

# Peter Andersen

## List of Publications by Citations

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323  
papers

22,533  
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80  
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136  
g-index

330  
ext. papers

25,406  
ext. citations

7.1  
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6.67  
L-index

#	Paper	IF	Citations
323	Multifunctional TH1 cells define a correlate of vaccine-mediated protection against <i>Leishmania major</i> . <i>Nature Medicine</i> , <b>2007</b> , 13, 843-50	50.5	1081
322	The success and failure of BCG - implications for a novel tuberculosis vaccine. <i>Nature Reviews Microbiology</i> , <b>2005</b> , 3, 656-62	22.2	531
321	Comparison of T-cell-based assay with tuberculin skin test for diagnosis of <i>Mycobacterium tuberculosis</i> infection in a school tuberculosis outbreak. <i>Lancet, The</i> , <b>2003</b> , 361, 1168-73	40	481
320	A multistage tuberculosis vaccine that confers efficient protection before and after exposure. <i>Nature Medicine</i> , <b>2011</b> , 17, 189-94	50.5	405
319	A <i>Mycobacterium tuberculosis</i> operon encoding ESAT-6 and a novel low-molecular-mass culture filtrate protein (CFP-10). <i>Microbiology (United Kingdom)</i> , <b>1998</b> , 144 ( Pt 11), 3195-3203	2.9	388
318	T cell response to <i>Mycobacterium tuberculosis</i> . <i>Journal of Infectious Diseases</i> , <b>1993</b> , 167, 1481-97	7	364
317	Cutting edge: Mincle is essential for recognition and adjuvanticity of the mycobacterial cord factor and its synthetic analog trehalose-dibehenate. <i>Journal of Immunology</i> , <b>2010</b> , 184, 2756-60	5.3	357
316	Failure of the <i>Mycobacterium bovis</i> BCG vaccine: some species of environmental mycobacteria block multiplication of BCG and induction of protective immunity to tuberculosis. <i>Infection and Immunity</i> , <b>2002</b> , 70, 672-8	3.7	343
315	Prevention of <i>M. tuberculosis</i> Infection with H4:IC31 Vaccine or BCG Revaccination. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 138-149	59.2	327
314	Tuberculosis subunit vaccination provides long-term protective immunity characterized by multifunctional CD4 memory T cells. <i>Journal of Immunology</i> , <b>2009</b> , 182, 8047-55	5.3	313
313	The Vaccine Adjuvant Chitosan Promotes Cellular Immunity via DNA Sensor cGAS-STING-Dependent Induction of Type I Interferons. <i>Immunity</i> , <b>2016</b> , 44, 597-608	32.3	307
312	ESAT-6 subunit vaccination against <i>Mycobacterium tuberculosis</i> . <i>Infection and Immunity</i> , <b>2000</b> , 68, 791-5	3.7	291
311	Protection of mice with a tuberculosis subunit vaccine based on a fusion protein of antigen 85b and <i>esat-6</i> . <i>Infection and Immunity</i> , <b>2001</b> , 69, 2773-8	3.7	287
310	Control of latent <i>Mycobacterium tuberculosis</i> infection is dependent on CD8 T cells. <i>European Journal of Immunology</i> , <b>2000</b> , 30, 3689-98	6.1	284
309	Comparison of tuberculin skin test and new specific blood test in tuberculosis contacts. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2004</b> , 170, 65-9	10.2	258
308	Human T cell responses to the ESAT-6 antigen from <i>Mycobacterium tuberculosis</i> . <i>Journal of Infectious Diseases</i> , <b>1999</b> , 179, 637-45	7	257
307	Diagnosis of tuberculosis based on the two specific antigens ESAT-6 and CFP10. <i>Vaccine Journal</i> , <b>2000</b> , 7, 155-60		256

306	Characterization of cationic liposomes based on dimethyldioctadecylammonium and synthetic cord factor from <i>M. tuberculosis</i> (trehalose 6,6Pdibehenate)-a novel adjuvant inducing both strong CMI and antibody responses. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2005</b> , 1718, 22-31	3.8	254
305	ESAT-6 proteins: protective antigens and virulence factors?. <i>Trends in Microbiology</i> , <b>2004</b> , 12, 500-8	12.4	247
304	Adjuvanticity of a synthetic cord factor analogue for subunit Mycobacterium tuberculosis vaccination requires FcRgamma-Syk-Card9-dependent innate immune activation. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 89-97	16.6	243
303	Comparative evaluation of low-molecular-mass proteins from Mycobacterium tuberculosis identifies members of the ESAT-6 family as immunodominant T-cell antigens. <i>Infection and Immunity</i> , <b>2000</b> , 68, 214-20	3.7	240
302	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
301	Cationic liposomes formulated with synthetic mycobacterial cordfactor (CAF01): a versatile adjuvant for vaccines with different immunological requirements. <i>PLoS ONE</i> , <b>2008</b> , 3, e3116	3.7	216
300	Transient facial nerve paralysis (Bell's palsy) following intranasal delivery of a genetically detoxified mutant of Escherichia coli heat labile toxin. <i>PLoS ONE</i> , <b>2009</b> , 4, e6999	3.7	211
299	Exchanging ESAT6 with TB10.4 in an Ag85B fusion molecule-based tuberculosis subunit vaccine: efficient protection and ESAT6-based sensitive monitoring of vaccine efficacy. <i>Journal of Immunology</i> , <b>2005</b> , 174, 6332-9	5.3	199
298	Protection of macaques against Mycobacterium tuberculosis infection by a subunit vaccine based on a fusion protein of antigen 85B and ESAT-6. <i>Vaccine</i> , <b>2005</b> , 23, 2740-50	4.1	196
297	Immune responses to the Mycobacterium tuberculosis-specific antigen ESAT-6 signal subclinical infection among contacts of tuberculosis patients. <i>Journal of Clinical Microbiology</i> , <b>2002</b> , 40, 704-6	9.7	189
296	The multistage vaccine H56 boosts the effects of BCG to protect cynomolgus macaques against active tuberculosis and reactivation of latent Mycobacterium tuberculosis infection. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 303-14	15.9	172
295	Protective effect of a tuberculosis subunit vaccine based on a fusion of antigen 85B and ESAT-6 in the aerosol guinea pig model. <i>Infection and Immunity</i> , <b>2004</b> , 72, 6148-50	3.7	167
294	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
293	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
292	Detection of active tuberculosis infection by T cell responses to early-secreted antigenic target 6-kDa protein and culture filtrate protein 10. <i>Journal of Infectious Diseases</i> , <b>2000</b> , 181, 1850-4	7	159
291	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
290	Hypoxic response of Mycobacterium tuberculosis studied by metabolic labeling and proteome analysis of cellular and extracellular proteins. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 3485-91	3.5	157
289	Mucosal administration of Ag85B-ESAT-6 protects against infection with Mycobacterium tuberculosis and boosts prior bacillus Calmette-Guerin immunity. <i>Journal of Immunology</i> , <b>2006</b> , 177, 6353-60	5.3	153

