

W Henry Boom

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.

67
papers

4,403
citations

36
h-index

66
g-index

70
ext. papers

5,440
ext. citations

9.4
avg, IF

5.04
L-index

#	Paper	IF	Citations
67	A blood RNA signature for tuberculosis disease risk: a prospective cohort study. <i>Lancet, The</i> , 2016 , 387, 2312-2322	40	477
66	Toll-like receptor 2-dependent inhibition of macrophage class II MHC expression and antigen processing by 19-kDa lipoprotein of <i>Mycobacterium tuberculosis</i> . <i>Journal of Immunology</i> , 2001 , 167, 910-8	5.3	359
65	Regulation of antigen presentation by <i>Mycobacterium tuberculosis</i> : a role for Toll-like receptors. <i>Nature Reviews Microbiology</i> , 2010 , 8, 296-307	22.2	275
64	<i>Mycobacterium tuberculosis</i> lineage 4 comprises globally distributed and geographically restricted sublineages. <i>Nature Genetics</i> , 2016 , 48, 1535-1543	36.3	208
63	Inhibition of IFN-gamma-induced class II transactivator expression by a 19-kDa lipoprotein from <i>Mycobacterium tuberculosis</i> : a potential mechanism for immune evasion. <i>Journal of Immunology</i> , 2003 , 171, 175-84	5.3	202
62	<i>Mycobacterium tuberculosis</i> LprG (Rv1411c): a novel TLR-2 ligand that inhibits human macrophage class II MHC antigen processing. <i>Journal of Immunology</i> , 2004 , 173, 2660-8	5.3	200
61	<i>Mycobacterium tuberculosis</i> 19-kDa lipoprotein inhibits IFN-gamma-induced chromatin remodeling of MHC2TA by TLR2 and MAPK signaling. <i>Journal of Immunology</i> , 2006 , 176, 4323-30	5.3	173
60	<i>Mycobacterium tuberculosis</i> LprA is a lipoprotein agonist of TLR2 that regulates innate immunity and APC function. <i>Journal of Immunology</i> , 2006 , 177, 422-9	5.3	166
59	Prolonged toll-like receptor signaling by <i>Mycobacterium tuberculosis</i> and its 19-kilodalton lipoprotein inhibits gamma interferon-induced regulation of selected genes in macrophages. <i>Infection and Immunity</i> , 2004 , 72, 6603-14	3.7	137
58	Four-Gene Pan-African Blood Signature Predicts Progression to Tuberculosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1198-1208	10.2	125
57	TLR2 and its co-receptors determine responses of macrophages and dendritic cells to lipoproteins of <i>Mycobacterium tuberculosis</i> . <i>Cellular Immunology</i> , 2009 , 258, 29-37	4.4	120
56	Sequential inflammatory processes define human progression from <i>M. tuberculosis</i> infection to tuberculosis disease. <i>PLoS Pathogens</i> , 2017 , 13, e1006687	7.6	119
55	Immunological mechanisms of human resistance to persistent <i>Mycobacterium tuberculosis</i> infection. <i>Nature Reviews Immunology</i> , 2018 , 18, 575-589	36.5	118
54	Processing of <i>Mycobacterium tuberculosis</i> antigen 85B involves intraphagosomal formation of peptide-major histocompatibility complex II complexes and is inhibited by live bacilli that decrease phagosome maturation. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1421-32	16.6	105
53	IFN- γ -Independent immune markers of <i>Mycobacterium tuberculosis</i> exposure. <i>Nature Medicine</i> , 2019 , 25, 977-987	50.5	104
52	<i>Mycobacterium tuberculosis</i> lipoprotein LprG (Rv1411c) binds triacylated glycolipid agonists of Toll-like receptor 2. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 1088-95	17.6	93
51	Inhibition of major histocompatibility complex II expression and antigen processing in murine alveolar macrophages by <i>Mycobacterium bovis</i> BCG and the 19-kilodalton mycobacterial lipoprotein. <i>Infection and Immunity</i> , 2004 , 72, 2101-10	3.7	88

