

# Tom H M Ottenhoff

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8955456/tom-h-m-ottenhoff-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

307 papers	18,361 citations	74 h-index	124 g-index
329 ext. papers	21,359 ext. citations	8 avg, IF	6.5 L-index

#	Paper	IF	Citations
307	Severe mycobacterial and Salmonella infections in interleukin-12 receptor-deficient patients. <i>Science</i> , <b>1998</b> , 280, 1435-8	33.3	714
306	Human IL-23-producing type 1 macrophages promote but IL-10-producing type 2 macrophages subvert immunity to (myco)bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 4560-5	11.5	683
305	A blood RNA signature for tuberculosis disease risk: a prospective cohort study. <i>Lancet, The</i> , <b>2016</b> , 387, 2312-2322	40	477
304	Innate immunity to Mycobacterium tuberculosis. <i>Clinical Microbiology Reviews</i> , <b>2002</b> , 15, 294-309	34	432
303	Vaccines against tuberculosis: where are we and where do we need to go?. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002607	10.7	325
302	Expression of FOXP3 mRNA is not confined to CD4+CD25+ T regulatory cells in humans. <i>Human Immunology</i> , <b>2005</b> , 66, 13-20	2.3	324
301	Phenotypic and functional profiling of human proinflammatory type-1 and anti-inflammatory type-2 macrophages in response to microbial antigens and IFN-gamma- and CD40L-mediated costimulation. <i>Journal of Leukocyte Biology</i> , <b>2006</b> , 79, 285-93	6.5	277
300	NOD2 and toll-like receptors are nonredundant recognition systems of Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , <b>2005</b> , 1, 279-85	7.6	275
299	Mannose receptor-mediated uptake of antigens strongly enhances HLA class II-restricted antigen presentation by cultured dendritic cells. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 2426-35	6.1	274
298	Novel human immunodeficiencies reveal the essential role of type-I cytokines in immunity to intracellular bacteria. <i>Trends in Immunology</i> , <b>1998</b> , 19, 491-4		255
297	Intracellular bacterial growth is controlled by a kinase network around PKB/AKT1. <i>Nature</i> , <b>2007</b> , 450, 725-30	50.4	243
296	Diagnosis of childhood tuberculosis and host RNA expression in Africa. <i>New England Journal of Medicine</i> , <b>2014</b> , 370, 1712-1723	59.2	229
295	Multifunctional CD4(+) T cells correlate with active Mycobacterium tuberculosis infection. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 2211-20	6.1	227
294	Human T-cell responses to 25 novel antigens encoded by genes of the dormancy regulon of Mycobacterium tuberculosis. <i>Microbes and Infection</i> , <b>2006</b> , 8, 2052-60	9.3	220
293	The effect of type 2 diabetes mellitus on the presentation and treatment response of pulmonary tuberculosis. <i>Clinical Infectious Diseases</i> , <b>2007</b> , 45, 428-35	11.6	219
292	Genetics, cytokines and human infectious disease: lessons from weakly pathogenic mycobacteria and salmonellae. <i>Nature Genetics</i> , <b>2002</b> , 32, 97-105	36.3	210
291	Divergent effects of IL-12 and IL-23 on the production of IL-17 by human T cells. <i>European Journal of Immunology</i> , <b>2006</b> , 36, 661-70	6.1	201

290	Genetic association and expression studies indicate a role of toll-like receptor 8 in pulmonary tuberculosis. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000218	6	193
289	Human anti-inflammatory macrophages induce Foxp3+ GITR+ CD25+ regulatory T cells, which suppress via membrane-bound TGFbeta-1. <i>Journal of Immunology</i> , <b>2008</b> , 181, 2220-6	5.3	190
288	Selective stimulation of T helper 2 cytokine responses by the anti-psoriasis agent monomethylfumarate. <i>European Journal of Immunology</i> , <b>1996</b> , 26, 2067-74	6.1	187
287	Purification of his-tagged proteins by immobilized chelate affinity chromatography: the benefits from the use of organic solvent. <i>Protein Expression and Purification</i> , <b>2000</b> , 18, 95-9	2	182
286	Induction of regulatory T cells by macrophages is dependent on production of reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17686-91	11.5	181
285	Human genetics of intracellular infectious diseases: molecular and cellular immunity against mycobacteria and salmonellae. <i>Lancet Infectious Diseases</i> , <b>2004</b> , 4, 739-49	25.5	169
284	Genome-wide expression profiling identifies type 1 interferon response pathways in active tuberculosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e45839	3.7	168
283	MVA.85A boosting of BCG and an attenuated, phoP deficient M. tuberculosis vaccine both show protective efficacy against tuberculosis in rhesus macaques. <i>PLoS ONE</i> , <b>2009</b> , 4, e5264	3.7	167
282	Identification of a human CD8+ regulatory T cell subset that mediates suppression through the chemokine CC chemokine ligand 4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 8029-34	11.5	165
281	Ag85B-ESAT-6 adjuvanted with IC31 promotes strong and long-lived Mycobacterium tuberculosis specific T cell responses in naïve human volunteers. <i>Vaccine</i> , <b>2010</b> , 28, 3571-81	4.1	164
280	Recognition of stage-specific mycobacterial antigens differentiates between acute and latent infections with Mycobacterium tuberculosis. <i>Vaccine Journal</i> , <b>2006</b> , 13, 179-86		159
279	Antigenic equivalence of human T-cell responses to Mycobacterium tuberculosis-specific RD1-encoded protein antigens ESAT-6 and culture filtrate protein 10 and to mixtures of synthetic peptides. <i>Infection and Immunity</i> , <b>2000</b> , 68, 3314-21	3.7	158
278	Common variants at 11p13 are associated with susceptibility to tuberculosis. <i>Nature Genetics</i> , <b>2012</b> , 44, 257-9	36.3	156
277	A novel liposomal adjuvant system, CAF01, promotes long-lived Mycobacterium tuberculosis-specific T-cell responses in human. <i>Vaccine</i> , <b>2014</b> , 32, 7098-107	4.1	152
276	Identification of major epitopes of Mycobacterium tuberculosis AG85B that are recognized by HLA-A*0201-restricted CD8+ T cells in HLA-transgenic mice and humans. <i>Journal of Immunology</i> , <b>2000</b> , 165, 6463-71	5.3	142
275	HLA-DO is a negative modulator of HLA-DM-mediated MHC class II peptide loading. <i>Current Biology</i> , <b>1997</b> , 7, 950-7	6.3	141
274	Control of human host immunity to mycobacteria. <i>Tuberculosis</i> , <b>2005</b> , 85, 53-64	2.6	141
273	Tuberculin skin testing and in vitro T cell responses to ESAT-6 and culture filtrate protein 10 after infection with Mycobacterium marinum or M. kansasii. <i>Journal of Infectious Diseases</i> , <b>2002</b> , 186, 1797-807		138