288	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
287	The potential of the ESAT-6 antigen secreted by virulent mycobacteria for specific diagnosis of tuberculosis. <i>Journal of Infectious Diseases</i> , <b>1997</b> , 175, 1251-4	7	152
286	The prognosis of latent tuberculosis: can disease be predicted?. <i>Trends in Molecular Medicine</i> , <b>2007</b> , 13, 175-82	11.5	152
285	Mapping and identification of Mycobacterium tuberculosis proteins by two-dimensional gel electrophoresis, microsequencing and immunodetection. <i>Electrophoresis</i> , <b>2000</b> , 21, 935-48	3.6	152
284	Healthy individuals that control a latent infection with Mycobacterium tuberculosis express high levels of Th1 cytokines and the IL-4 antagonist IL-4delta2. <i>Journal of Immunology</i> , <b>2004</b> , 172, 6938-43	5.3	149
283	Different human vaccine adjuvants promote distinct antigen-independent immunological signatures tailored to different pathogens. <i>Scientific Reports</i> , <b>2016</b> , 6, 19570	4.9	146
282	The adjuvant mechanism of cationic dimethyldioctadecylammonium liposomes. <i>Immunology</i> , <b>2007</b> , 121, 216-26	7.8	144
281	Liposomes based on dimethyldioctadecylammonium promote a depot effect and enhance immunogenicity of soluble antigen. <i>Journal of Controlled Release</i> , <b>2010</b> , 142, 180-6	11.7	142
280	Towards the proteome of Mycobacterium tuberculosis. <i>Electrophoresis</i> , <b>2000</b> , 21, 3740-56	3.6	141
279	Efficient protection against Mycobacterium tuberculosis by vaccination with a single subdominant epitope from the ESAT-6 antigen. <i>European Journal of Immunology</i> , <b>2000</b> , 30, 1724-32	6.1	140
278	Liposomal cationic charge and antigen adsorption are important properties for the efficient deposition of antigen at the injection site and ability of the vaccine to induce a CMI response. <i>Journal of Controlled Release</i> , <b>2010</b> , 145, 102-8	11.7	135
277	Evaluation of vaccines in the EU TB Vaccine Cluster using a guinea pig aerosol infection model of tuberculosis. <i>Tuberculosis</i> , <b>2005</b> , 85, 29-38	2.6	135
276	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
275	Prospective evaluation of a whole-blood test using Mycobacterium tuberculosis-specific antigens ESAT-6 and CFP-10 for diagnosis of active tuberculosis. <i>Vaccine Journal</i> , <b>2005</b> , 12, 491-6		133
274	Control of chronic mycobacterium tuberculosis infection by CD4 KLRG1- IL-2-secreting central memory cells. <i>Journal of Immunology</i> , <b>2013</b> , 190, 6311-9	5.3	130
273	Cationic liposomes as vaccine adjuvants. <i>Expert Review of Vaccines</i> , <b>2011</b> , 10, 513-21	5.2	126
272	Protection and polyfunctional T cells induced by Ag85B-TB10.4/IC31 against Mycobacterium tuberculosis is highly dependent on the antigen dose. <i>PLoS ONE</i> , <b>2009</b> , 4, e5930	3.7	125
271	TB vaccines: progress and problems. <i>Trends in Immunology</i> , <b>2001</b> , 22, 160-8	14.4	124

270	First-in-human trial of the post-exposure tuberculosis vaccine H56:IC31 in Mycobacterium tuberculosis infected and non-infected healthy adults. <i>Vaccine</i> , <b>2015</b> , 33, 4130-40	4.1	120
269	Differentiation between Mycobacterium bovis BCG-vaccinated and M. bovis-infected cattle by using recombinant mycobacterial antigens. <i>Vaccine Journal</i> , <b>1999</b> , 6, 1-5		117
268	Two-dimensional electrophoresis for analysis of Mycobacterium tuberculosis culture filtrate and purification and characterization of six novel proteins. <i>Infection and Immunity</i> , <b>1998</b> , 66, 3492-500	3.7	113
267	Cationic liposomes as vaccine adjuvants. <i>Expert Review of Vaccines</i> , <b>2007</b> , 6, 785-96	5.2	109
266	Association of tuberculin-boosted antibody responses with pathology and cell-mediated immunity in cattle vaccinated with Mycobacterium bovis BCG and infected with M. bovis. <i>Infection and Immunity</i> , <b>2004</b> , 72, 2462-7	3.7	109
265	Proteomic profiling of Mycobacterium tuberculosis identifies nutrient-starvation-responsive toxin-antitoxin systems. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 1180-91	7.6	105
264	Specific T-cell epitopes for immunoassay-based diagnosis of Mycobacterium tuberculosis infection. <i>Journal of Clinical Microbiology</i> , <b>2004</b> , 42, 2379-87	9.7	105
263	Liposomal vaccine delivery systems. <i>Expert Opinion on Drug Delivery</i> , <b>2011</b> , 8, 505-19	8	104
262	Protective immunity to tuberculosis with Ag85B-ESAT-6 in a synthetic cationic adjuvant system IC31. <i>Vaccine</i> , <b>2006</b> , 24, 5452-60	4.1	104
261	Novel vaccination strategies against tuberculosis. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2014</b> , 4,	5.4	103
260	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
259	Vaccine-induced th17 cells are maintained long-term postvaccination as a distinct and phenotypically stable memory subset. <i>Infection and Immunity</i> , <b>2012</b> , 80, 3533-44	3.7	102
258	Tuberculosis in elephants: antibody responses to defined antigens of Mycobacterium tuberculosis, potential for early diagnosis, and monitoring of treatment. <i>Vaccine Journal</i> , <b>2006</b> , 13, 722-32		102
257	PPE protein (Rv3873) from DNA segment RD1 of Mycobacterium tuberculosis: strong recognition of both specific T-cell epitopes and epitopes conserved within the PPE family. <i>Infection and Immunity</i> , <b>2003</b> , 71, 6116-23	3.7	100
256	Antigen Availability Shapes T Cell Differentiation and Function during Tuberculosis. <i>Cell Host and Microbe</i> , <b>2017</b> , 21, 695-706.e5	23.4	98
255	Tuberculosis vaccines--rethinking the current paradigm. <i>Trends in Immunology</i> , <b>2014</b> , 35, 387-95	14.4	92
254	Vaccine strategies against latent tuberculosis infection. <i>Trends in Microbiology</i> , <b>2007</b> , 15, 7-13	12.4	90
253	Oral vaccination with subunit vaccines protects animals against aerosol infection with Mycobacterium tuberculosis. <i>Infection and Immunity</i> , <b>2002</b> , 70, 3111-21	3.7	90

252	Liposome-based cationic adjuvant formulations (CAF): past, present, and future. <i>Journal of Liposome Research</i> , <b>2009</b> , 19, 2-11	6.1	88
251	Interleukin-6 and interleukin-12 participate in induction of a type 1 protective T-cell response during vaccination with a tuberculosis subunit vaccine. <i>Infection and Immunity</i> , <b>1999</b> , 67, 5747-54	3.7	88
250	Tuberculosis contacts but not patients have higher gamma interferon responses to ESAT-6 than do community controls in The Gambia. <i>Infection and Immunity</i> , <b>2001</b> , 69, 6554-7	3.7	87
249	Vaccines for tuberculosis: novel concepts and recent progress. <i>Clinical Microbiology Reviews</i> , <b>2005</b> , 18, 687-702	34	85
248	Delayed-type hypersensitivity responses to ESAT-6 and MPT64 from Mycobacterium tuberculosis in the guinea pig. <i>Infection and Immunity</i> , <b>1998</b> , 66, 3454-6	3.7	85
247	CD4(+) T-cell subsets that mediate immunological memory to Mycobacterium tuberculosis infection in mice. <i>Infection and Immunity</i> , <b>2000</b> , 68, 621-9	3.7	84
246	Assessing the serodiagnostic potential of 35 Mycobacterium tuberculosis proteins and identification of four novel serological antigens. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 57-65	9.7	83
245	Potential role for ESAT6 in dissemination of M. tuberculosis via human lung epithelial cells. <i>Molecular Microbiology</i> , <b>2010</b> , 75, 92-106	4.1	82
244	Comparison of the depot effect and immunogenicity of liposomes based on dimethyldioctadecylammonium (DDA), 3[ <i>N</i> -( <i>N,N</i> -dimethylaminoethane)carbonyl] cholesterol (DC-Chol), and 1,2-Dioleoyl-3-trimethylammonium propane (DOTAP): prolonged liposome retention mediates stronger Th1 responses. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 153-61	5.6	80
243	B-cell epitopes and quantification of the ESAT-6 protein of Mycobacterium tuberculosis. <i>Infection and Immunity</i> , <b>1998</b> , 66, 717-23	3.7	80
242	Improved serodetection of Mycobacterium bovis infection in badgers (Meles meles) using multiantigen test formats. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2003</b> , 46, 197-203	2.9	79
241	A cationic vaccine adjuvant based on a saturated quaternary ammonium lipid have different in vivo distribution kinetics and display a distinct CD4 T cell-inducing capacity compared to its unsaturated analog. <i>Journal of Controlled Release</i> , <b>2012</b> , 160, 468-76	11.7	78
240	Induction of CD8 T cells against a novel epitope in TB10.4: correlation with mycobacterial virulence and the presence of a functional region of difference-1. <i>Journal of Immunology</i> , <b>2007</b> , 179, 3973-81	5.3	78
239	Protection Against Chlamydia trachomatis Infection and Upper Genital Tract Pathological Changes by Vaccine-Promoted Neutralizing Antibodies Directed to the VD4 of the Major Outer Membrane Protein. <i>Journal of Infectious Diseases</i> , <b>2015</b> , 212, 978-89	7	76
238	A liposome-based mycobacterial vaccine induces potent adult and neonatal multifunctional T cells through the exquisite targeting of dendritic cells. <i>PLoS ONE</i> , <b>2009</b> , 4, e5771	3.7	76
237	Induction of CD8+ T-cell responses against subunit antigens by the novel cationic liposomal CAF09 adjuvant. <i>Vaccine</i> , <b>2014</b> , 32, 3927-35	4.1	74
236	Immunity by formulation design: induction of high CD8+ T-cell responses by poly(I:C) incorporated into the CAF01 adjuvant via a double emulsion method. <i>Journal of Controlled Release</i> , <b>2011</b> , 150, 307-17	11.7	74
235	Quality and vaccine efficacy of CD4+ T cell responses directed to dominant and subdominant epitopes in ESAT-6 from Mycobacterium tuberculosis. <i>Journal of Immunology</i> , <b>2009</b> , 183, 2659-68	5.3	73

