

Carlos Martin

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191
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11,216
ext. citations

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L-index

#	Paper	IF	Citations
179	Strain identification of Mycobacterium tuberculosis by DNA fingerprinting: recommendations for a standardized methodology. <i>Journal of Clinical Microbiology</i> , 1993 , 31, 406-9	9.7	1699
178	Mycobacterium tuberculosis complex genetic diversity: mining the fourth international spoligotyping database (SpolDB4) for classification, population genetics and epidemiology. <i>BMC Microbiology</i> , 2006 , 6, 23	4.5	796
177	Comparison of methods based on different molecular epidemiological markers for typing of Mycobacterium tuberculosis complex strains: interlaboratory study of discriminatory power and reproducibility. <i>Journal of Clinical Microbiology</i> , 1999 , 37, 2607-18	9.7	433
176	An essential role for phoP in Mycobacterium tuberculosis virulence. <i>Molecular Microbiology</i> , 2001 , 41, 179-87	4.1	286
175	Mutations in putative mutator genes of Mycobacterium tuberculosis strains of the W-Beijing family. <i>Emerging Infectious Diseases</i> , 2003 , 9, 838-45	10.2	208
174	Transposition of an antibiotic resistance element in mycobacteria. <i>Nature</i> , 1990 , 345, 739-43	50.4	202
173	Control of M. tuberculosis ESAT-6 secretion and specific T cell recognition by PhoP. <i>PLoS Pathogens</i> , 2008 , 4, e33	7.6	183
172	The live Mycobacterium tuberculosis phoP mutant strain is more attenuated than BCG and confers protective immunity against tuberculosis in mice and guinea pigs. <i>Vaccine</i> , 2006 , 24, 3408-19	4.1	169
171	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> , 2009 , 4, e5264	3.7	167
170	Construction, characterization and preclinical evaluation of MTBVAC, the first live-attenuated M. tuberculosis-based vaccine to enter clinical trials. <i>Vaccine</i> , 2013 , 31, 4867-73	4.1	164
169	PhoP: a missing piece in the intricate puzzle of Mycobacterium tuberculosis virulence. <i>PLoS ONE</i> , 2008 , 3, e3496	3.7	156
168	The virulence-associated two-component PhoP-PhoR system controls the biosynthesis of polyketide-derived lipids in Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 13132-6	5.4	155
167	Molecular cloning and characterization of Tap, a putative multidrug efflux pump present in Mycobacterium fortuitum and Mycobacterium tuberculosis. <i>Journal of Bacteriology</i> , 1998 , 180, 5836-43	3.5	151
166	Epidemiological evidence of the spread of a Mycobacterium tuberculosis strain of the Beijing genotype on Gran Canaria Island. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 1165-70	10.2	138
165	Evaluation of vaccines in the EU TB Vaccine Cluster using a guinea pig aerosol infection model of tuberculosis. <i>Tuberculosis</i> , 2005 , 85, 29-38	2.6	135
164	High content phenotypic cell-based visual screen identifies Mycobacterium tuberculosis acyltrehalose-containing glycolipids involved in phagosome remodeling. <i>PLoS Pathogens</i> , 2010 , 6, e1001100	7.6	133
163	Evolutionary history of tuberculosis shaped by conserved mutations in the PhoPR virulence regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11491-6	11.5	131

162	Efficient transposition in mycobacteria: construction of <i>Mycobacterium smegmatis</i> insertional mutant libraries. <i>Journal of Bacteriology</i> , 1994 , 176, 535-9	3.5	124
161	Restriction fragment length polymorphism analysis using IS6110 as an epidemiological marker in tuberculosis. <i>Journal of Clinical Microbiology</i> , 1991 , 29, 1252-4	9.7	124