272	Epitope mapping of the immunodominant antigen TB10.4 and the two homologous proteins TB10.3 and TB12.9, which constitute a subfamily of the esat-6 gene family. <i>Infection and Immunity</i> , <b>2002</b> , 70, 5446-53	3.7	134
271	Glucocorticoids transform CD40-triggering of dendritic cells into an alternative activation pathway resulting in antigen-presenting cells that secrete IL-10. <i>Blood</i> , <b>2000</b> , 95, 3162-3167	2.2	134
270	Dynamic changes in pro- and anti-inflammatory cytokine profiles and gamma interferon receptor signaling integrity correlate with tuberculosis disease activity and response to curative treatment. <i>Infection and Immunity</i> , <b>2007</b> , 75, 820-9	3.7	132
269	Prevention of tuberculosis infection and disease by local BCG in repeatedly exposed rhesus macaques. <i>Nature Medicine</i> , <b>2019</b> , 25, 255-262	50.5	130
268	Immunogenicity of novel DosR regulon-encoded candidate antigens of Mycobacterium tuberculosis in three high-burden populations in Africa. <i>Vaccine Journal</i> , <b>2009</b> , 16, 1203-12		129
267	Four-Gene Pan-African Blood Signature Predicts Progression to Tuberculosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 1198-1208	10.2	125
266	Cloned suppressor T cells from a lepromatous leprosy patient suppress Mycobacterium leprae reactive helper T cells. <i>Nature</i> , <b>1986</b> , 322, 462-4	50.4	125
265	Natural T-helper immunity against human papillomavirus type 16 (HPV16) E7-derived peptide epitopes in patients with HPV16-positive cervical lesions: identification of 3 human leukocyte antigen class II-restricted epitopes. <i>International Journal of Cancer</i> , <b>2001</b> , 91, 612-8	7.5	122
264	T cell assays and MIATA: the essential minimum for maximum impact. <i>Immunity</i> , <b>2012</b> , 37, 1-2	32.3	117
263	Immunogenicity of eight dormancy regulon-encoded proteins of Mycobacterium tuberculosis in DNA-vaccinated and tuberculosis-infected mice. <i>Infection and Immunity</i> , <b>2007</b> , 75, 941-9	3.7	116
262	Human host defense and cytokines in mycobacterial infectious diseases: interleukin-18 cannot compensate for genetic defects in the interleukin-12 system. <i>Clinical Infectious Diseases</i> , <b>2002</b> , 35, 210-2	11.6	115
261	Correlates of tuberculosis risk: predictive biomarkers for progression to active tuberculosis. <i>European Respiratory Journal</i> , <b>2016</b> , 48, 1751-1763	13.6	114
260	New pathways of protective and pathological host defense to mycobacteria. <i>Trends in Microbiology</i> , <b>2012</b> , 20, 419-28	12.4	113
259	The DNA damage-regulated autophagy modulator DRAM1 links mycobacterial recognition via TLR-MYD88 to autophagic defense [corrected]. <i>Cell Host and Microbe</i> , <b>2014</b> , 15, 753-67	23.4	112
258	Mycobacterium tuberculosis peptides presented by HLA-E molecules are targets for human CD8 T-cells with cytotoxic as well as regulatory activity. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000782	7.6	111
257	Mycobacterium leprae-specific protein antigens defined by cloned human helper T cells. <i>Nature</i> , <b>1986</b> , 319, 66-8	50.4	109
256	The ESX-5 secretion system of Mycobacterium marinum modulates the macrophage response. <i>Journal of Immunology</i> , <b>2008</b> , 181, 7166-75	5.3	105
255	Human CD4 and CD8 regulatory T cells in infectious diseases and vaccination. <i>Human Immunology</i> , <b>2008</b> , 69, 760-70	2.3	104

254	Ag85B-ESAT-6 adjuvanted with IC31□ promotes strong and long-lived Mycobacterium tuberculosis specific T cell responses in volunteers with previous BCG vaccination or tuberculosis infection. <i>Vaccine</i> , <b>2011</b> , 29, 2100-9	4.1	103
253	Identification and characterization of the ESAT-6 homologue of Mycobacterium leprae and T-cell cross-reactivity with Mycobacterium tuberculosis. <i>Infection and Immunity</i> , <b>2002</b> , 70, 2544-8	3.7	103
252	Identification of T-cell antigens specific for latent mycobacterium tuberculosis infection. <i>PLoS ONE</i> , <b>2009</b> , 4, e5590	3.7	103
251	T-cell recognition of the HspX protein of Mycobacterium tuberculosis correlates with latent M. tuberculosis infection but not with M. bovis BCG vaccination. <i>Infection and Immunity</i> , <b>2007</b> , 75, 2914-21	3.7	100
250	Role of tumor necrosis factor-alpha and interleukin-10 promoter gene polymorphisms in leprosy. <i>Journal of Infectious Diseases</i> , <b>2002</b> , 186, 1687-91	7	100
249	Tuberculosis Biomarkers: From Diagnosis to Protection. <i>Gastroenterology Insights</i> , <b>2016</b> , 8, 6568	2.1	100
248	Regulatory T-Cells at the Interface between Human Host and Pathogens in Infectious Diseases and Vaccination. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 217	8.4	99
247	Discrepancy between Mycobacterium tuberculosis-specific gamma interferon release assays using short and prolonged in vitro incubation. <i>Vaccine Journal</i> , <b>2007</b> , 14, 880-5		97
246	Mycobacterial growth inhibition is associated with trained innate immunity. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1837-1851	15.9	96
245	Update on tuberculosis biomarkers: From correlates of risk, to correlates of active disease and of cure from disease. <i>Respirology</i> , <b>2018</b> , 23, 455-466	3.6	91
244	Lack of immune responses to Mycobacterium tuberculosis DosR regulon proteins following Mycobacterium bovis BCG vaccination. <i>Infection and Immunity</i> , <b>2007</b> , 75, 3523-30	3.7	89
243	Patients with Tuberculosis Have a Dysfunctional Circulating B-Cell Compartment, Which Normalizes following Successful Treatment. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005687	7.6	89
242	Diagnostic performance of a seven-marker serum protein biosignature for the diagnosis of active TB disease in African primary healthcare clinic attendees with signs and symptoms suggestive of TB. <i>Thorax</i> , <b>2016</b> , 71, 785-94	7.3	89
241	The SystemMHC Atlas project. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D1237-D1247	20.1	87
240	Rewiring cellular metabolism via the AKT/mTOR pathway contributes to host defence against Mycobacterium tuberculosis in human and murine cells. <i>European Journal of Immunology</i> , <b>2016</b> , 46, 2574-2586	6.1	87
239	Genetic deficiencies of innate immune signalling in human infectious disease. <i>Lancet Infectious Diseases</i> , <b>2009</b> , 9, 688-98	25.5	87
238	A high-throughput screen for tuberculosis progression. <i>PLoS ONE</i> , <b>2011</b> , 6, e16779	3.7	85
237	Analysis of Mycobacterium tuberculosis-specific CD8 T-cells in patients with active tuberculosis and in individuals with latent infection. <i>PLoS ONE</i> , <b>2009</b> , 4, e5528	3.7	82