234	Characterization of a Mycobacterium tuberculosis peptide that is recognized by human CD4+ and CD8+ T cells in the context of multiple HLA alleles. <i>Journal of Immunology</i> , <b>2004</b> , 173, 1966-77	5.3	73
233	CFP10 discriminates between nonacetylated and acetylated ESAT-6 of Mycobacterium tuberculosis by differential interaction. <i>Proteomics</i> , <b>2004</b> , 4, 2954-60	4.8	73
232	Cationic liposomes containing mycobacterial lipids: a new powerful Th1 adjuvant system. <i>Infection and Immunity</i> , <b>2005</b> , 73, 5817-26	3.7	72
231	ESAT-6 (EsxA) and TB10.4 (EsxH) based vaccines for pre- and post-exposure tuberculosis vaccination. <i>PLoS ONE</i> , <b>2013</b> , 8, e80579	3.7	72
230	T-helper 1 and T-helper 2 adjuvants induce distinct differences in the magnitude, quality and kinetics of the early inflammatory response at the site of injection. <i>Immunology</i> , <b>2010</b> , 129, 75-86	7.8	71
229	Use of ESAT-6 in the interferon-gamma test for diagnosis of bovine tuberculosis following skin testing. <i>Veterinary Microbiology</i> , <b>2001</b> , 80, 37-46	3.3	69
228	Liposome delivery of Chlamydia muridarum major outer membrane protein primes a Th1 response that protects against genital chlamydial infection in a mouse model. <i>Journal of Infectious Diseases</i> , <b>2008</b> , 198, 758-67	7	67
227	Trehalose preserves DDA/TDB liposomes and their adjuvant effect during freeze-drying. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 2120-9	3.8	67
226	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
225	The T cell response to secreted antigens of Mycobacterium tuberculosis. <i>Immunobiology</i> , <b>1994</b> , 191, 537-47	3.7	66
224	The combined CTA1-DD/ISCOMs vector is an effective intranasal adjuvant for boosting prior Mycobacterium bovis BCG immunity to Mycobacterium tuberculosis. <i>Infection and Immunity</i> , <b>2007</b> , 75, 408-16	3.7	64
223	Moving tuberculosis vaccines from theory to practice. <i>Nature Reviews Immunology</i> , <b>2019</b> , 19, 550-562	36.5	63
222	A comparative study of cationic liposome and niosome-based adjuvant systems for protein subunit vaccines: characterisation, environmental scanning electron microscopy and immunisation studies in mice. <i>Journal of Pharmacy and Pharmacology</i> , <b>2006</b> , 58, 787-99	4.8	62
221	Alteration of epitope recognition pattern in Ag85B and ESAT-6 has a profound influence on vaccine-induced protection against Mycobacterium tuberculosis. <i>European Journal of Immunology</i> , <b>2006</b> , 36, 3346-55	6.1	62
220	Synchronization of dendritic cell activation and antigen exposure is required for the induction of Th1/Th17 responses. <i>Journal of Immunology</i> , <b>2012</b> , 188, 4828-37	5.3	61
219	Human CD8(+) T cells specific for Mycobacterium tuberculosis secreted antigens in tuberculosis patients and healthy BCG-vaccinated controls in The Gambia. <i>Infection and Immunity</i> , <b>2000</b> , 68, 7144-8	3.7	61
218	Protective efficacy against tuberculosis of ESAT-6 secreted by a live Salmonella typhimurium vaccine carrier strain and expressed by naked DNA. <i>Vaccine</i> , <b>2001</b> , 19, 4028-35	4.1	61
217	Cellular immune responses to ESAT-6 discriminate between patients with pulmonary disease due to Mycobacterium avium complex and those with pulmonary disease due to Mycobacterium tuberculosis. <i>Vaccine Journal</i> , <b>1999</b> , 6, 606-9		61

216	Engineering of a novel adjuvant based on lipid-polymer hybrid nanoparticles: A quality-by-design approach. <i>Journal of Controlled Release</i> , <b>2015</b> , 210, 48-57	11.7	60
215	TB vaccines: current status and future perspectives. <i>Immunology and Cell Biology</i> , <b>2009</b> , 87, 279-86	5	60
214	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
213	Identification and characterization of a 29-kilodalton protein from Mycobacterium tuberculosis culture filtrate recognized by mouse memory effector cells. <i>Infection and Immunity</i> , <b>1998</b> , 66, 2728-35	3.7	59
212	Adjuvant modulation of the cytokine balance in Mycobacterium tuberculosis subunit vaccines; immunity, pathology and protection. <i>Immunology</i> , <b>2008</b> , 124, 175-85	7.8	58
211	PrimaTB STAT-PAK assay, a novel, rapid lateral-flow test for tuberculosis in nonhuman primates. <i>Vaccine Journal</i> , <b>2007</b> , 14, 1158-64		58
210	Failure to induce enhanced protection against tuberculosis by increasing T-cell-dependent interferon-gamma generation. <i>Immunology</i> , <b>2001</b> , 104, 157-61	7.8	58
209	The tuberculosis vaccine H4:IC31 is safe and induces a persistent polyfunctional CD4 T cell response in South African adults: A randomized controlled trial. <i>Vaccine</i> , <b>2015</b> , 33, 3592-9	4.1	57
208	Simultaneous electroelution of whole SDS-polyacrylamide gels for the direct cellular analysis of complex protein mixtures. <i>Journal of Immunological Methods</i> , <b>1993</b> , 161, 29-39	2.5	57
207	PLGA microspheres for the delivery of a novel subunit TB vaccine. <i>Journal of Drug Targeting</i> , <b>2008</b> , 16, 282-93	5.4	55
206	Diagnosis of latent Mycobacterium tuberculosis infection: is the demise of the Mantoux test imminent?. <i>Expert Review of Anti-Infective Therapy</i> , <b>2005</b> , 3, 981-93	5.5	55
205	CD4 and CD8 T cell responses to the M. tuberculosis Ag85B-TB10.4 promoted by adjuvanted subunit, adenovector or heterologous prime boost vaccination. <i>PLoS ONE</i> , <b>2009</b> , 4, e5139	3.7	55
204	Comparative analysis of different vaccine constructs expressing defined antigens from Mycobacterium tuberculosis. <i>Journal of Infectious Diseases</i> , <b>2004</b> , 190, 2146-53	7	54
203	T-cell recognition of Mycobacterium tuberculosis culture filtrate fractions in tuberculosis patients and their household contacts. <i>Infection and Immunity</i> , <b>1999</b> , 67, 5967-71	3.7	54
202	Protective CD4 T cells targeting cryptic epitopes of Mycobacterium tuberculosis resist infection-driven terminal differentiation. <i>Journal of Immunology</i> , <b>2014</b> , 192, 3247-58	5.3	53
201	Chlamydia muridarum T cell antigens and adjuvants that induce protective immunity in mice. <i>Infection and Immunity</i> , <b>2012</b> , 80, 1510-8	3.7	53
200	Mapping immune reactivity toward Rv2653 and Rv2654: two novel low-molecular-mass antigens found specifically in the Mycobacterium tuberculosis complex. <i>Journal of Infectious Diseases</i> , <b>2004</b> , 189, 812-9	7	53
199	Responses of bovine WC1(+) gammadelta T cells to protein and nonprotein antigens of Mycobacterium bovis. <i>Infection and Immunity</i> , <b>2002</b> , 70, 6114-20	3.7	53



