Journal of Pathology</i> , 2014, 184, 55-63.	1.9	34
65	The protective and pathogenic roles of CXCL17 in human health and disease: Potential in respiratory medicine. <i>Cytokine and Growth Factor Reviews</i> , 2020, 53, 53-62.	3.2	34
66	Chronic Immune Activation in TB/HIV Co-infection. <i>Trends in Microbiology</i> , 2020, 28, 619-632.	3.5	33
67	The current state of animal models and genomic approaches towards identifying and validating molecular determinants of <i>Mycobacterium tuberculosis</i> infection and tuberculosis disease. <i>Pathogens and Disease</i> , 2019, 77, .	0.8	32
68	Clinical and Immunological Factors That Distinguish COVID-19 From Pandemic Influenza A(H1N1). <i>Frontiers in Immunology</i> , 2021, 12, 593595.	2.2	32
69	Antiretroviral therapy does not reduce tuberculosis reactivation in a tuberculosis-HIV coinfection model. <i>Journal of Clinical Investigation</i> , 2020, 130, 5171-5179.	3.9	31
70	Myeloid cell interferon responses correlate with clearance of SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, 679.	5.8	30
71	IL-10 Restrains IL-17 to Limit Lung Pathology Characteristics following Pulmonary Infection with Francisella tularensis Live Vaccine Strain. <i>American Journal of Pathology</i> , 2013, 183, 1397-1404.	1.9	26
72	Therapies for tuberculosis and AIDS: myeloid-derived suppressor cells in focus. <i>Journal of Clinical Investigation</i> , 2020, 130, 2789-2799.	3.9	26

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73	Rationalized design of a mucosal vaccine protects against <i>Mycobacterium tuberculosis</i> challenge in mice. <i>Journal of Leukocyte Biology</i> , 2017, 101, 1373-1381.	1.5	25
74	The Tale of IL-12 and IL-23: A Paradigm Shift. <i>Journal of Immunology</i> , 2019, 202, 629-630.	0.4	20
75	<i>Mycobacterium tuberculosis</i> infection drives a type I IFN signature in lung lymphocytes. <i>Cell Reports</i> , 2022, 39, 110983.	2.9	20
76	Mucosal-activated invariant T cells do not exhibit significant lung recruitment and proliferation profiles in macaques in response to infection with <i>Mycobacterium tuberculosis</i> CDC1551. <i>Tuberculosis</i> , 2019, 116, S11-S18.	0.8	17
77	<i>Mycobacterium tuberculosis</i> HN878 Infection Induces Human-Like B-Cell Follicles in Mice. <i>Journal of Infectious Diseases</i> , 2020, 221, 1636-1646.	1.9	15
78	Longitudinal Dynamics of a Blood Transcriptomic Signature of Tuberculosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1463-1472.	2.5	15
79	<i>Francisella tularensis</i> LVS-induced Interleukin-12 p40 cytokine production mediates dendritic cell migration through IL-12 Receptor $\beta$ 2. <i>Cytokine</i> , 2011, 55, 372-379.	1.4	13
80	Vaccines against tuberculosis: moving forward with new concepts. <i>Expert Review of Vaccines</i> , 2013, 12, 829-831.	2.0	13
81	Nonpathogenic Infection of Macaques by an Attenuated Mycobacterial Vaccine Is Not Reactivated in the Setting of HIV Co-Infection. <i>American Journal of Pathology</i> , 2017, 187, 2811-2820.	1.9	12
82	Formation of Lung Inducible Bronchus Associated Lymphoid Tissue Is Regulated by <i>Mycobacterium tuberculosis</i> Expressed Determinants. <i>Frontiers in Immunology</i> , 2020, 11, 1325.	2.2	11
83	Lung Epithelial Signaling Mediates Early Vaccine-Induced CD4 <sup>+</sup> T Cell Activation and <i>Mycobacterium tuberculosis</i> Control. <i>MBio</i> , 2021, 12, e0146821.	1.8	11
84	Restraining IL-17: Del-1 deals the blow. <i>Nature Immunology</i> , 2012, 13, 433-435.	7.0	10
85	A novel multivalent tuberculosis vaccine confers protection in a mouse model of tuberculosis. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 2649-2653.	1.4	10
86	Cytokines and Chemokines in <i>Mycobacterium tuberculosis</i> Infection. , 2017, , 33-72.		10
87	<i>Aspergillus fumigatus</i> Preexposure Worsens Pathology and Improves Control of <i>Mycobacterium abscessus</i> Pulmonary Infection in Mice. <i>Infection and Immunity</i> , 2018, 86, .	1.0	10
88	CXCL17 Is a Specific Diagnostic Biomarker for Severe Pandemic Influenza A(H1N1) That Predicts Poor Clinical Outcome. <i>Frontiers in Immunology</i> , 2021, 12, 633297.	2.2	9
89	Antiretroviral therapy timing impacts latent tuberculosis infection reactivation in a <i>Mycobacterium tuberculosis</i> /SIV coinfection model. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	9
90	Bringing in the Cavalry: IL-26 Mediates Neutrophil Recruitment to the Lungs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1079-1080.	2.5	8