160	Exogenous reinfection with tuberculosis on a European island with a moderate incidence of disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 717-20	10.2	122
159	Safety of human immunisation with a live-attenuated <i>Mycobacterium tuberculosis</i> vaccine: a randomised, double-blind, controlled phase I trial. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 953-62	35.1	110
158	Role of the <i>Mycobacterium tuberculosis</i> P55 efflux pump in intrinsic drug resistance, oxidative stress responses, and growth. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 3675-82	5.9	102
157	Characterization of P55, a multidrug efflux pump in <i>Mycobacterium bovis</i> and <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2001 , 45, 800-4	5.9	102
156	Molecular characterization of <i>Mycobacterium tuberculosis</i> complex isolates from wild ungulates in south-central Spain. <i>Veterinary Research</i> , 2005 , 36, 43-52	3.8	101
155	The PhoP-dependent ncRNA Mcr7 modulates the TAT secretion system in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2014 , 10, e1004183	7.6	96
154	IS6110 mediates increased transcription of the phoP virulence gene in a multidrug-resistant clinical isolate responsible for tuberculosis outbreaks. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 212-9	9.7	95
153	The Multidrug Transporters Belonging to Major Facilitator Superfamily (MFS) in <i>Mycobacterium tuberculosis</i> . <i>Molecular Medicine</i> , 2002 , 8, 714-724	6.2	94
152	ESX-1-induced apoptosis is involved in cell-to-cell spread of <i>Mycobacterium tuberculosis</i> . <i>Cellular Microbiology</i> , 2013 , 15, 1994-2005	3.9	92
151	Aminoglycoside 2'-N-acetyltransferase genes are universally present in mycobacteria: characterization of the <i>aac(2')-Ic</i> gene from <i>Mycobacterium tuberculosis</i> and the <i>aac(2')-Id</i> gene from <i>Mycobacterium smegmatis</i> . <i>Molecular Microbiology</i> , 1997 , 24, 431-41	4.1	84
150	Revisiting the evolution of <i>Mycobacterium bovis</i> . <i>Journal of Bacteriology</i> , 2005 , 187, 6386-95	3.5	84
149	Pulmonary but Not Subcutaneous Delivery of BCG Vaccine Confers Protection to Tuberculosis-Susceptible Mice by an Interleukin 17-Dependent Mechanism. <i>Journal of Infectious Diseases</i> , 2016 , 213, 831-9	7	83
148	A point mutation in the two-component regulator PhoP-PhoR accounts for the absence of polyketide-derived acyltrehaloses but not that of phthiocerol dimycocerosates in <i>Mycobacterium tuberculosis</i> H37Ra. <i>Journal of Bacteriology</i> , 2008 , 190, 1329-34	3.5	83
147	High rate of tuberculosis reinfection during a nosocomial outbreak of multidrug-resistant tuberculosis caused by <i>Mycobacterium bovis</i> strain B. <i>Clinical Infectious Diseases</i> , 2001 , 32, 159-61	11.6	80
146	Reactogenicity to major tuberculosis antigens absent in BCG is linked to improved protection against <i>Mycobacterium tuberculosis</i> . <i>Nature Communications</i> , 2017 , 8, 16085	17.4	70
145	<i>Klebsiella pneumoniae</i> survives within macrophages by avoiding delivery to lysosomes. <i>Cellular Microbiology</i> , 2015 , 17, 1537-60	3.9	65

144	Aminoglycoside-phosphotransferases APH(3')-IV and APH(3'") synthesized by a strain of <i>Campylobacter coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 1986 , 18, 153-8	5.1	62
143	A specific polymorphism in <i>Mycobacterium tuberculosis</i> H37Rv causes differential ESAT-6 expression and identifies WhiB6 as a novel ESX-1 component. <i>Infection and Immunity</i> , 2014 , 82, 3446-56	3.7	61