198	Evaluation of Mycobacterium tuberculosis--specific antibody responses in populations with different levels of exposure from Tanzania, Ethiopia, Brazil, and Denmark. <i>Clinical Infectious Diseases</i> , <b>2007</b> , 45, 575-82	11.6	52
197	Development and preclinical safety evaluation of a new therapeutic HIV-1 vaccine based on 18 T-cell minimal epitope peptides applying a novel cationic adjuvant CAF01. <i>Vaccine</i> , <b>2011</b> , 29, 7067-74	4.1	51
196	Long-lived immune response to early secretory antigenic target 6 in individuals who had recovered from tuberculosis. <i>Clinical Infectious Diseases</i> , <b>2001</b> , 33, 1336-40	11.6	51
195	Safety and efficacy of the C-Tb skin test to diagnose Mycobacterium tuberculosis infection, compared with an interferon $\gamma$ release assay and the tuberculin skin test: a phase 3, double-blind, randomised, controlled trial. <i>Lancet Respiratory Medicine</i> , <b>2017</b> , 5, 259-268	35.1	50
194	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
193	Adult-like anti-mycobacterial T cell and in vivo dendritic cell responses following neonatal immunization with Ag85B-ESAT-6 in the IC31 adjuvant. <i>PLoS ONE</i> , <b>2008</b> , 3, e3683	3.7	50
192	Higher human CD4 T cell response to novel Mycobacterium tuberculosis latency associated antigens Rv2660 and Rv2659 in latent infection compared with tuberculosis disease. <i>Vaccine</i> , <b>2010</b> , 29, 51-7	4.1	49
191	Non-clinical efficacy and safety of HyVac4:IC31 vaccine administered in a BCG prime-boost regimen. <i>Vaccine</i> , <b>2010</b> , 28, 1084-93	4.1	49
190	Synergistic effect of bacillus calmette guerin and a tuberculosis subunit vaccine in cationic liposomes: increased immunogenicity and protection. <i>Journal of Immunology</i> , <b>2007</b> , 178, 3721-30	5.3	49
189	Protein-protein interactions of proteins from the ESAT-6 family of Mycobacterium tuberculosis. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 2487-91	3.5	49
188	Safety and immunogenicity of the chlamydia vaccine candidate CTH522 adjuvanted with CAF01 liposomes or aluminium hydroxide: a first-in-human, randomised, double-blind, placebo-controlled, phase 1 trial. <i>Lancet Infectious Diseases</i> , <b>2019</b> , 19, 1091-1100	25.5	48
187	Reactivation of tuberculosis during immunosuppressive treatment in a patient with a positive QuantiFERON-RD1 test. <i>Scandinavian Journal of Infectious Diseases</i> , <b>2004</b> , 36, 499-501		47
186	TB subunit vaccines--putting the pieces together. <i>Microbes and Infection</i> , <b>2005</b> , 7, 911-21	9.3	47
185	Effect of sample handling on analysis of cytokine responses to Mycobacterium tuberculosis in clinical samples using ELISA, ELISPOT and quantitative PCR. <i>Journal of Immunological Methods</i> , <b>2005</b> , 298, 129-41	2.5	47
184	Detecting a low prevalence of latent tuberculosis among health care workers in Denmark detected by M. tuberculosis specific IFN-gamma whole-blood test. <i>Scandinavian Journal of Infectious Diseases</i> , <b>2007</b> , 39, 554-9		46
183	Modulation of Primary Immune Response by Different Vaccine Adjuvants. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 427	8.4	46
182	Age-Specific Adjuvant Synergy: Dual TLR7/8 and Mincle Activation of Human Newborn Dendritic Cells Enables Th1 Polarization. <i>Journal of Immunology</i> , <b>2016</b> , 197, 4413-4424	5.3	45
181	Enhanced humoral and cell-mediated immune responses after immunization with trivalent influenza vaccine adjuvanted with cationic liposomes. <i>Vaccine</i> , <b>2011</b> , 29, 6283-91	4.1	45

180	Ex vivo cytokine mRNA levels correlate with changing clinical status of ethiopian TB patients and their contacts over time. <i>PLoS ONE</i> , <b>2008</b> , 3, e1522	3.7	45
179	Genomic approach to identification of <i>Mycobacterium bovis</i> diagnostic antigens in cattle. <i>Journal of Clinical Microbiology</i> , <b>2003</b> , 41, 3719-28	9.7	45
178	The administration route is decisive for the ability of the vaccine adjuvant CAF09 to induce antigen-specific CD8(+) T-cell responses: The immunological consequences of the biodistribution profile. <i>Journal of Controlled Release</i> , <b>2016</b> , 239, 107-17	11.7	44
177	CAF01 liposomes as a mucosal vaccine adjuvant: In vitro and in vivo investigations. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 390, 19-24	6.5	44
176	Protection against Chlamydia promoted by a subunit vaccine (CTH1) compared with a primary intranasal infection in a mouse genital challenge model. <i>PLoS ONE</i> , <b>2010</b> , 5, e10768	3.7	44
175	Safety and immunogenicity of H1/IC31□, an adjuvanted TB subunit vaccine, in HIV-infected adults with CD4+ lymphocyte counts greater than 350 cells/mm <sup>3</sup> : a phase II, multi-centre, double-blind, randomized, placebo-controlled trial. <i>PLoS ONE</i> , <b>2014</b> , 9, e114602	3.7	44
174	Dose Optimization of H56:IC31 Vaccine for Tuberculosis-Endemic Populations. A Double-Blind, Placebo-controlled, Dose-Selection Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 199, 220-231	10.2	43
173	A simple mycobacterial monomycolated glycerol lipid has potent immunostimulatory activity. <i>Journal of Immunology</i> , <b>2009</b> , 182, 424-32	5.3	43
172	Isolation of <i>Mycobacterium avium</i> subspecies paratuberculosis reactive CD4 T cells from intestinal biopsies of Crohn's disease patients. <i>PLoS ONE</i> , <b>2009</b> , 4, e5641	3.7	42
171	Protective anti-mycobacterial T cell responses through exquisite in vivo activation of vaccine-targeted dendritic cells. <i>European Journal of Immunology</i> , <b>2008</b> , 38, 1247-56	6.1	42
170	Concurrent infection with <i>Mycobacterium tuberculosis</i> confers robust protection against secondary infection in macaques. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007305	7.6	42
169	Intramuscular Priming and Intranasal Boosting Induce Strong Genital Immunity Through Secretory IgA in Minipigs Infected with <i>Chlamydia trachomatis</i> . <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 628	8.4	41
168	Incorporation of the TLR4 agonist monophosphoryl lipid A into the bilayer of DDA/TDB liposomes: physico-chemical characterization and induction of CD8+ T-cell responses in vivo. <i>Pharmaceutical Research</i> , <b>2011</b> , 28, 553-62	4.5	41
167	Double-blind randomized Phase I study comparing rESAT-6 to tuberculin as skin test reagent in the diagnosis of tuberculosis infection. <i>Tuberculosis</i> , <b>2008</b> , 88, 249-61	2.6	41
166	ESAT-6 and CFP-10 in clinical versus environmental isolates of <i>Mycobacterium kansasii</i> . <i>Journal of Infectious Diseases</i> , <b>2005</b> , 191, 1301-10	7	41
165	TB diagnosis in non-human primates: comparison of two interferon-gamma assays and the skin test for identification of <i>Mycobacterium tuberculosis</i> infection. <i>Veterinary Immunology and Immunopathology</i> , <b>2004</b> , 100, 61-71	2	40
164	Therapeutic vaccination using cationic liposome-adjuvanted HIV type 1 peptides representing HLA-supertype-restricted subdominant T cell epitopes: safety, immunogenicity, and feasibility in Guinea-Bissau. <i>AIDS Research and Human Retroviruses</i> , <b>2013</b> , 29, 1504-12	1.6	38
163	CD4 and CD8 T-cell responses to mycobacterial antigens in African children. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 120-9	10.2	38