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91	Response to Hypoxia and the Ensuing Dysregulation of Inflammation Impacts <i>Mycobacterium tuberculosis</i> Pathogenicity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	2.5	8
92	<i>Cryptococcus neoformans</i> Evades Pulmonary Immunity by Modulating Xylose Precursor Transport. <i>Infection and Immunity</i> , 2020, 88, .	1.0	7
93	B Cells Produce CXCL13 in Lymphoid Neogenesis during Chronic Obstructive Pulmonary Disease. The New Kid on the Block?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 1162-1164.	2.5	6
94	Advances in Cardiovascular Disease Lipid Research Can Provide Novel Insights Into Mycobacterial Pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 116.	1.8	6
95	Targeting Unconventional Host Components for Vaccination-Induced Protection Against TB. <i>Frontiers in Immunology</i> , 2020, 11, 1452.	2.2	6
96	Development and Testing of a Spray-Dried Tuberculosis Vaccine Candidate in a Mouse Model. <i>Frontiers in Pharmacology</i> , 2021, 12, 799034.	1.6	6
97	CXCL17 Is Dispensable during Hypervirulent <i>Mycobacterium tuberculosis</i> HN878 Infection in Mice. <i>ImmunoHorizons</i> , 2021, 5, 752-759.	0.8	5
98	HLA Alleles are Genetic Markers for Susceptibility and Resistance towards Leprosy in a Mexican Mestizo Population. <i>Annals of Human Genetics</i> , 2017, 81, 35-40.	0.3	4
99	Phenotype of Peripheral NK Cells in Latent, Active, and Meningeal Tuberculosis. <i>Journal of Immunology Research</i> , 2021, 2021, 1-14.	0.9	4
100	RNA Interference Screening Reveals Host CaMK4 as a Regulator of Cryptococcal Uptake and Pathogenesis. <i>Infection and Immunity</i> , 2017, 85, .	1.0	3
101	Rifampin resistance mutations in the <i>rpoB</i> gene of <i>Enterococcus faecalis</i> impact host macrophage cytokine production. <i>Cytokine</i> , 2022, 151, 155788.	1.4	3
102	Advancing Lung Immunology Research: An Official American Thoracic Society Workshop Report. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 67, e1-18.	1.4	3
103	Induction of BALT in the absence of IL-17. <i>Nature Immunology</i> , 2012, 13, 2-2.	7.0	2
104	Dancing with the Stars: Phenolic Glycolipids Partners with Macrophages. <i>Cell Host and Microbe</i> , 2017, 22, 249-251.	5.1	1
105	Inflammatory comorbidities: to train or not to train?. <i>Trends in Immunology</i> , 2022, 43, 420-422.	2.9	1
106	TH17 Cytokines in Primary Mucosal Immunity. , 2011, , 243-256.		0
107	Editorial overview: Vaccines: Vaccines for infectious diseases: are we there yet?. <i>Current Opinion in Immunology</i> , 2014, 28, ix-x.	2.4	0
108	IL-17 and mucosal host defense. , 2009, , 149-159.		0

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109	IL-17 and Mucosal Host Defense. , 2013, , 207-218.		0