236	Pulmonary delivery of DNA encoding Mycobacterium tuberculosis latency antigen Rv1733c associated to PLGA-PEI nanoparticles enhances T cell responses in a DNA prime/protein boost vaccination regimen in mice. <i>Vaccine</i> , <b>2009</b> , 27, 4010-7	4.1	81
235	A genome wide association study of pulmonary tuberculosis susceptibility in Indonesians. <i>BMC Medical Genetics</i> , <b>2012</b> , 13, 5	2.1	78
234	Lateral flow assay for simultaneous detection of cellular- and humoral immune responses. <i>Clinical Biochemistry</i> , <b>2011</b> , 44, 1241-6	3.5	75
233	Antibody glycosylation in inflammation, disease and vaccination. <i>Seminars in Immunology</i> , <b>2018</b> , 39, 102-110	10.7	74
232	A helicopter perspective on TB biomarkers: pathway and process based analysis of gene expression data provides new insight into TB pathogenesis. <i>PLoS ONE</i> , <b>2013</b> , 8, e73230	3.7	74
231	Double- and monofunctional CD4+ and CD8+ T-cell responses to Mycobacterium tuberculosis DosR antigens and peptides in long-term latently infected individuals. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 2925-36	6.1	73
230	Severe Mycobacterium bovis BCG infections in a large series of novel IL-12 receptor beta1 deficient patients and evidence for the existence of partial IL-12 receptor beta1 deficiency. <i>European Journal of Immunology</i> , <b>2003</b> , 33, 59-69	6.1	73
229	The C-type lectin receptor CLECSF8/CLEC4D is a key component of anti-mycobacterial immunity. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 252-9	23.4	71
228	Anti-inflammatory M2 type macrophages characterize metastasized and tyrosine kinase inhibitor-treated gastrointestinal stromal tumors. <i>International Journal of Cancer</i> , <b>2010</b> , 127, 899-909	7.5	70
227	Residual type 1 immunity in patients genetically deficient for interleukin 12 receptor beta1 (IL-12Rbeta1): evidence for an IL-12Rbeta1-independent pathway of IL-12 responsiveness in human T cells. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 517-28	16.6	70
226	Human CD8+ T-cells recognizing peptides from Mycobacterium tuberculosis (Mtb) presented by HLA-E have an unorthodox Th2-like, multifunctional, Mtb inhibitory phenotype and represent a novel human T-cell subset. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004671	7.6	68
225	Use of ESAT-6 and CFP-10 antigens for diagnosis of extrapulmonary tuberculosis. <i>Journal of Infectious Diseases</i> , <b>2001</b> , 183, 175-6	7	66
224	Induction of antigen-specific CD4+ HLA-DR-restricted cytotoxic T lymphocytes as well as nonspecific nonrestricted killer cells by the recombinant mycobacterial 65-kDa heat-shock protein. <i>European Journal of Immunology</i> , <b>1990</b> , 20, 369-77	6.1	66
223	Metabolite changes in blood predict the onset of tuberculosis. <i>Nature Communications</i> , <b>2018</b> , 9, 5208	17.4	66
222	Acquired immunodeficiencies and tuberculosis: focus on HIV/AIDS and diabetes mellitus. <i>Immunological Reviews</i> , <b>2015</b> , 264, 121-37	11.3	62
221	Infection with Mycobacterium tuberculosis Beijing genotype strains is associated with polymorphisms in SLC11A1/NRAMP1 in Indonesian patients with tuberculosis. <i>Journal of Infectious Diseases</i> , <b>2009</b> , 200, 1671-4	7	62
220	Increased IgG1, IFN-gamma, TNF-alpha and IL-6 responses to Mycobacterium tuberculosis antigens in patients with tuberculosis are lower after chemotherapy. <i>International Immunology</i> , <b>2010</b> , 22, 775-82	4.9	61
219	Mycobacterium leprae-specific, HLA class II-restricted killing of human Schwann cells by CD4+ Th1 cells: a novel immunopathogenic mechanism of nerve damage in leprosy. <i>Journal of Immunology</i> , <b>2001</b> , 166, 5883-8	5.3	60



218	An unbiased genome-wide Mycobacterium tuberculosis gene expression approach to discover antigens targeted by human T cells expressed during pulmonary infection. <i>Journal of Immunology</i> , <b>2013</b> , 190, 1659-71	5.3	59
217	Transcriptional and inflammasome-mediated pathways for the induction of IL-1beta production by Mycobacterium tuberculosis. <i>European Journal of Immunology</i> , <b>2009</b> , 39, 1914-22	6.1	59
216	Tuberculin skin testing compared with T-cell responses to Mycobacterium tuberculosis-specific and nonspecific antigens for detection of latent infection in persons with recent tuberculosis contact. <i>Vaccine Journal</i> , <b>2001</b> , 8, 1089-96		59
215	Variable BCG efficacy in rhesus populations: Pulmonary BCG provides protection where standard intra-dermal vaccination fails. <i>Tuberculosis</i> , <b>2017</b> , 104, 46-57	2.6	58
214	Regulation of mycobacterial heat-shock protein-reactive T cells by HLA class II molecules: lessons from leprosy. <i>Immunological Reviews</i> , <b>1991</b> , 121, 171-91	11.3	56
213	Tuberculosis vaccines: Opportunities and challenges. <i>Respirology</i> , <b>2018</b> , 23, 359-368	3.6	54
212	Differential gene expression of activating Fcγ receptor classifies active tuberculosis regardless of human immunodeficiency virus status or ethnicity. <i>Clinical Microbiology and Infection</i> , <b>2014</b> , 20, O230-8	9.5	54
211	T-cell regulation in lepromatous leprosy. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2773	4.8	54
210	Effect of vesicle size on tissue localization and immunogenicity of liposomal DNA vaccines. <i>Vaccine</i> , <b>2011</b> , 29, 4761-70	4.1	54
209	Identification of human T-cell responses to Mycobacterium tuberculosis resuscitation-promoting factors in long-term latently infected individuals. <i>Vaccine Journal</i> , <b>2011</b> , 18, 676-83		54
208	Interleukin-10 promoter single-nucleotide polymorphisms as markers for disease susceptibility and disease severity in leprosy. <i>Genes and Immunity</i> , <b>2004</b> , 5, 592-5	4.4	54
207	Immunogenicity of 60 novel latency-related antigens of Mycobacterium tuberculosis. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 517	5.7	53
206	Characteristics of HLA-E Restricted T-Cell Responses and Their Role in Infectious Diseases. <i>Journal of Immunology Research</i> , <b>2016</b> , 2016, 2695396	4.5	52
205	Postgenomic approach to identify novel Mycobacterium leprae antigens with potential to improve immunodiagnosis of infection. <i>Infection and Immunity</i> , <b>2005</b> , 73, 5636-44	3.7	51
204	First in humans: a new molecularly defined vaccine shows excellent safety and strong induction of long-lived Mycobacterium tuberculosis-specific Th1-cell like responses. <i>Hum Vaccin</i> , <b>2010</b> , 6, 1007-15		50
203	The other Janus face of Qa-1 and HLA-E: diverse peptide repertoires in times of stress. <i>Microbes and Infection</i> , <b>2010</b> , 12, 910-8	9.3	50
202	Presentation of interleukin-12/-23 receptor beta1 deficiency with various clinical symptoms of Salmonella infections. <i>Journal of Clinical Immunology</i> , <b>2006</b> , 26, 1-6	5.7	50
201	Longitudinal immune responses and gene expression profiles in type 1 leprosy reactions. <i>Journal of Clinical Immunology</i> , <b>2014</b> , 34, 245-55	5.7	49