162	Low Antigen Dose in Adjuvant-Based Vaccination Selectively Induces CD4 T Cells with Enhanced Functional Avidity and Protective Efficacy. <i>Journal of Immunology</i> , <b>2017</b> , 198, 3494-3506	5.3	37
161	Tuberculosis vaccine with high predicted population coverage and compatibility with modern diagnostics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1096-101	11.5	37
160	Deciphering the proteome of the in vivo diagnostic reagent "purified protein derivative" from <i>Mycobacterium tuberculosis</i> . <i>Proteomics</i> , <b>2012</b> , 12, 979-91	4.8	37
159	A novel liposome-based adjuvant CAF01 for induction of CD8(+) cytotoxic T-lymphocytes (CTL) to HIV-1 minimal CTL peptides in HLA-A*0201 transgenic mice. <i>PLoS ONE</i> , <b>2009</b> , 4, e6950	3.7	37
158	A multi-subunit Chlamydia vaccine inducing neutralizing antibodies and strong IFN- $\gamma$ CMI responses protects against a genital infection in minipigs. <i>Immunology and Cell Biology</i> , <b>2016</b> , 94, 185-95 <sup>5</sup>		36
157	Modulation of cell death by <i>M. tuberculosis</i> as a strategy for pathogen survival. <i>Clinical and Developmental Immunology</i> , <b>2011</b> , 2011, 678570		36
156	Comparative Systems Analyses Reveal Molecular Signatures of Clinically tested Vaccine Adjuvants. <i>Scientific Reports</i> , <b>2016</b> , 6, 39097	4.9	36
155	Sensitivity of C-Tb: a novel RD-1-specific skin test for the diagnosis of tuberculosis infection. <i>European Respiratory Journal</i> , <b>2016</b> , 47, 919-28	13.6	35
154	alpha,alphaTrehalose 6,6Pdibehenate in non-phospholipid-based liposomes enables direct interaction with trehalose, offering stability during freeze-drying. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2008</b> , 1778, 1365-73	3.8	35
153	A strong adjuvant based on glycol-chitosan-coated lipid-polymer hybrid nanoparticles potentiates mucosal immune responses against the recombinant Chlamydia trachomatis fusion antigen CTH522. <i>Journal of Controlled Release</i> , <b>2018</b> , 271, 88-97	11.7	35
152	A structurally informed autotransporter platform for efficient heterologous protein secretion and display. <i>Microbial Cell Factories</i> , <b>2012</b> , 11, 85	6.4	34
151	Primary activation of antigen-specific naive CD4+ and CD8+ T cells following intranasal vaccination with recombinant bacteria. <i>Infection and Immunity</i> , <b>2008</b> , 76, 5817-25	3.7	34
150	Antigenic profiling of a Chlamydia trachomatis gene-expression library. <i>Journal of Infectious Diseases</i> , <b>2008</b> , 197, 897-905	7	34
149	The 6-kilodalton early secreted antigenic target-responsive, asymptomatic contacts of tuberculosis patients express elevated levels of interleukin-4 and reduced levels of gamma interferon. <i>Infection and Immunity</i> , <b>2006</b> , 74, 2817-22	3.7	34
148	Cytokine profiles in tuberculosis patients and healthy subjects in response to complex and single antigens of <i>Mycobacterium tuberculosis</i> . <i>FEMS Immunology and Medical Microbiology</i> , <b>2006</b> , 47, 254-61		34
147	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
146	Novel generation mycobacterial adjuvant based on liposome-encapsulated monomycoloyl glycerol from <i>Mycobacterium bovis</i> bacillus Calmette-Guérin. <i>Journal of Immunology</i> , <b>2009</b> , 183, 2294-302	5.3	33
145	Immune responses to ESAT-6 and CFP-10 by FASCIA and multiplex technology for diagnosis of <i>M. tuberculosis</i> infection; IP-10 is a promising marker. <i>PLoS ONE</i> , <b>2012</b> , 7, e43438	3.7	33

144	Designing CAF-adjuvanted dry powder vaccines: spray drying preserves the adjuvant activity of CAF01. <i>Journal of Controlled Release</i> , <b>2013</b> , 167, 256-64	11.7	32
143	CAF05: cationic liposomes that incorporate synthetic cord factor and poly(I:C) induce CTL immunity and reduce tumor burden in mice. <i>Cancer Immunology, Immunotherapy</i> , <b>2012</b> , 61, 893-903	7.4	32
142	Adjuvanted HLA-supertype restricted subdominant peptides induce new T-cell immunity during untreated HIV-1-infection. <i>Clinical Immunology</i> , <b>2013</b> , 146, 120-30	9	32
141	Randomised clinical trial investigating the specificity of a novel skin test (C-Tb) for diagnosis of M. tuberculosis infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e64215	3.7	32
140	Gamma interferon responses induced by a panel of recombinant and purified mycobacterial antigens in healthy, non-mycobacterium bovis BCG-vaccinated Malawian young adults. <i>Vaccine Journal</i> , <b>2003</b> , 10, 602-11		32
139	Adaptive Immunity against Streptococcus pyogenes in Adults Involves Increased IFN- $\gamma$ and IgG3 Responses Compared with Children. <i>Journal of Immunology</i> , <b>2015</b> , 195, 1657-64	5.3	31
138	Prospects for a novel vaccine against tuberculosis. <i>Veterinary Microbiology</i> , <b>2006</b> , 112, 163-9	3.3	31
137	High-frequency vaccine-induced CD8+ T cells specific for an epitope naturally processed during infection with Mycobacterium tuberculosis do not confer protection. <i>European Journal of Immunology</i> , <b>2014</b> , 44, 1699-709	6.1	30
136	An autotransporter display platform for the development of multivalent recombinant bacterial vector vaccines. <i>Microbial Cell Factories</i> , <b>2014</b> , 13, 162	6.4	30
135	Increased immunogenicity and protective efficacy of influenza M2e fused to a tetramerizing protein. <i>PLoS ONE</i> , <b>2012</b> , 7, e46395	3.7	30
134	Immunocorrelates of CAF family adjuvants. <i>Seminars in Immunology</i> , <b>2018</b> , 39, 4-13	10.7	30
133	Immunological evaluation of novel Mycobacterium tuberculosis culture filtrate proteins. <i>FEMS Immunology and Medical Microbiology</i> , <b>1999</b> , 23, 159-64		29
132	Maternal Antibodies Inhibit Neonatal and Infant Responses to Vaccination by Shaping the Early-Life B Cell Repertoire within Germinal Centers. <i>Cell Reports</i> , <b>2019</b> , 28, 1773-1784.e5	10.6	28
131	Identification of Rv0222 from RD4 as a novel serodiagnostic target for tuberculosis. <i>Tuberculosis</i> , <b>2008</b> , 88, 335-43	2.6	28
130	Anti-tumoral effect of active immunotherapy in C57BL/6 mice using a recombinant human VEGF protein as antigen and three chemically unrelated adjuvants. <i>Angiogenesis</i> , <b>2008</b> , 11, 381-93	10.6	28
129	Boosting BCG with proteins or rAd5 does not enhance protection against tuberculosis in rhesus macaques. <i>Npj Vaccines</i> , <b>2019</b> , 4, 21	9.5	27
128	Inducing dose sparing with inactivated polio virus formulated in adjuvant CAF01. <i>PLoS ONE</i> , <b>2014</b> , 9, e100879	9.7	27
127	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