142	Transmission between HIV-infected patients of multidrug-resistant tuberculosis caused by <i>Mycobacterium bovis</i> . <i>Aids</i> , 1997 , 11, 1237-42	3.5	58
141	Characterization of tetracycline resistance mediated by the efflux pump Tap from <i>Mycobacterium fortuitum</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2006 , 57, 252-9	5.1	57
140	Identification by spoligotyping of a caprine genotype in <i>Mycobacterium bovis</i> strains causing human tuberculosis. <i>Journal of Clinical Microbiology</i> , 1997 , 35, 3328-30	9.7	57
139	Genetic characterization of multidrug-resistant <i>Mycobacterium bovis</i> strains from a hospital outbreak involving human immunodeficiency virus-positive patients. <i>Journal of Clinical Microbiology</i> , 1997 , 35, 1390-3	9.7	57
138	Usefulness of spoligotyping in molecular epidemiology of <i>Mycobacterium bovis</i> -related infections in South America. <i>Journal of Clinical Microbiology</i> , 1999 , 37, 296-303	9.7	57
137	Functional and genetic characterization of the tap efflux pump in <i>Mycobacterium bovis</i> BCG. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 2074-83	5.9	56
136	<i>Mycobacterium tuberculosis</i> phoP mutant: lipoarabinomannan molecular structure. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 3029-3037	2.9	56
135	Energy transfer between fluorescent proteins using a co-expression system in <i>Mycobacterium smegmatis</i> . <i>Gene</i> , 2001 , 278, 115-24	3.8	54
134	Allele-specific PCR method based on pncA and oxyR sequences for distinguishing <i>Mycobacterium bovis</i> from <i>Mycobacterium tuberculosis</i> : intraspecific <i>M. bovis</i> pncA sequence polymorphism. <i>Journal of Clinical Microbiology</i> , 1998 , 36, 239-42	9.7	53
133	Live-attenuated <i>Mycobacterium tuberculosis</i> vaccine MTBVAC versus BCG in adults and neonates: a randomised controlled, double-blind dose-escalation trial. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 757-770	7.5	51
132	MTBVAC: Attenuating the Human Pathogen of Tuberculosis (TB) Toward a Promising Vaccine against the TB Epidemic. <i>Frontiers in Immunology</i> , 2017 , 8, 1803	8.4	51
131	Analysis of the regions responsible for IS6110 RFLP in a single <i>Mycobacterium tuberculosis</i> strain. <i>Research in Microbiology</i> , 1992 , 143, 767-72	4	51
130	Evolutionary landscape of the <i>Mycobacterium tuberculosis</i> complex from the viewpoint of PhoPR: implications for virulence regulation and application to vaccine development. <i>MBio</i> , 2015 , 6, e01289-15	7.8	50
129	Isolation and analysis of IS6120, a new insertion sequence from <i>Mycobacterium smegmatis</i> . <i>Molecular Microbiology</i> , 1992 , 6, 107-13	4.1	50
128	Differentiation by molecular typing of <i>Mycobacterium bovis</i> strains causing tuberculosis in cattle and goats. <i>Journal of Clinical Microbiology</i> , 1995 , 33, 2953-6	9.7	50
127	The multidrug transporters belonging to major facilitator superfamily in <i>Mycobacterium tuberculosis</i> . <i>Molecular Medicine</i> , 2002 , 8, 714-24	6.2	49

126	Human-to-human transmission of tuberculosis caused by <i>Mycobacterium bovis</i> in immunocompetent patients. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 1249-51	9.7	47
125	Chromosomal DNA fingerprinting analysis using the insertion sequence IS6110 and the repetitive element DR as strain-specific markers for epidemiological study of tuberculosis in French Polynesia. <i>Journal of Clinical Microbiology</i> , 1995 , 33, 1899-904	9.7	45
124	Contribution of the Rv2333c efflux pump (the Stp protein) from <i>Mycobacterium tuberculosis</i> to intrinsic antibiotic resistance in <i>Mycobacterium bovis</i> BCG. <i>Journal of Antimicrobial Chemotherapy</i> , 2007 , 59, 544-7	5.1	41