200	Binding of a major T cell epitope of mycobacteria to a specific pocket within HLA-DRw17(DR3) molecules. <i>European Journal of Immunology</i> , <b>1992</b> , 22, 107-13	6.1	49
199	Higher frequency of T-cell response to M. tuberculosis latency antigen Rv2628 at the site of active tuberculosis disease than in peripheral blood. <i>PLoS ONE</i> , <b>2011</b> , 6, e27539	3.7	48
198	Field-evaluation of a new lateral flow assay for detection of cellular and humoral immunity against Mycobacterium leprae. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2845	4.8	46
197	Low induction of proinflammatory cytokines parallels evolutionary success of modern strains within the Mycobacterium tuberculosis Beijing genotype. <i>Infection and Immunity</i> , <b>2013</b> , 81, 3750-6	3.7	46
196	Genetic variations in the interleukin-12/interleukin-23 receptor (beta1) chain, and implications for IL-12 and IL-23 receptor structure and function. <i>Immunogenetics</i> , <b>2003</b> , 54, 817-29	3.2	46
195	New Genome-Wide Algorithm Identifies Novel In-Vivo Expressed Mycobacterium Tuberculosis Antigens Inducing Human T-Cell Responses with Classical and Unconventional Cytokine Profiles. <i>Scientific Reports</i> , <b>2016</b> , 6, 37793	4.9	46
194	Analysis of immune responses against a wide range of Mycobacterium tuberculosis antigens in patients with active pulmonary tuberculosis. <i>Vaccine Journal</i> , <b>2012</b> , 19, 1907-15		45
193	CXCR6 is a marker for protective antigen-specific cells in the lungs after intranasal immunization against Mycobacterium tuberculosis. <i>Infection and Immunity</i> , <b>2011</b> , 79, 3328-37	3.7	45
192	Monokine induced by interferon gamma and IFN-gamma response to a fusion protein of Mycobacterium tuberculosis ESAT-6 and CFP-10 in Brazilian tuberculosis patients. <i>Microbes and Infection</i> , <b>2006</b> , 8, 45-51	9.3	45
191	Human host genetic factors in mycobacterial and Salmonella infection: lessons from single gene disorders in IL-12/IL-23-dependent signaling that affect innate and adaptive immunity. <i>Microbes and Infection</i> , <b>2006</b> , 8, 1167-73	9.3	44
190	T cell responses to DosR and Rpf proteins in actively and latently infected individuals from Colombia. <i>Tuberculosis</i> , <b>2012</b> , 92, 148-59	2.6	43
189	Plasma granulysin levels and cellular interferon-gamma production correlate with curative host responses in tuberculosis, while plasma interferon-gamma levels correlate with tuberculosis disease activity in adults. <i>Tuberculosis</i> , <b>2007</b> , 87, 312-21	2.6	43
188	Potential of host markers produced by infection phase-dependent antigen-stimulated cells for the diagnosis of tuberculosis in a highly endemic area. <i>PLoS ONE</i> , <b>2012</b> , 7, e38501	3.7	43
187	Transcriptomic evidence for modulation of host inflammatory responses during febrile Plasmodium falciparum malaria. <i>Scientific Reports</i> , <b>2016</b> , 6, 31291	4.9	43
186	A Systematic Review on Novel Antigens and Their Discriminatory Potential for the Diagnosis of Latent and Active Tuberculosis. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2476	8.4	43
185	Determinants of antibody persistence across doses and continents after single-dose rVSV-ZEBOV vaccination for Ebola virus disease: an observational cohort study. <i>Lancet Infectious Diseases</i> , <b>2018</b> , 18, 738-748	25.5	42
184	Ten challenges for TB biomarkers. <i>Tuberculosis</i> , <b>2012</b> , 92 Suppl 1, S17-20	2.6	42
183	Intracellular Cytokine Staining and Flow Cytometry: Considerations for Application in Clinical Trials of Novel Tuberculosis Vaccines. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138042	3.7	42



182	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> , <b>2013</b> , 8, e74080	3.7	42
181	Multi-center evaluation of a user-friendly lateral flow assay to determine IP-10 and CCL4 levels in blood of TB and non-TB cases in Africa. <i>Clinical Biochemistry</i> , <b>2016</b> , 49, 22-31	3.5	41
180	Innovative Strategies to Identify M. tuberculosis Antigens and Epitopes Using Genome-Wide Analyses. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 256	8.4	41
179	Identification of major factors influencing ELISpot-based monitoring of cellular responses to antigens from Mycobacterium tuberculosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e7972	3.7	41
178	Cross-reactive immunity to Mycobacterium tuberculosis DosR regulon-encoded antigens in individuals infected with environmental, nontuberculous mycobacteria. <i>Infection and Immunity</i> , <b>2009</b> , 77, 5071-9	3.7	41
177	Association of polymorphisms in IL-12/IFN-gamma pathway genes with susceptibility to pulmonary tuberculosis in Indonesia. <i>Tuberculosis</i> , <b>2007</b> , 87, 303-11	2.6	41
176	Multifocal osteomyelitis caused by nontuberculous mycobacteria in patients with a genetic defect of the interferon-gamma receptor. <i>Netherlands Journal of Medicine</i> , <b>2001</b> , 59, 140-51	0.5	41
175	Human CD8 T lymphocytes recognize Mycobacterium tuberculosis antigens presented by HLA-E during active tuberculosis and express type 2 cytokines. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 1069-81	6.1	40
174	Genome-based in silico identification of new Mycobacterium tuberculosis antigens activating polyfunctional CD8+ T cells in human tuberculosis. <i>Journal of Immunology</i> , <b>2011</b> , 186, 1068-80	5.3	40
173	CD39 is involved in mediating suppression by Mycobacterium bovis BCG-activated human CD8(+) CD39(+) regulatory T cells. <i>European Journal of Immunology</i> , <b>2013</b> , 43, 1925-32	6.1	39
172	Interactions between Type 1 Interferons and the Th17 Response in Tuberculosis: Lessons Learned from Autoimmune Diseases. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 294	8.4	39
171	Potential of Mycobacterium tuberculosis resuscitation-promoting factors as antigens in novel tuberculosis sub-unit vaccines. <i>Microbes and Infection</i> , <b>2012</b> , 14, 86-95	9.3	39
170	Not to wake a sleeping giant: new insights into host-pathogen interactions identify new targets for vaccination against latent Mycobacterium tuberculosis infection. <i>Biological Chemistry</i> , <b>2008</b> , 389, 497-514	14.5	39
169	A dose-dependent plasma signature of the safety and immunogenicity of the rVSV-Ebola vaccine in Europe and Africa. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	37
168	Ebola vaccine R&D: Filling the knowledge gaps. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 317ps24	17.5	37
167	Overcoming the global crisis: "yes, we can", but also for TB ... ?. <i>European Journal of Immunology</i> , <b>2009</b> , 39, 2014-20	6.1	37
166	Mycobacterium bovis BCG Vaccination Induces Divergent Proinflammatory or Regulatory T Cell Responses in Adults. <i>Vaccine Journal</i> , <b>2015</b> , 22, 778-88		36
165	DISSEMINATED MYCOBACTERIUM PEREGRINUM INFECTION IN A CHILD WITH COMPLETE INTERFERON-GAMMA RECEPTOR-1 DEFICIENCY. <i>Pediatric Infectious Disease Journal</i> , <b>2003</b> , 22, 378-380	3.4	36