126	Testing the H56 Vaccine Delivered in 4 Different Adjuvants as a BCG-Booster in a Non-Human Primate Model of Tuberculosis. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161217	3.7	27
125	Simultaneous Subcutaneous and Intranasal Administration of a CAF01-Adjuvanted Vaccine Elicits Elevated IgA and Protective Th1/Th17 Responses in the Genital Tract. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 569	8.4	26
124	TB vaccine strategies--what is needed to solve a complex problem?. <i>Tuberculosis</i> , <b>2006</b> , 86, 163-8	2.6	26
123	Analysis of protein species differentiation among mycobacterial low-Mr-secreted proteins by narrow pH range Immobililine gel 2-DE-MALDI-MS. <i>Journal of Proteomics</i> , <b>2014</b> , 97, 235-44	3.9	25
122	Liposomes act as stronger sub-unit vaccine adjuvants when compared to microspheres. <i>Journal of Drug Targeting</i> , <b>2008</b> , 16, 543-54	5.4	25
121	ESAT-6/CFP10 skin test predicts disease in M. tuberculosis-infected guinea pigs. <i>PLoS ONE</i> , <b>2008</b> , 3, e19787	3.7	25
120	Tuberculosis vaccine development. <i>Current Opinion in Pulmonary Medicine</i> , <b>2002</b> , 8, 183-7	3	25
119	TB vaccines; promoting rapid and durable protection in the lung. <i>Current Opinion in Immunology</i> , <b>2015</b> , 35, 55-62	7.8	24
118	Protective Effect of Vaccine Promoted Neutralizing Antibodies against the Intracellular Pathogen. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1652	8.4	24
117	Characterization of the Antigen-Specific CD4(+) T Cell Response Induced by Prime-Boost Strategies with CAF01 and CpG Adjuvants Administered by the Intranasal and Subcutaneous Routes. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 430	8.4	24
116	Vaccinia expression of Mycobacterium tuberculosis-secreted proteins: tissue plasminogen activator signal sequence enhances expression and immunogenicity of M. tuberculosis Ag85. <i>Microbes and Infection</i> , <b>2000</b> , 2, 1677-85	9.3	24
115	Comparing adjuvanted H28 and modified vaccinia virus ankara expressing H28 in a mouse and a non-human primate tuberculosis model. <i>PLoS ONE</i> , <b>2013</b> , 8, e72185	3.7	24
114	Mucosal boosting of H56:CAF01 immunization promotes lung-localized T cells and an accelerated pulmonary response to Mycobacterium tuberculosis infection without enhancing vaccine protection. <i>Mucosal Immunology</i> , <b>2019</b> , 12, 816-826	9.2	24
113	T Cells Primed by Live Mycobacteria Versus a Tuberculosis Subunit Vaccine Exhibit Distinct Functional Properties. <i>EBioMedicine</i> , <b>2018</b> , 27, 27-39	8.8	23
112	Characterisation of a live Salmonella vaccine stably expressing the Mycobacterium tuberculosis Ag85B-ESAT6 fusion protein. <i>Vaccine</i> , <b>2009</b> , 27, 6894-904	4.1	23
111	First-in-man open clinical trial of a combined rESAT-6 and rCFP-10 tuberculosis specific skin test reagent. <i>PLoS ONE</i> , <b>2010</b> , 5, e11277	3.7	23
110	CAF01 potentiates immune responses and efficacy of an inactivated influenza vaccine in ferrets. <i>PLoS ONE</i> , <b>2011</b> , 6, e22891	3.7	23
109	Protein energy malnutrition during vaccination has limited influence on vaccine efficacy but abolishes immunity if administered during Mycobacterium tuberculosis infection. <i>Infection and Immunity</i> , <b>2015</b> , 83, 2118-26	3.7	22

108	High Antigen Dose Is Detrimental to Post-Exposure Vaccine Protection against Tuberculosis. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1973	8.4	22
107	Overcoming the Neonatal Limitations of Inducing Germinal Centers through Liposome-Based Adjuvants Including C-Type Lectin Agonists Trehalose Dibehenate or Curdlan. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 381	8.4	22
106	Robust antibody and CD8 T-cell responses induced by CSP adsorbed to cationic liposomal adjuvant CAF09 confer sterilizing immunity against experimental rodent malaria infection. <i>Npj Vaccines</i> , <b>2017</b> , 2,	9.5	22
105	H1:IC31 vaccination is safe and induces long-lived TNF-IL-2CD4 T cell responses in M. tuberculosis infected and uninfected adolescents: A randomized trial. <i>Vaccine</i> , <b>2017</b> , 35, 132-141	4.1	22
104	C-Tb skin test to diagnose Mycobacterium tuberculosis infection in children and HIV-infected adults: A phase 3 trial. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204554	3.7	22
103	Distinct differences in the expansion and phenotype of TB10.4 specific CD8 and CD4 T cells after infection with Mycobacterium tuberculosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e5928	3.7	21
102	Identification of CT521 as a frequent target of Th1 cells in patients with urogenital Chlamydia trachomatis infection. <i>Journal of Infectious Diseases</i> , <b>2006</b> , 194, 1258-66	7	21
101	Expression of apoptosis-related genes in an Ethiopian cohort study correlates with tuberculosis clinical status. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 291-301	6.1	20
100	Immunological requirements for a subunit vaccine against tuberculosis. <i>Immunology and Cell Biology</i> , <b>1997</b> , 75, 595-603	5	20
99	Interleukin-6 regulates the phenotype of the immune response to a tuberculosis subunit vaccine. <i>Immunology</i> , <b>2001</b> , 103, 375-81	7.8	20
98	Differential T-cell recognition of native and recombinant Mycobacterium tuberculosis GroES. <i>Infection and Immunity</i> , <b>1999</b> , 67, 5552-8	3.7	20
97	Diagnostic Performance of Tuberculosis-Specific IgG Antibody Profiles in Patients with Presumptive Tuberculosis from Two Continents. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 64, 947-955	11.6	19
96	Immunological and physical evaluation of the multistage tuberculosis subunit vaccine candidate H56/CAF01 formulated as a spray-dried powder. <i>Vaccine</i> , <b>2018</b> , 36, 3331-3339	4.1	19
95	The Effect of Mycobacterium avium Complex Infections on Routine Mycobacterium bovis Diagnostic Tests. <i>Veterinary Medicine International</i> , <b>2011</b> , 2011, 145092	1.5	19
94	Validation of the ALS assay in adult patients with culture confirmed pulmonary tuberculosis. <i>PLoS ONE</i> , <b>2011</b> , 6, e16425	3.7	19
93	Adjuvant properties of a simplified C32 monomycolyl glycerol analogue. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 2029-32	2.9	19
92	Introducing the ESAT-6 free IGRA, a companion diagnostic for TB vaccines based on ESAT-6. <i>Scientific Reports</i> , <b>2017</b> , 7, 45969	4.9	18
91	Transcriptomics of the Vaccine Immune Response: Priming With Adjuvant Modulates Recall Innate Responses After Boosting. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1248	8.4	18