123	Site-specific integration of the <i>Streptomyces</i> plasmid pSAM2 in <i>Mycobacterium smegmatis</i> . <i>Molecular Microbiology</i> , 1991 , 5, 2499-502	4.1	41
122	New insights into the transposition mechanisms of IS6110 and its dynamic distribution between <i>Mycobacterium tuberculosis</i> Complex lineages. <i>PLoS Genetics</i> , 2018 , 14, e1007282	6	41
121	Protective immunity afforded by attenuated, PhoP-deficient <i>Mycobacterium tuberculosis</i> is associated with sustained generation of CD4+ T-cell memory. <i>European Journal of Immunology</i> , 2012 , 42, 385-92	6.1	40
120	The transcriptional regulatory network of <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2011 , 6, e22178	3.7	40
119	The <i>Mycobacterium tuberculosis</i> phoPR operon is positively autoregulated in the virulent strain H37Rv. <i>Journal of Bacteriology</i> , 2008 , 190, 7068-78	3.5	40
118	The dream of a vaccine against tuberculosis; new vaccines improving or replacing BCG?. <i>European Respiratory Journal</i> , 2005 , 26, 162-7	13.6	40
117	Transformation of <i>Mycobacterium aurum</i> and <i>Mycobacterium smegmatis</i> with the broad host-range gram-negative cosmid vector pJRD215. <i>Molecular Microbiology</i> , 1991 , 5, 1561-6	4.1	40
116	Characterization of the chromosomal aminoglycoside 2'-N-acetyltransferase gene from <i>Mycobacterium fortuitum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1996 , 40, 2350-5	5.9	38
115	Vaccination Against Tuberculosis With Whole-Cell Mycobacterial Vaccines. <i>Journal of Infectious Diseases</i> , 2016 , 214, 659-64	7	37
114	MTBVAC vaccine is safe, immunogenic and confers protective efficacy against <i>Mycobacterium tuberculosis</i> in newborn mice. <i>Tuberculosis</i> , 2016 , 96, 71-4	2.6	37
113	Extended safety studies of the attenuated live tuberculosis vaccine SO2 based on phoP mutant. <i>Vaccine</i> , 2009 , 27, 2499-505	4.1	37
112	Molecular characterisation of <i>Mycobacterium tuberculosis</i> isolates in the First National Survey of Anti-tuberculosis Drug Resistance from Venezuela. <i>BMC Microbiology</i> , 2006 , 6, 90	4.5	37
111	Isolation by genetic labeling of a new mycobacterial plasmid, pJAZ38, from <i>Mycobacterium fortuitum</i> . <i>Journal of Bacteriology</i> , 1997 , 179, 4115-22	3.5	35
110	Interactions of attenuated <i>Mycobacterium tuberculosis</i> phoP mutant with human macrophages. <i>PLoS ONE</i> , 2010 , 5, e12978	3.7	35
109	Neutral-red reaction is related to virulence and cell wall methyl-branched lipids in <i>Mycobacterium tuberculosis</i> . <i>Microbes and Infection</i> , 2006 , 8, 183-90	9.3	34

108	Systematic molecular characterization of multidrug-resistant Mycobacterium tuberculosis complex isolates from Spain. <i>Journal of Clinical Microbiology</i> , 2005 , 43, 1220-7	9.7	34
107	New live attenuated tuberculosis vaccine MTBVAC induces trained immunity and confers protection against experimental lethal pneumonia. <i>PLoS Pathogens</i> , 2020 , 16, e1008404	7.6	34
106	IL-17-dependent SIgA-mediated protection against nasal Bordetella pertussis infection by live attenuated BPZE1 vaccine. <i>Mucosal Immunology</i> , 2018 , 11, 1753-1762	9.2	33
105	Pulmonary Mycobacterium bovis BCG vaccination confers dose-dependent superior protection compared to that of subcutaneous vaccination. <i>Vaccine Journal</i> , 2014 , 21, 594-7		33
104	ESX-1-induced apoptosis during mycobacterial infection: to be or not to be, that is the question. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013 , 3, 88	5.9	32