164	Novel mechanisms in the immunopathogenesis of leprosy nerve damage: the role of Schwann cells, T cells and Mycobacterium leprae. <i>Immunology and Cell Biology</i> , <b>2000</b> , 78, 349-55	5	36
163	Safety and immunogenicity of the novel H4:IC31 tuberculosis vaccine candidate in BCG-vaccinated adults: Two phase I dose escalation trials. <i>Vaccine</i> , <b>2017</b> , 35, 1652-1661	4.1	33
162	TBVAC2020: Advancing Tuberculosis Vaccines from Discovery to Clinical Development. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1203	8.4	33
161	MHC Ib molecule Qa-1 presents Mycobacterium tuberculosis peptide antigens to CD8+ T cells and contributes to protection against infection. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006384	7.6	33
160	Identification of probable early-onset biomarkers for tuberculosis disease progression. <i>PLoS ONE</i> , <b>2011</b> , 6, e25230	3.7	32
159	Harnessing donor unrestricted T-cells for new vaccines against tuberculosis. <i>Vaccine</i> , <b>2019</b> , 37, 3022-3030	4.1	31
158	HLA and leprosy in the pre and postgenomic eras. <i>Human Immunology</i> , <b>2006</b> , 67, 439-45	2.3	31
157	Human deficiencies in type 1 cytokine receptors reveal the essential role of type 1 cytokines in immunity to intracellular bacteria. <i>Microbes and Infection</i> , <b>2000</b> , 2, 1559-66	9.3	31
156	Mannose receptor mediated uptake of antigens strongly enhances HLA-class II restricted antigen presentation by cultured dendritic cells. <i>Advances in Experimental Medicine and Biology</i> , <b>1997</b> , 417, 171-4	3.6	31
155	Molecular complementation of IL-12Rbeta1 deficiency reveals functional differences between IL-12Rbeta1 alleles including partial IL-12Rbeta1 deficiency. <i>Human Molecular Genetics</i> , <b>2005</b> , 14, 3847-55	5.6	30
154	Pneumonia caused by Mycobacterium kansasii in a series of patients without recognised immune defect. <i>Clinical Microbiology and Infection</i> , <b>2004</b> , 10, 738-48	9.5	29
153	Combined chemical genetics and data-driven bioinformatics approach identifies receptor tyrosine kinase inhibitors as host-directed antimicrobials. <i>Nature Communications</i> , <b>2018</b> , 9, 358	17.4	28
152	CD8+ regulatory T cells, and not CD4+ T cells, dominate suppressive phenotype and function after in vitro live Mycobacterium bovis-BCG activation of human cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e94192	3.7	28
151	A sensitive fluorometric assay for quantitatively measuring specific peptide binding to HLA class I and class II molecules. <i>Journal of Immunological Methods</i> , <b>1997</b> , 200, 89-97	2.5	28
150	IL-12 receptor deficiency revisited: IL-23-mediated signaling is also impaired in human genetic IL-12 receptor beta1 deficiency. <i>European Journal of Immunology</i> , <b>2003</b> , 33, 3393-7	6.1	28
149	Immunological and functional characterization of Mycobacterium leprae protein antigens: an overview. <i>Molecular Microbiology</i> , <b>1995</b> , 18, 791-800	4.1	28
148	Short-term high-fat diet increases macrophage markers in skeletal muscle accompanied by impaired insulin signalling in healthy male subjects. <i>Clinical Science</i> , <b>2015</b> , 128, 143-51	6.5	27
147	Clinical immunology and multiplex biomarkers of human tuberculosis. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2014</b> , 5,	5.4	27

146	Africa-wide evaluation of host biomarkers in QuantiFERON supernatants for the diagnosis of pulmonary tuberculosis. <i>Scientific Reports</i> , <b>2018</b> , 8, 2675	4.9	27
145	Mycobacterium tuberculosis-specific CD4+ T-cell response is increased, and Treg cells decreased, in anthelmintic-treated patients with latent TB. <i>European Journal of Immunology</i> , <b>2016</b> , 46, 752-61	6.1	27
144	Pro- and anti-inflammatory cytokines against Rv2031 are elevated during latent tuberculosis: a study in cohorts of tuberculosis patients, household contacts and community controls in an endemic setting. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124134	3.7	27
143	Improved long-term protection against Mycobacterium tuberculosis Beijing/W in mice after intra-dermal inoculation of recombinant BCG expressing latency associated antigens. <i>Vaccine</i> , <b>2011</b> , 29, 8740-4	4.1	27
142	NF- $\kappa$ B/MAPK activation underlies ACVR1-mediated inflammation in human heterotopic ossification. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	27
141	Immunometabolic Signatures Predict Risk of Progression to Active Tuberculosis and Disease Outcome. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 527	8.4	26
140	Potential of DosR and Rpf antigens from Mycobacterium tuberculosis to discriminate between latent and active tuberculosis in a tuberculosis endemic population of Medellin Colombia. <i>BMC Infectious Diseases</i> , <b>2018</b> , 18, 26	4	26
139	Biomarkers Can Identify Pulmonary Tuberculosis in HIV-infected Drug Users Months Prior to Clinical Diagnosis. <i>EBioMedicine</i> , <b>2015</b> , 2, 172-9	8.8	26
138	Simultaneous immunization against tuberculosis. <i>PLoS ONE</i> , <b>2011</b> , 6, e27477	3.7	26
137	Altered peptide ligands of islet autoantigen Imogen 38 inhibit antigen specific T cell reactivity in human type-1 diabetes. <i>Journal of Autoimmunity</i> , <b>1998</b> , 11, 353-61	15.5	26
136	Use of lateral flow assays to determine IP-10 and CCL4 levels in pleural effusions and whole blood for TB diagnosis. <i>Tuberculosis</i> , <b>2016</b> , 96, 31-6	2.6	25
135	Detailed characterization of human Mycobacterium tuberculosis specific HLA-E restricted CD8 T $\gamma$ cells. <i>European Journal of Immunology</i> , <b>2018</b> , 48, 293-305	6.1	25
134	Enhancing sensitivity of detection of immune responses to Mycobacterium leprae peptides in whole-blood assays. <i>Vaccine Journal</i> , <b>2010</b> , 17, 993-1004		24
133	Two patients with complete defects in interferon gamma receptor-dependent signaling. <i>Journal of Clinical Immunology</i> , <b>2007</b> , 27, 490-6	5.7	24
132	Complement Component C1q as Serum Biomarker to Detect Active Tuberculosis. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2427	8.4	24
131	A Serum Circulating miRNA Signature for Short-Term Risk of Progression to Active Tuberculosis Among Household Contacts. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 661	8.4	23
130	Genome wide approaches discover novel Mycobacterium tuberculosis antigens as correlates of infection, disease, immunity and targets for vaccination. <i>Seminars in Immunology</i> , <b>2018</b> , 39, 88-101	10.7	23
129	Circulating Mycobacterium tuberculosis DosR latency antigen-specific, polyfunctional, regulatory IL10 Th17 CD4 T-cells differentiate latent from active tuberculosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 11948	4.9	23