90	Bettering BCG: a tough task for a TB vaccine?. <i>Nature Medicine</i> , <b>2013</b> , 19, 410-1	50.5	18
89	Difference in TB10.4 T-cell epitope recognition following immunization with recombinant TB10.4, BCG or infection with <i>Mycobacterium tuberculosis</i> . <i>European Journal of Immunology</i> , <b>2010</b> , 40, 1342-54	6.1	18
88	NIR transmission spectroscopy for rapid determination of lipid and lyoprotector content in liposomal vaccine adjuvant system CAF01. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 70, 914-20	5.7	18
87	Identification of human T cell targets recognized during <i>Chlamydia trachomatis</i> genital infection. <i>Journal of Infectious Diseases</i> , <b>2007</b> , 196, 1546-52	7	18
86	Human T-cell responses to the RD1-encoded protein TB27.4 (Rv3878) from <i>Mycobacterium tuberculosis</i> . <i>Immunology</i> , <b>2003</b> , 110, 507-12	7.8	18
85	A novel TB vaccine; strategies to combat a complex pathogen. <i>Immunology Letters</i> , <b>2003</b> , 85, 207-11	4.1	18
84	Cyclooxygenase inhibitors impair CD4 T cell immunity and exacerbate infection in aerosol-challenged mice. <i>Communications Biology</i> , <b>2019</b> , 2, 288	6.7	17
83	Detection of proliferative responses to ESAT-6 and CFP-10 by FASCIA assay for diagnosis of <i>Mycobacterium tuberculosis</i> infection. <i>Journal of Immunological Methods</i> , <b>2011</b> , 370, 55-64	2.5	17
82	Adjuvants induce distinct immunological phenotypes in a bovine tuberculosis vaccine model. <i>Vaccine Journal</i> , <b>2009</b> , 16, 1443-8		17
81	Use of enzyme-linked immunospot assay with <i>Mycobacterium tuberculosis</i> -specific peptides for diagnosis of recent infection with <i>M. tuberculosis</i> after accidental laboratory exposure. <i>Journal of Clinical Microbiology</i> , <b>2006</b> , 44, 1197-201	9.7	17
80	Comparison of two different PEGylation strategies for the liposomal adjuvant CAF09: Towards induction of CTL responses upon subcutaneous vaccine administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 140, 29-39	5.7	16
79	Parasitic infection may be associated with discordant responses to QuantiFERON and tuberculin skin test in apparently healthy children and adolescents in a tuberculosis endemic setting, Ethiopia. <i>BMC Infectious Diseases</i> , <b>2013</b> , 13, 265	4	16
78	Dual-Isotope SPECT/CT Imaging of the Tuberculosis Subunit Vaccine H56/CAF01: Induction of Strong Systemic and Mucosal IgA and T-Cell Responses in Mice Upon Subcutaneous Prime and Intrapulmonary Boost Immunization. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2825	8.4	16
77	Parenteral vaccination protects against transcervical infection with and generate tissue-resident T cells post-challenge. <i>Npj Vaccines</i> , <b>2020</b> , 5, 7	9.5	15
76	Seasonal Influenza Split Vaccines Confer Partial Cross-Protection against Heterologous Influenza Virus in Ferrets When Combined with the CAF01 Adjuvant. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1928	8.4	15
75	Subunit vaccines: distearoylphosphatidylcholine-based liposomes entrapping antigen offer a neutral alternative to dimethyldioctadecylammonium-based cationic liposomes as an adjuvant delivery system. <i>Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 100, 1856-65	3.9	15
74	Novel overlapping coding sequences in <i>Chlamydia trachomatis</i> . <i>FEMS Microbiology Letters</i> , <b>2006</b> , 265, 106-17	2.9	15
73	Differential influence of nutrient-starved <i>Mycobacterium tuberculosis</i> on adaptive immunity results in progressive tuberculosis disease and pathology. <i>Infection and Immunity</i> , <b>2015</b> , 83, 4731-9	3.7	14

72	Reprogramming the T Cell Response to Tuberculosis. <i>Trends in Immunology</i> , <b>2016</b> , 37, 81-83	14.4	14
71	The supramolecular structure is decisive for the immunostimulatory properties of synthetic analogues of a mycobacterial lipid in vitro. <i>RSC Advances</i> , <b>2013</b> , 3, 20673-20683	3.7	14
70	Syringe free vaccination with CAF01 Adjuvated Ag85B-ESAT-6 in Bioneedles provides strong and prolonged protection against tuberculosis. <i>PLoS ONE</i> , <b>2010</b> , 5, e15043	3.7	14
69	Immunological memory transferred with CD4 T cells specific for tuberculosis antigens Ag85B-TB10.4: persisting antigen enhances protection. <i>PLoS ONE</i> , <b>2009</b> , 4, e8272	3.7	14
68	Aluminium hydroxide potentiates a protective Th1 biased immune response against polio virus that allows for dose sparing in mice and rats. <i>Vaccine</i> , <b>2015</b> , 33, 1873-9	4.1	13
67	Peptide-specific T helper cells identified by MHC class II tetramers differentiate into several subtypes upon immunization with CAF01 adjuvanted H56 tuberculosis vaccine formulation. <i>Vaccine</i> , <b>2015</b> , 33, 6823-30	4.1	13
66	The potential of recombinant antigens ESAT-6, MPT63 and mig for specific discrimination of Mycobacterium tuberculosis and M. avium infection. <i>European Journal of Pediatrics</i> , <b>2003</b> , 162, 534-536	4.1	13
65	Quantitative Protein Profiling of Chlamydia trachomatis Growth Forms Reveals Defense Strategies Against Tryptophan Starvation. <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 3540-3550	7.6	12
64	Targeting the Mincle and TLR3 receptor using the dual agonist cationic adjuvant formulation 9 (CAF09) induces humoral and polyfunctional memory T cell responses in calves. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201253	3.7	12
63	Heterologous Prime-Boost Combinations Highlight the Crucial Role of Adjuvant in Priming the Immune System. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 380	8.4	12
62	Characterization of protective immune responses promoted by human antigen targets in a urogenital Chlamydia trachomatis mouse model. <i>Vaccine</i> , <b>2014</b> , 32, 685-92	4.1	12
61	A stable nanoparticulate DDA/MMG formulation acts synergistically with CpG ODN 1826 to enhance the CD4+ T-cell response. <i>Nanomedicine</i> , <b>2014</b> , 9, 2625-38	5.6	12
60	Cell-mediated and humoral immune responses after immunization of calves with a recombinant multiantigenic Mycobacterium avium subsp. paratuberculosis subunit vaccine at different ages. <i>Vaccine Journal</i> , <b>2013</b> , 20, 551-8		12
59	Broadening of the T-cell repertoire to HIV-1 Gag p24 by vaccination of HLA-A2/DR transgenic mice with overlapping peptides in the CAF05 adjuvant. <i>PLoS ONE</i> , <b>2013</b> , 8, e63575	3.7	12
58	Local Th17/IgA immunity correlate with protection against intranasal infection with Streptococcus pyogenes. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175707	3.7	12
57	A Liposome-Based Adjuvant Containing Two Delivery Systems with the Ability to Induce Mucosal Immunoglobulin A Following a Parenteral Immunization. <i>ACS Nano</i> , <b>2019</b> , 13, 1116-1126	16.7	12
56	The cationic liposomal adjuvants CAF01 and CAF09 formulated with the major outer membrane protein elicit robust protection in mice against a Chlamydia muridarum respiratory challenge. <i>Vaccine</i> , <b>2017</b> , 35, 1705-1711	4.1	11
55	Intrauterine inoculation of minipigs with Chlamydia trachomatis during diestrus establishes a longer lasting infection compared to vaginal inoculation during estrus. <i>Microbes and Infection</i> , <b>2017</b> , 19, 334-342	9.3	11



54	HCV p7 as a novel vaccine-target inducing multifunctional CD4 and CD8 T-cells targeting liver cells expressing the viral antigen. <i>Scientific Reports</i> , <b>2019</b> , 9, 14085	4.9	11
53	Broadening CD4 and CD8 T Cell Responses against Hepatitis C Virus by Vaccination with NS3 Overlapping Peptide Panels in Cross-Priming Liposomes. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	10
52	Human B cells produce chemokine CXCL10 in the presence of Mycobacterium tuberculosis specific T cells. <i>Tuberculosis</i> , <b>2015</b> , 95, 40-7	2.6	10
51	Multidimensional analyses reveal modulation of adaptive and innate immune subsets by tuberculosis vaccines. <i>Communications Biology</i> , <b>2020</b> , 3, 563	6.7	10
50	Proliferative responses to purified and fractionated Bordetella pertussis antigens in mice immunized with whole-cell pertussis vaccine. <i>Vaccine</i> , <b>1993</b> , 11, 463-72	4.1	9
49	Developing solid particulate vaccine adjuvants: surface bound antigen favours a humoral response, whereas entrapped antigen shows a tendency for cell mediated immunity. <i>Current Drug Delivery</i> , <b>2013</b> , 10, 268-78	3.2	9
48	Vaccine Adjuvants Differentially Affect Kinetics of Antibody and Germinal Center Responses. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 579761	8.4	9
47	Immunization with -Specific Antigens Bypasses T Cell Differentiation from Prior Bacillus Calmette-Guérin Vaccination and Improves Protection in Mice. <i>Journal of Immunology</i> , <b>2020</b> , 205, 2146-2153	5.3	9
46	Intrapulmonary (i.pulmon.) Pull Immunization With the Tuberculosis Subunit Vaccine Candidate H56/CAF01 After Intramuscular (i.m.) Priming Elicits a Distinct Innate Myeloid Response and Activation of Antigen-Presenting Cells Than i.m. or i.pulmon. Prime Immunization Alone. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 803	8.4	8
45	Induction of Cytotoxic T-Lymphocyte Responses Upon Subcutaneous Administration of a Subunit Vaccine Adjuvanted With an Emulsion Containing the Toll-Like Receptor 3 Ligand Poly(I:C). <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 898	8.4	8
44	Risk of sensitization in healthy adults following repeated administration of rDESAT-6 skin test reagent by the Mantoux injection technique. <i>Tuberculosis</i> , <b>2009</b> , 89, 158-62	2.6	8
43	Strategies to enhance immunogenicity of cDNA vaccine encoded antigens by modulation of antigen processing. <i>Vaccine</i> , <b>2016</b> , 34, 5132-5140	4.1	8
42	Diagnostic Accuracy of Early Secretory Antigenic Target-6-Free Interferon-gamma Release Assay Compared to QuantiFERON-TB Gold In-tube. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, 1724-1730	11.6	7
41	Parenteral Vaccination With a Tuberculosis Subunit Vaccine in Presence of Retinoic Acid Provides Early but Transient Protection to Infection. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 934	8.4	7
40	Antiviral Innate Immune Activation in HIV-Infected Adults Negatively Affects H1/IC31-Induced Vaccine-Specific Memory CD4+ T Cells. <i>Vaccine Journal</i> , <b>2015</b> , 22, 688-96		7
39	Selecting the components for a safe and efficient tuberculosis subunit vaccine--recent progress and post-genomic insights. <i>Current Pharmaceutical Biotechnology</i> , <b>2003</b> , 4, 69-83	2.6	7
38	Tuberculosis vaccines: developmental work and the future. <i>Current Opinion in Pulmonary Medicine</i> , <b>2000</b> , 6, 203-8	3	7
37	Rescuing ESAT-6 Specific CD4 T Cells From Terminal Differentiation Is Critical for Long-Term Control of Murine Mtb Infection. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 585359	8.4	7