103	Deciphering the role of IS6110 in a highly transmissible Mycobacterium tuberculosis Beijing strain, GC1237. <i>Tuberculosis</i> , 2011 , 91, 117-26	2.6	32
102	Live tuberculosis vaccines based on phoP mutants: a step towards clinical trials. <i>Expert Opinion on Biological Therapy</i> , 2008 , 8, 201-11	5.4	32
101	Immunological responses and protective immunity against tuberculosis conferred by vaccination of Balb/C mice with the attenuated Mycobacterium tuberculosis (phoP) SO2 strain. <i>Clinical and Experimental Immunology</i> , 2007 , 147, 330-8	6.2	32
100	MTBVAC from discovery to clinical trials in tuberculosis-endemic countries. <i>Expert Review of Vaccines</i> , 2017 , 16, 565-576	5.2	31
99	Bim is a crucial regulator of apoptosis induced by Mycobacterium tuberculosis. <i>Cell Death and Disease</i> , 2014 , 5, e1343	9.8	31
98	Mapping IS6110 in high-copy number Mycobacterium tuberculosis strains shows specific insertion points in the Beijing genotype. <i>BMC Genomics</i> , 2013 , 14, 422	4.5	30
97	Recurrent tuberculosis from 1992 to 2004 in a metropolitan area. <i>European Respiratory Journal</i> , 2007 , 30, 333-7	13.6	28
96	Conspicuous multidrug-resistant Mycobacterium tuberculosis cluster strains do not trespass country borders in Latin America and Spain. <i>Infection, Genetics and Evolution</i> , 2012 , 12, 711-7	4.5	27
95	Effect of acid steam explosion on enzymatic hydrolysis of <i>O. nervosum</i> and <i>C. cardunculus</i> . <i>Applied Biochemistry and Biotechnology</i> , 1990 , 24-25, 127-134	3.2	27
94	Attenuated Mycobacterium tuberculosis SO2 vaccine candidate is unable to induce cell death. <i>PLoS ONE</i> , 2012 , 7, e45213	3.7	27
93	Recent developments in tuberculosis vaccines. <i>Expert Review of Vaccines</i> , 2013 , 12, 1431-48	5.2	26
92	Construction of a family of Mycobacterium/Escherichia coli shuttle vectors derived from pAL5000 and pACYC184: their use for cloning an antibiotic-resistance gene from Mycobacterium fortuitum. <i>Gene</i> , 1996 , 176, 23-6	3.8	26
91	The Mycobacterium tuberculosis purine biosynthetic pathway: isolation and characterization of the purC and purL genes. <i>Microbiology (United Kingdom)</i> , 1996 , 142 (Pt 9), 2439-47	2.9	26

90	Tuberculosis vaccines: past, present and future. <i>Current Opinion in Pulmonary Medicine</i> , 2006 , 12, 186-91	3	25
89	Revaccination of Guinea Pigs With the Live Attenuated Mycobacterium tuberculosis Vaccine MTBVAC Improves BCG's Protection Against Tuberculosis. <i>Journal of Infectious Diseases</i> , 2017 , 216, 525-533	7	24
88	Novel streptomycin resistance gene from Mycobacterium fortuitum. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 3920-2	5.9	24
87	Molecular characterization of mycobacteria isolated from seals. <i>Microbiology (United Kingdom)</i> , 1999 , 145 (Pt 9), 2519-2526	2.9	24
86	The molecular epidemiology of tuberculosis in Zaragoza, Spain: a retrospective epidemiological study in 1993. <i>International Journal of Tuberculosis and Lung Disease</i> , 1998 , 2, 281-7	2.1	23
85	IS-seq: a novel high throughput survey of in vivo IS6110 transposition in multiple Mycobacterium tuberculosis genomes. <i>BMC Genomics</i> , 2012 , 13, 249	4.5	22
84	Temperature-sensitive mutants of the Mycobacterium plasmid pAL5000. <i>FEMS Microbiology Letters</i> , 1992 , 77, 181-6	2.9	22
83	Hyper-attenuated MTBVAC erp mutant protects against tuberculosis in mice. <i>Vaccine</i> , 2014 , 32, 5192-7	4.1	19
82	Epidemiology of tuberculosis on Gran Canaria: a 4 year population study using traditional and molecular approaches. <i>Thorax</i> , 2003 , 58, 618-22	7.3	19