128	Human suppressor T cell clones lack CD28. <i>European Journal of Immunology</i> , <b>1990</b> , 20, 1281-8	6.1	23
127	Cell-type deconvolution with immune pathways identifies gene networks of host defense and immunopathology in leprosy. <i>JCI Insight</i> , <b>2016</b> , 1, e88843	9.9	23
126	Human deficiencies in type-1 cytokine receptors reveal the essential role of type-1 cytokines in immunity to intracellular bacteria. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 531, 279-94	3.6	23
125	Host-pathogen interactions in latent Mycobacterium tuberculosis infection: identification of new targets for tuberculosis intervention. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , <b>2008</b> , 8, 15-29	2.2	22
124	The mammalian cell entry operon 1 (mce1) of mycobacterium leprae and mycobacterium tuberculosis. <i>Microbial Pathogenesis</i> , <b>1999</b> , 27, 173-7	3.8	22
123	BCG revaccination boosts adaptive polyfunctional Th1/Th17 and innate effectors in IGRA+ and IGRA- Indian adults. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	22
122	Synthetic Long Peptide Derived from Mycobacterium tuberculosis Latency Antigen Rv1733c Protects against Tuberculosis. <i>Vaccine Journal</i> , <b>2015</b> , 22, 1060-9		21
121	Combination of gene expression patterns in whole blood discriminate between tuberculosis infection states. <i>BMC Infectious Diseases</i> , <b>2014</b> , 14, 257	4	21
120	A multistage-polyepitope vaccine protects against Mycobacterium tuberculosis infection in HLA-DR3 transgenic mice. <i>Vaccine</i> , <b>2012</b> , 30, 7513-21	4.1	21
119	The influence of influenza virus infections on the development of tuberculosis. <i>Tuberculosis</i> , <b>2013</b> , 93, 338-42	2.6	20
118	T cell immune responses to mycobacterial antigens in Brazilian tuberculosis patients and controls. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>2005</b> , 99, 699-707	2	20
117	Study of the antibody response against Mycobacterium tuberculosis antigens in Warao Amerindian children in Venezuela. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2004</b> , 99, 517-24	2.6	20
116	Plasma metabolomics in tuberculosis patients with and without concurrent type 2 diabetes at diagnosis and during antibiotic treatment. <i>Scientific Reports</i> , <b>2019</b> , 9, 18669	4.9	20
115	Oxidized low-density lipoprotein (oxLDL) supports Mycobacterium tuberculosis survival in macrophages by inducing lysosomal dysfunction. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007724	7.6	19
114	Effectiveness of Stress-Reducing Interventions on the Response to Challenges to the Immune System: A Meta-Analytic Review. <i>Psychotherapy and Psychosomatics</i> , <b>2019</b> , 88, 274-286	9.4	19
113	Novel transcriptional signatures for sputum-independent diagnostics of tuberculosis in children. <i>Scientific Reports</i> , <b>2017</b> , 7, 5839	4.9	19
112	Recombinant ESAT-6-CFP10 Fusion Protein Induction of Th1/Th2 Cytokines and FoxP3 Expressing Treg Cells in Pulmonary TB. <i>PLoS ONE</i> , <b>2013</b> , 8, e68121	3.7	19
111	Multifunctional T Cell Response to DosR and Rpf Antigens Is Associated with Protection in Long-Term Mycobacterium tuberculosis-Infected Individuals in Colombia. <i>Vaccine Journal</i> , <b>2016</b> , 23, 813-824		19

110	Approaching a diagnostic point-of-care test for pediatric tuberculosis through evaluation of immune biomarkers across the clinical disease spectrum. <i>Scientific Reports</i> , <b>2016</b> , 6, 18520	4.9	18
109	Impaired Immune Response to Primary but Not to Booster Vaccination Against Hepatitis B in Older Adults. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1035	8.4	18
108	The in vivo expressed Mycobacterium tuberculosis (IVE-TB) antigen Rv2034 induces CD4+ T-cells that protect against pulmonary infection in HLA-DR transgenic mice and guinea pigs. <i>Vaccine</i> , <b>2014</b> , 32, 3580-8	4.1	18
107	Polymorphisms in SP110 are not associated with pulmonary tuberculosis in Indonesians. <i>Infection, Genetics and Evolution</i> , <b>2012</b> , 12, 1319-23	4.5	18
106	T cell receptor and peptide-contacting residues in the HLA-DR17(3) beta 1 chain. <i>European Journal of Immunology</i> , <b>1994</b> , 24, 3241-4	6.1	18
105	Patients with Concurrent Tuberculosis and Diabetes Have a Pro-Atherogenic Plasma Lipid Profile. <i>EBioMedicine</i> , <b>2018</b> , 32, 192-200	8.8	18
104	Optimisation, harmonisation and standardisation of the direct mycobacterial growth inhibition assay using cryopreserved human peripheral blood mononuclear cells. <i>Journal of Immunological Methods</i> , <b>2019</b> , 469, 1-10	2.5	17
103	KLRG1 and PD-1 expression are increased on T-cells following tuberculosis-treatment and identify cells with different proliferative capacities in BCG-vaccinated adults. <i>Tuberculosis</i> , <b>2016</b> , 97, 163-71	2.6	17
102	Guidance for Studies Evaluating the Accuracy of Tuberculosis Triage Tests. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, S116-S125	7	17
101	A novel, highly efficient peptide-HLA class I binding assay using unfolded heavy chain molecules: identification of HIV-1 derived peptides that bind to HLA-A*0201 and HLA-A*0301. <i>Journal of Immunological Methods</i> , <b>1997</b> , 205, 201-9	2.5	17
100	Disparate Tuberculosis Disease Development in Macaque Species Is Associated With Innate Immunity. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2479	8.4	17
99	Atypical Human Effector/Memory CD4 T Cells With a Naive-Like Phenotype. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2832	8.4	17
98	Whole-blood transcriptomic signatures induced during immunization by chloroquine prophylaxis and Plasmodium falciparum sporozoites. <i>Scientific Reports</i> , <b>2019</b> , 9, 8386	4.9	16
97	Functional Inhibition of Host Histone Deacetylases (HDACs) Enhances and Anti-mycobacterial Activity in Human Macrophages and in Zebrafish. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 36	8.4	16
96	The effect of HIV coinfection, HAART and TB treatment on cytokine/chemokine responses to Mycobacterium tuberculosis (Mtb) antigens in active TB patients and latently Mtb infected individuals. <i>Tuberculosis</i> , <b>2016</b> , 96, 131-40	2.6	16
95	Human CD4 T-Cells With a Naive Phenotype Produce Multiple Cytokines During Infection and Correlate With Active Disease. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1119	8.4	16
94	Focused human gene expression profiling using dual-color reverse transcriptase multiplex ligation-dependent probe amplification. <i>Vaccine</i> , <b>2015</b> , 33, 5282-8	4.1	15
93	Use of resuscitation-promoting factor proteins improves the sensitivity of culture-based tuberculosis testing in special samples. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 612-4	10.2	15

92	Host Immune Responses Differ between M. africanum- and M. tuberculosis-Infected Patients following Standard Anti-tuberculosis Treatment. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0004701	4.8	15
91	Dysregulation of Apoptosis Is a Risk Factor for Tuberculosis Disease Progression. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 1469-79	7	14
90	Kinetics of T cell-activation molecules in response to Mycobacterium tuberculosis antigens. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2002</b> , 97, 1097-9	2.6	14
89	The biologic importance of conserved major histocompatibility complex class II motifs in primates. <i>Human Immunology</i> , <b>1993</b> , 38, 201-5	2.3	14
88	Host-directed therapy to combat mycobacterial infections. <i>Immunological Reviews</i> , <b>2021</b> , 301, 62-83	11.3	14
87	Analyzing the impact of Mycobacterium tuberculosis infection on primary human macrophages by combined exploratory and targeted metabolomics. <i>Scientific Reports</i> , <b>2020</b> , 10, 7085	4.9	13
86	Humoral Responses to Rv1733c, Rv0081, Rv1735c, and Rv1737c DosR Regulon-Encoded Proteins of in Individuals with Latent Tuberculosis Infection. <i>Journal of Immunology Research</i> , <b>2017</b> , 2017, 1593143	4.5	13
85	Vaccines for Leprosy and Tuberculosis: Opportunities for Shared Research, Development, and Application. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 308	8.4	13
84	Retinal Pigment Epithelial Cells Control Early Mycobacterium tuberculosis Infection via Interferon Signaling <b>2018</b> , 59, 1384-1395		13
83	A DR17-restricted T cell epitope from a secreted Mycobacterium tuberculosis antigen only binds to DR17 molecules at neutral pH. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 842-7	6.1	13
82	Identification of a systemic interferon- $\gamma$ -inducible antimicrobial gene signature in leprosy patients undergoing reversal reaction. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007764	4.8	12
81	Molecular Signatures of Immunity and Immunogenicity in Infection and Vaccination. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1563	8.4	12
80	Mycobacterium leprae virulence-associated peptides are indicators of exposure to M. leprae in Brazil, Ethiopia and Nepal. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2012</b> , 107 Suppl 1, 112-23	2.6	12
79	B-Cells and Antibodies as Contributors to Effector Immune Responses in Tuberculosis. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 640168	8.4	12
78	Detection of IgG1 antibodies against Mycobacterium tuberculosis DosR and Rpf antigens in tuberculosis patients before and after chemotherapy. <i>Tuberculosis</i> , <b>2016</b> , 96, 65-70	2.6	11
77	Interferon- $\gamma$ -responses to Mycobacterium tuberculosis Rpf proteins in contact investigation. <i>Tuberculosis</i> , <b>2013</b> , 93, 612-7	2.6	11
76	Immunological characterization of latent tuberculosis infection in a low endemic country. <i>Tuberculosis</i> , <b>2017</b> , 106, 62-72	2.6	11
75	Clonal analysis of the T-cell response to in vivo expressed Mycobacterium tuberculosis protein Rv2034, using a CD154 expression based T-cell cloning method. <i>PLoS ONE</i> , <b>2014</b> , 9, e99203	3.7	11