36	Genital tract lesions in sexually mature Göttingen minipigs during the initial stages of experimental vaginal infection with <i>Chlamydia trachomatis</i> serovar D. <i>BMC Veterinary Research</i> , <b>2016</b> , 12, 200	2.7	7
35	Control of latent <i>Mycobacterium tuberculosis</i> infection is dependent on CD8 T cells <b>2000</b> , 30, 3689		7
34	Systematic Investigation of the Role of Surfactant Composition and Choice of oil: Design of a Nanoemulsion-Based Adjuvant Inducing Concomitant Humoral and CD4 T-Cell Responses. <i>Pharmaceutical Research</i> , <b>2017</b> , 34, 1716-1727	4.5	6
33	Genital Infiltrations of CD4 and CD8 T Lymphocytes, IgA and IgG Plasma Cells and Intra-Mucosal Lymphoid Follicles Associate With Protection Against Genital Infection in Minipigs Intramuscularly Immunized With UV-Inactivated Bacteria Adjuvanted With CAF01. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 197	5.7	6
32	Site-Specific DC Surface Signatures Influence CD4 T Cell Co-stimulation and Lung-Homing. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1650	8.4	6
31	Development of a proof of concept immunochromatographic lateral flow assay for point of care diagnosis of <i>Mycobacterium tuberculosis</i> . <i>BMC Research Notes</i> , <b>2013</b> , 6, 202	2.3	6
30	Preparation of Culture Filtrate Proteins from <i>Mycobacterium tuberculosis</i> . <i>Methods in Molecular Medicine</i> , <b>2001</b> , 54, 205-15		6
29	Diagnostic Accuracy of Interferon Gamma-Induced Protein 10 mRNA Release Assay for Tuberculosis. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	6
28	Identifying protective <i>Streptococcus pyogenes</i> vaccine antigens recognized by both B and T cells in human adults and children. <i>Scientific Reports</i> , <b>2016</b> , 6, 22030	4.9	6
27	Host immunity to <i>Mycobacterium tuberculosis</i> and risk of tuberculosis: A longitudinal study among Greenlanders. <i>Vaccine</i> , <b>2016</b> , 34, 5975-5983	4.1	5
26	Signal regulatory protein alpha (SIRPalpha) cells in the adaptive response to ESAT-6/CFP-10 protein of tuberculous mycobacteria. <i>PLoS ONE</i> , <b>2009</b> , 4, e6414	3.7	5
25	Design of Gadoteridol-Loaded Cationic Liposomal Adjuvant CAF01 for MRI of Lung Deposition of Intrapulmonary Administered Particles. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 4725-4737	5.6	4
24	Chitin-derived polymer deacetylation regulates mitochondrial reactive oxygen species dependent cGAS-STING and NLRP3 inflammasome activation. <i>Biomaterials</i> , <b>2021</b> , 275, 120961	15.6	4
23	Towards the proteome of <i>Mycobacterium tuberculosis</i> <b>2000</b> , 21, 3740		4
22	Liposomes in Adjuvant Systems for Parenteral Delivery of Vaccines 357-376		4
21	Learning from BCG: Designing a better tuberculosis vaccine. <i>Discovery Medicine</i> , <b>2005</b> , 5, 383-7	2.5	4
20	Assessment of T cell response to novel <i>Mycobacterium tuberculosis</i> synthetic overlapping peptides mixtures (Rv2659 and Rv2660) and ESAT-6 in Egyptian patients. <i>The Egyptian Journal of Immunology / Egyptian Association of Immunologists</i> , <b>2014</b> , 21, 75-83	0.6	4
19	Antigen Discovery and Tuberculosis Vaccine Development in the Post-genomic Era. <i>Scandinavian Journal of Infectious Diseases</i> , <b>2001</b> , 33, 79-83		3

18	Determining adjuvant activity on T-cell function in vivo: Th cells. <i>Methods in Molecular Biology</i> , <b>2010</b> , 626, 213-29	1.4	3
17	A Chlamydia trachomatis VD1-MOMP vaccine elicits cross-neutralizing and protective antibodies against C/C-related complex serovars. <i>Npj Vaccines</i> , <b>2021</b> , 6, 58	9.5	3
16	Unusual Self-Assembly of the Recombinant Chlamydia trachomatis Major Outer Membrane Protein-Based Fusion Antigen CTH522 Into Protein Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 107, 1690-1700	3.9	2
15	Antigen Expression Regulates CD4 T Cell Differentiation and Vaccine Efficacy against Mycobacterium tuberculosis Infection. <i>MBio</i> , <b>2021</b> , 12,	7.8	2
14	Metabolic Profiling and Compound-Class Identification Reveal Alterations in Serum Triglyceride Levels in Mice Immunized with Human Vaccine Adjuvant Alum. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 269-278	5.6	2
13	A Suction Blister Protocol to Study Human T-cell Recall Responses In Vivo. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
12	CD4 T cell proliferative responses to PPD and CFP-10 associate with recent M. tuberculosis infection. <i>Tuberculosis</i> , <b>2020</b> , 123, 101959	2.6	1
11	A Mycobacterium tuberculosis-specific subunit vaccine that provides synergistic immunity upon co-administration with Bacillus Calmette-Guérin. <i>Nature Communications</i> , <b>2021</b> , 12, 6658	17.4	1
10	Type I IFN signalling is required for cationic adjuvant formulation (CAF)01-induced cellular immunity and mucosal priming. <i>Vaccine</i> , <b>2020</b> , 38, 635-643	4.1	1
9	A novel Mycobacterium tuberculosis-specific subunit vaccine provides synergistic immunity upon co-administration with Bacillus Calmette-Guérin		1
8	IL-33 Is a Negative Regulator of Vaccine-Induced Antigen-Specific Cellular Immunity. <i>Journal of Immunology</i> , <b>2019</b> , 202, 1145-1152	5.3	1
7	antigen expression regulates CD4 T cell differentiation and vaccine efficacy against infection <b>2021</b> ,		1
6	Monocytes Elicit a Neutrophil-Independent Th1/Th17 Response Upon Immunization With a Mincle-Dependent Glycolipid Adjuvant.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 880474	8.4	0
5	Novel Vaccination Strategies Against Tuberculosis <b>2017</b> , 369-387		
4	The hunt for a global killer. <i>Human Vaccines and Immunotherapeutics</i> , <b>2012</b> , 8, 547-53	4.4	
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