50	Longitudinal changes in CD4(+) T-cell memory responses induced by BCG vaccination of newborns. <i>Journal of Infectious Diseases</i> , 2013 , 207, 1084-94	7	87
49	Bacillus Calmette-Guérin (BCG) Revaccination of Adults with Latent Mycobacterium tuberculosis Infection Induces Long-Lived BCG-Reactive NK Cell Responses. <i>Journal of Immunology</i> , 2016 , 197, 1100-1110	5.3	86
48	Mycobacterium tuberculosis synergizes with ATP to induce release of microvesicles and exosomes containing major histocompatibility complex class II molecules capable of antigen presentation. <i>Infection and Immunity</i> , 2010 , 78, 5116-25	3.7	85
47	Bacterial Membrane Vesicles Mediate the Release of Mycobacterium tuberculosis Lipoglycans and Lipoproteins from Infected Macrophages. <i>Journal of Immunology</i> , 2015 , 195, 1044-53	5.3	75
46	Toll-like receptor 2-dependent extracellular signal-regulated kinase signaling in Mycobacterium tuberculosis-infected macrophages drives anti-inflammatory responses and inhibits Th1 polarization of responding T cells. <i>Infection and Immunity</i> , 2015 , 83, 2242-54	3.7	69
45	Bacterial Factors That Predict Relapse after Tuberculosis Therapy. <i>New England Journal of Medicine</i> , 2018 , 379, 823-833	59.2	66
44	Mycobacterium tuberculosis lipoproteins directly regulate human memory CD4(+) T cell activation via Toll-like receptors 1 and 2. <i>Infection and Immunity</i> , 2011 , 79, 663-73	3.7	56
43	CCAAT/enhancer-binding protein beta and delta binding to CIITA promoters is associated with the inhibition of CIITA expression in response to Mycobacterium tuberculosis 19-kDa lipoprotein. <i>Journal of Immunology</i> , 2007 , 179, 6910-8	5.3	53
42	Mycobacterium bovis BCG decreases MHC-II expression in vivo on murine lung macrophages and dendritic cells during aerosol infection. <i>Cellular Immunology</i> , 2009 , 254, 94-104	4.4	48
41	Phagocytic antigen processing and effects of microbial products on antigen processing and T-cell responses. <i>Immunological Reviews</i> , 1999 , 168, 217-39	11.3	46
40	Regulation of mammalian siderophore 2,5-DHBA in the innate immune response to infection. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1197-213	16.6	43
39	Mycobacterium tuberculosis ManLAM inhibits T-cell-receptor signaling by interference with ZAP-70, Lck and LAT phosphorylation. <i>Cellular Immunology</i> , 2012 , 275, 98-105	4.4	43
38	Analysis of host responses to Mycobacterium tuberculosis antigens in a multi-site study of subjects with different TB and HIV infection states in sub-Saharan Africa. <i>PLoS ONE</i> , 2013 , 8, e74080	3.7	42
37	Membrane Vesicles Inhibit T Cell Activation. <i>Journal of Immunology</i> , 2017 , 198, 2028-2037	5.3	41
36	Resistance and Susceptibility to Mycobacterium tuberculosis Infection and Disease in Tuberculosis Households in Kampala, Uganda. <i>American Journal of Epidemiology</i> , 2018 , 187, 1477-1489	3.8	41
35	Polymorphisms in TICAM2 and IL1B are associated with TB. <i>Genes and Immunity</i> , 2015 , 16, 127-133	4.4	41
34	Mycobacterium tuberculosis cell wall glycolipids directly inhibit CD4+ T-cell activation by interfering with proximal T-cell-receptor signaling. <i>Infection and Immunity</i> , 2009 , 77, 4574-83	3.7	39
33	Transcriptional networks are associated with resistance to Mycobacterium tuberculosis infection. <i>PLoS ONE</i> , 2017 , 12, e0175844	3.7	38