74	ML1419c peptide immunization induces Mycobacterium leprae-specific HLA-A*0201-restricted CTL in vivo with potential to kill live mycobacteria. <i>Journal of Immunology</i> , <b>2011</b> , 187, 1393-402	5.3	11
73	Peptides Derived from Mycobacterium leprae ML1601c Discriminate between Leprosy Patients and Healthy Endemic Controls. <i>Journal of Tropical Medicine</i> , <b>2012</b> , 2012, 132049	2.4	11
72	Differences in IgG responses against infection phase related Mycobacterium tuberculosis (Mtb) specific antigens in individuals exposed or not to Mtb correlate with control of TB infection and progression. <i>Tuberculosis</i> , <b>2017</b> , 106, 25-32	2.6	10
71	Rapid dose-dependent Natural Killer (NK) cell modulation and cytokine responses following human rVSV-ZEBOV Ebola virus vaccination. <i>Npj Vaccines</i> , <b>2020</b> , 5, 32	9.5	10
70	Host Gene Expression Kinetics During Treatment of Tuberculosis in HIV-Coinfected Individuals Is Independent of Highly Active Antiretroviral Therapy. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 218, 1833-1846	7	10
69	HLA-DR/DQ transgenic, class II deficient mice as a novel model to select for HSP T cell epitopes with immunotherapeutic or preventative vaccine potential. <i>Biotherapy (Dordrecht, Netherlands)</i> , <b>1998</b> , 10, 191-6		10
68	Influenza virus vaccination induces interleukin-12/23 receptor beta 1 (IL-12/23R beta 1)-independent production of gamma interferon (IFN-gamma) and humoral immunity in patients with genetic deficiencies in IL-12/23R beta 1 or IFN-gamma receptor I. <i>Vaccine Journal</i> , <b>2008</b> , 15, 1171-5		10
67	The search for a tuberculosis vaccine: an elusive quest?. <i>Tuberculosis</i> , <b>2006</b> , 86, 41-6	2.6	10
66	Borderline QuantiFERON results and the distinction between specific responses and test variability. <i>Tuberculosis</i> , <b>2018</b> , 111, 102-108	2.6	10
65	Proof of concept that most borderline Quantiferon results are true antigen-specific responses. <i>European Respiratory Journal</i> , <b>2017</b> , 50,	13.6	9
64	Whole blood RNA signatures in leprosy patients identify reversal reactions before clinical onset: a prospective, multicenter study. <i>Scientific Reports</i> , <b>2019</b> , 9, 17931	4.9	9
63	Cell-Mediated Immune Responses to -Expressed and Stage-Specific Antigens in Latent and Active Tuberculosis Across Different Age Groups. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 103	8.4	8
62	Mobilizing unconventional T cells. <i>Science</i> , <b>2019</b> , 366, 302-303	33.3	8
61	Modulation of protective and pathological immunity in mycobacterial infections. <i>International Archives of Allergy and Immunology</i> , <b>1997</b> , 113, 400-8	3.7	8
60	The role of donor-unrestricted T-cells, innate lymphoid cells, and NK cells in anti-mycobacterial immunity. <i>Immunological Reviews</i> , <b>2021</b> , 301, 30-47	11.3	8
59	Cross-laboratory evaluation of multiplex bead assays including independent common reference standards for immunological monitoring of observational and interventional human studies. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201205	3.7	8
58	A novel view on the pathogenesis of complications after intravesical BCG for bladder cancer. <i>International Journal of Infectious Diseases</i> , <b>2018</b> , 72, 63-68	10.5	8
57	Expression and production of the SERPING1-encoded endogenous complement regulator C1-inhibitor in multiple cohorts of tuberculosis patients. <i>Molecular Immunology</i> , <b>2020</b> , 120, 187-195	4.3	6

56	BLR1 and FCGR1A transcripts in peripheral blood associate with the extent of intrathoracic tuberculosis in children and predict treatment outcome. <i>Scientific Reports</i> , <b>2016</b> , 6, 38841	4.9	6
55	Dynamics of the T cell response to Mycobacterium tuberculosis DosR and Rpf antigens in a Colombian population of household contacts of recently diagnosed pulmonary tuberculosis patients. <i>Tuberculosis</i> , <b>2016</b> , 97, 97-107	2.6	6
54	The effects of a psychological intervention directed at optimizing immune function: study protocol for a randomized controlled trial. <i>Trials</i> , <b>2017</b> , 18, 243	2.8	6
53	Combining host-derived biomarkers with patient characteristics improves signature performance in predicting tuberculosis treatment outcomes. <i>Communications Biology</i> , <b>2020</b> , 3, 359	6.7	6
52	Peptide Binding to HLA-E Molecules in Humans, Nonhuman Primates, and Mice Reveals Unique Binding Peptides but Remarkably Conserved Anchor Residues. <i>Journal of Immunology</i> , <b>2020</b> , 205, 2861-2872	5.3	6
51	Mycobacterium tuberculosis clinical isolates of the Beijing and East-African Indian lineage induce fundamentally different host responses in mice compared to H37Rv. <i>Scientific Reports</i> , <b>2019</b> , 9, 19922	4.9	6
50	Interleukin-6 and Mycobacterium tuberculosis dormancy antigens improve diagnosis of tuberculosis. <i>Journal of Infection</i> , <b>2021</b> , 82, 245-252	18.9	6
49	Abnormalities suggestive of latent tuberculosis infection on chest radiography; how specific are they?. <i>Journal of Clinical Tuberculosis and Other Mycobacterial Diseases</i> , <b>2019</b> , 15, 100089	2.1	5
48	Radiological Signs of Latent Tuberculosis on Chest Radiography: A Systematic Review and Meta-Analysis. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6,	1	5
47	Two-Hit T-Cell Stimulation Detects Infection in QuantiFERON Negative Tuberculosis Patients and Healthy Contacts From Ghana. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1518	8.4	5
46	Presence of human T-cell responses to the Mycobacterium leprae 45-kilodalton antigen reflects infection with or exposure to M. leprae. <i>Vaccine Journal</i> , <b>2001</b> , 8, 604-11		5
45	Limitations of homology searching for identification of T-cell antigens with library derived mimicry epitopes. <i>Vaccine</i> , <b>1999</b> , 18, 204-8	4.1	5
44	Serum Biomarker Profile Including CCL1, CXCL10, VEGF, and Adenosine Deaminase Activity Distinguishes Active From Remotely Acquired Tuberculosis. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 725447	8.4	5
43	Identification of reduced host transcriptomic signatures for tuberculosis and digital PCR-based validation and quantification		5
42	Discriminative expression of whole blood genes in HIV patients with latent and active TB in Ethiopia. <i>Tuberculosis</i> , <b>2016</b> , 100, 25-31	2.6	5
41	Systemic and pulmonary C1q as biomarker of progressive disease in experimental non-human primate tuberculosis. <i>Scientific Reports</i> , <b>2020</b> , 10, 6290	4.9	5
40	Human CD4 and CD8 T Cell Responses to Mycobacterium tuberculosis: Antigen Specificity, Function, Implications and Applications <b>2017</b> , 119-155		4
39	Evidence for Highly Variable, Region-Specific Patterns of T-Cell Epitope Mutations Accumulating in Strains. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 195	8.4	4

38	TRANSVAC workshop on standardisation and harmonisation of analytical platforms for HIV, TB and malaria vaccines: How can big data help? <i>Vaccine</i> , <b>2014</b> , 32, 4365-4368	4.1	4
37	Evaluation of the high-pressure extrusion technique as a method for sizing plasmid DNA-containing cationic liposomes. <i>Journal of Liposome Research</i> , <b>2011</b> , 21, 286-95	6.1	4
36	HIV Skews a Balanced Mtb-Specific Th17 Response in Latent Tuberculosis Subjects to a Pro-inflammatory Profile Independent of Viral Load. <i>Cell Reports</i> , <b>2020</b> , 33, 108451	10.6	4
35	Identification of Reduced Host Transcriptomic Signatures for Tuberculosis Disease and Digital PCR-Based Validation and Quantification. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 637164	8.4	4
34	A Trial of M72/AS01E Vaccine to Prevent Tuberculosis. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 1576-1577	6.5	3
33	Significance of antigen and epitope specificity in tuberculosis. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 524	8.4	3
32	Repeatedly negative tuberculin skin tests followed by active tuberculosis in an immunocompetent individual. <i>Netherlands Journal of Medicine</i> , <b>2001</b> , 58, 76-81	0.5	3
31	Repurposing diphenylbutylpiperidine-class antipsychotic drugs for host-directed therapy of Mycobacterium tuberculosis and Salmonella enterica infections. <i>Scientific Reports</i> , <b>2021</b> , 11, 19634	4.9	3
30	Gene expression profiles classifying clinical stages of tuberculosis and monitoring treatment responses in Ethiopian HIV-negative and HIV-positive cohorts. <i>PLoS ONE</i> , <b>2019</b> , 14, e0226137	3.7	3
29	Host Blood RNA Transcript and Protein Signatures for Sputum-Independent Diagnostics of Tuberculosis in Adults. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 626049	8.4	3
28	Antibody Subclass and Glycosylation Shift Following Effective TB Treatment. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 679973	8.4	3
27	South Asian men have lower expression of IFN signalling genes in white adipose tissue and skeletal muscle compared with white men. <i>Diabetologia</i> , <b>2017</b> , 60, 2525-2528	10.3	2
26	Detection of Mycobacterium leprae infection employing a combinatorial approach of anti-45 kDa and modified anti-PGL-I antibody detection assays. <i>Journal of Medical Microbiology</i> , <b>2007</b> , 56, 1129-1130	3.2	2
25	Serological heterogeneity against various Mycobacterium leprae antigens and its use in serodiagnosis of leprosy patients. <i>Journal of Medical Microbiology</i> , <b>2007</b> , 56, 1259-1261	3.2	2
24	Pharmacological Poly (ADP-Ribose) Polymerase Inhibitors Decrease Survival in Human Macrophages.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 712021	8.4	2
23	Bioorthogonal Correlative Light-Electron Microscopy of in Macrophages Reveals the Effect of Antituberculosis Drugs on Subcellular Bacterial Distribution. <i>ACS Central Science</i> , <b>2020</b> , 6, 1997-2007	16.8	2
22	Tuberculosis causes highly conserved metabolic changes in human patients, mycobacteria-infected mice and zebrafish larvae. <i>Scientific Reports</i> , <b>2020</b> , 10, 11635	4.9	2
21	HIV-Infected Patients Developing Tuberculosis Disease Show Early Changes in the Immune Response to Novel Antigens. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 620622	8.4	2

20	In-vivo expressed Mycobacterium tuberculosis antigens recognised in three mouse strains after infection and BCG vaccination. <i>Npj Vaccines</i> , <b>2021</b> , 6, 81	9.5	2
19	Human Transcriptomic Response to the VSV-Vectored Ebola Vaccine. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	2
18	Machine Learning Algorithms Evaluate Immune Response to Novel Antigens for Diagnosis of Tuberculosis. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 594030	5.9	2
17	Assessment of Cross-Reactivity between Mycobacterium bovis and M. kansasii ESAT-6 and CFP-10 at the T-Cell Epitope Level. <i>Vaccine Journal</i> , <b>2007</b> , 14, 1536-1536		1
16	Effects of BCG vaccination on donor unrestricted T cells in two prospective cohort studies.. <i>EBioMedicine</i> , <b>2022</b> , 76, 103839	8.8	1
15	Lung epithelial cells interact with immune cells and bacteria to shape the microenvironment in tuberculosis.. <i>Thorax</i> , <b>2022</b> ,	7.3	1
14	An Internet-Based Psychological Intervention With a Serious Game to Improve Vitality, Psychological and Physical Condition, and Immune Function in Healthy Male Adults: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e14861	7.6	1
13	Allorecognition of artificial nerve guides filed with human Schwann cells: an in vitro pilot study. <i>Transplantation</i> , <b>2000</b> , 69, 455-6	1.8	1
12	Effects of BCG vaccination on donor unrestricted T cells in humans		1
11	Leprosy bacillus triggers the wrong cells. <i>International Journal of Leprosy and Other Mycobacterial Diseases</i> , <b>2005</b> , 73, 208-10		1
10	Stratification of COVID-19 patients based on quantitative immune-related gene expression in whole blood.. <i>Molecular Immunology</i> , <b>2022</b> , 145, 17-26	4.3	1
9	Quantitative Rapid Test for Detection and Monitoring of Active Pulmonary Tuberculosis in Nonhuman Primates.. <i>Biology</i> , <b>2021</b> , 10,	4.9	1
8	Single-Cell Mechanical Characterization of Human Macrophages. <i>Advanced NanoBiomed Research</i> , <b>2021</b> , 2100133		1
7	Pyruvate Dehydrogenase Kinase Inhibitor Dichloroacetate Improves Host Control of Serovar Typhimurium Infection in Human Macrophages. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 739938	8.4	0
6	The Transcriptomic Blueprint of in the Lung.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 763364	8.4	0
5	Defining Discriminatory Antibody Fingerprints in Active and Latent Tuberculosis.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 856906	8.4	0
4	Recombinant BCG-LTAK63 Vaccine Candidate for Tuberculosis Induces an Inflammatory Profile in Human Macrophages. <i>Vaccines</i> , <b>2022</b> , 10, 831	5.3	0
3	Transcriptomic signatures induced by the Ebola virus vaccine rVSV-ZEBOV-GP in adult cohorts in Europe, Africa, and North America: a molecular biomarker study.. <i>Lancet Microbe</i> , <b>2022</b> , 3, e113-e123 <sup>22,2</sup>		

- 2 Conventional and Unconventional Lymphocytes in Immunity Against Mycobacterium tuberculosis **2021**, 133-168

- 1 Trends in diagnostic methods and treatment of latent tuberculosis infection in a tertiary care center from 2000 to 2017. *European Journal of Clinical Microbiology and Infectious Diseases*, **2020**, 39, 1329-1337 53