32	MR1-Independent Activation of Human Mucosal-Associated Invariant T Cells by Mycobacteria. <i>Journal of Immunology</i> , 2019 , 203, 2917-2927	5.3	37
31	Effect of isoniazid therapy for latent TB infection on QuantiFERON-TB gold in-tube responses in adults with positive tuberculin skin test results in a high TB incidence area: a controlled study. <i>Chest</i> , 2014 , 145, 612-7	5.3	30
30	Safety and reactogenicity of BCG revaccination with isoniazid pretreatment in TST positive adults. <i>Vaccine</i> , 2014 , 32, 3982-8	4.1	28
29	A side-by-side comparison of T cell reactivity to fifty-nine Mycobacterium tuberculosis antigens in diverse populations from five continents. <i>Tuberculosis</i> , 2015 , 95, 713-721	2.6	27
28	Mannose-Capped Lipoarabinomannan from Mycobacterium tuberculosis Induces CD4+ T Cell Energy via GRAIL. <i>Journal of Immunology</i> , 2016 , 196, 691-702	5.3	27
27	Toll like Receptor 2 engagement on CD4 T cells promotes TH9 differentiation and function. <i>European Journal of Immunology</i> , 2017 , 47, 1513-1524	6.1	22
26	Long-term Stability of Resistance to Latent Mycobacterium tuberculosis Infection in Highly Exposed Tuberculosis Household Contacts in Kampala, Uganda. <i>Clinical Infectious Diseases</i> , 2019 , 68, 1705-1712	11.6	19
25	Early Bactericidal Activity of AZD5847 in Patients with Pulmonary Tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 6591-6599	5.9	15
24	Interaction between host genes and Mycobacterium tuberculosis lineage can affect tuberculosis severity: Evidence for coevolution?. <i>PLoS Genetics</i> , 2020 , 16, e1008728	6	14
23	Effectiveness of WHO's pragmatic screening algorithm for child contacts of tuberculosis cases in resource-constrained settings: a prospective cohort study in Uganda. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 276-286	35.1	13
22	The knowns and unknowns of latent Mycobacterium tuberculosis infection. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	12
21	Activity of nitazoxanide and tizoxanide against Mycobacterium tuberculosis in vitro and in whole blood culture. <i>Tuberculosis</i> , 2016 , 98, 92-6	2.6	11
20	Proteomic and bioinformatics profile of paired human alveolar macrophages and peripheral blood monocytes. <i>Proteomics</i> , 2015 , 15, 3797-805	4.8	11
19	Tuberculin skin test reversion following isoniazid preventive therapy reflects diversity of immune response to primary Mycobacterium tuberculosis infection. <i>PLoS ONE</i> , 2014 , 9, e96613	3.7	10
18	Proteomics and Network Analyses Reveal Inhibition of Akt-mTOR Signaling in CD4 T Cells by Mycobacterium tuberculosis Mannose-Capped Lipoarabinomannan. <i>Proteomics</i> , 2017 , 17, 1700233	4.8	8
17	Insights into the l,d-Transpeptidases and d,d-Carboxypeptidase of Mycobacterium abscessus: Ceftaroline, Imipenem, and Novel Diazabicyclooctane Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	8
16	Comparison of MGIT and Myco/F lytic liquid-based blood culture systems for recovery of Mycobacterium tuberculosis from pleural fluid. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 1391-4	9.7	7
15	Incubation time of Mycobacterium tuberculosis complex sputum cultures in BACTEC MGIT 960: 4weeks of negative culture is enough for physicians to consider alternative diagnoses. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015 , 83, 162-4	2.9	6

14	Elucidation of a Human Urine Metabolite as a Seryl-Leucine Glycopeptide and as a Biomarker of Effective Anti-Tuberculosis Therapy. <i>ACS Infectious Diseases</i> , 2019 , 5, 353-364	5.5	5
13	Genetic variability and consequence of Mycobacterium tuberculosis lineage 3 in Kampala-Uganda. <i>PLoS ONE</i> , 2019 , 14, e0221644	3.7	4
12	How we determined the most reliable solid medium for studying treatment of tuberculosis. <i>Tuberculosis</i> , 2014 , 94, 317-22	2.6	4
11	A single-nucleotide-polymorphism real-time PCR assay for genotyping of Mycobacterium tuberculosis complex in peri-urban Kampala. <i>BMC Infectious Diseases</i> , 2015 , 15, 396	4	3
10	Importance of Study Design and Phenotype Definition in Ongoing Studies of Resistance to Latent Mycobacterium tuberculosis Infection. <i>Journal of Infectious Diseases</i> , 2020 , 221, 1025-1026	7	3
9	"One-Two Punch": Synergistic β -Lactam Combinations for Mycobacterium abscessus and Target Redundancy in the Inhibition of Peptidoglycan Synthesis Enzymes. <i>Clinical Infectious Diseases</i> , 2021 , 73, 1532-1536	11.6	3
8	Inhibiting Mycobacterium abscessus Cell Wall Synthesis: Using a Novel Diazabicyclooctane β -Lactamase Inhibitor To Augment β -Lactam Action.. <i>MBio</i> , 2022 , e0352921	7.8	2
7	The Pup-Proteasome System Protects Mycobacteria from Antimicrobial Antifolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	2
6	Effects of BCG vaccination on donor unrestricted T cells in two prospective cohort studies.. <i>EBioMedicine</i> , 2022 , 76, 103839	8.8	1
5	HDAC3 inhibitor RGFP966 controls bacterial growth and modulates macrophage signaling during Mycobacterium tuberculosis infection. <i>Tuberculosis</i> , 2021 , 127, 102062	2.6	1
4	Effects of BCG vaccination on donor unrestricted T cells in humans		1
3	Monocyte metabolic transcriptional programs associate with resistance to tuberculin skin test/interferon- γ release assay conversion. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	1
2	Resistance to TST/IGRA conversion in Uganda: Heritability and Genome-Wide Association Study. <i>EBioMedicine</i> , 2021 , 74, 103727	8.8	0
1	Methylome-wide Analysis Reveals Epigenetic Marks Associated With Resistance to Tuberculosis in Human Immunodeficiency Virus-Infected Individuals From East Africa. <i>Journal of Infectious Diseases</i> , 2021 , 224, 695-704	7	