81	Use of a PCR method based on IS6110 polymorphism for typing Mycobacterium tuberculosis strains from BACTEC cultures. <i>Journal of Clinical Microbiology</i> , 1997 , 35, 273-7	9.7	18
80	Update on TB Vaccine Pipeline. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2632	2.6	17
79	Drug-resistant tuberculosis in the European Union: opportunities and challenges for control. <i>Tuberculosis</i> , 2010 , 90, 182-7	2.6	17
78	katGI and katGII encode two different catalases-peroxidases in Mycobacterium fortuitum. <i>Journal of Bacteriology</i> , 1997 , 179, 6880-6	3.5	17
77	Spread of extensively drug-resistant tuberculosis. <i>Emerging Infectious Diseases</i> , 2007 , 13, 647-8	10.2	17
76	Mycobacterium smegmatis displays the Mycobacterium tuberculosis virulence-related neutral red character when expressing the Rv0577 gene. <i>FEMS Microbiology Letters</i> , 2004 , 231, 283-9	2.9	17
75	Data-driven model for the assessment of transmission in evolving demographic structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3238-E3245	11.5	16
74	Structure and mobilization of an ampicillin and gentamicin resistance determinant. <i>Antimicrobial Agents and Chemotherapy</i> , 1987 , 31, 1266-70	5.9	16
73	Stronger induction of trained immunity by mucosal BCG or MTBVAC vaccination compared to standard intradermal vaccination. <i>Cell Reports Medicine</i> , 2021 , 2, 100185	18	16

72	Evaluation of the immunogenicity and diagnostic interference caused by M. tuberculosis SO2 vaccination against tuberculosis in goats. <i>Research in Veterinary Science</i> , 2015 , 103, 73-9	2.5	15
71	Intracellular replication of attenuated Mycobacterium tuberculosis phoP mutant in the absence of host cell cytotoxicity. <i>Microbes and Infection</i> , 2009 , 11, 115-22	9.3	15
70	Mapping of IS6110 insertion sites in Mycobacterium bovis isolates in relation to adaptation from the animal to human host. <i>Veterinary Microbiology</i> , 2008 , 129, 333-41	3.3	15
69	The use of mutant mycobacteria as new vaccines to prevent tuberculosis. <i>Tuberculosis</i> , 2006 , 86, 203-10	2.6	15
68	On the impact of masking and blocking hypotheses for measuring the efficacy of new tuberculosis vaccines. <i>PeerJ</i> , 2016 , 4, e1513	3.1	15
67	Rapid test for identification of a highly transmissible Mycobacterium tuberculosis Beijing strain of sub-Saharan origin. <i>Journal of Clinical Microbiology</i> , 2012 , 50, 516-8	9.7	14
66	Multidrug-resistant Mycobacterium tuberculosis, Bangui, Central African Republic. <i>Emerging Infectious Diseases</i> , 2006 , 12, 1454-6	10.2	14
65	Long-term molecular surveillance of multidrug-resistant tuberculosis in Spain. <i>Infection, Genetics and Evolution</i> , 2012 , 12, 701-10	4.5	13
64	Insertion sequence IS1137, a new IS3 family element from Mycobacterium smegmatis. <i>Microbiology (United Kingdom)</i> , 1994 , 140 (Pt 10), 2821-8	2.9	13
63	A human dendritic cell-based in vitro model to assess Mycobacterium tuberculosis SO2 vaccine immunogenicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014 , 31, 397-406	4.3	12
62	Genotyping of Mycobacterium tuberculosis over two periods: a changing scenario for tuberculosis transmission. <i>International Journal of Tuberculosis and Lung Disease</i> , 2007 , 11, 1080-6	2.1	12
61	Live attenuated TB vaccines representing the three modern Mycobacterium tuberculosis lineages reveal that the Euro-American genetic background confers optimal vaccine potential. <i>EBioMedicine</i> , 2020 , 55, 102761	8.8	11
60	Single nucleotide polymorphism (SNP) analysis used for the phylogeny of the Mycobacterium tuberculosis complex based on a pyrosequencing assay. <i>BMC Microbiology</i> , 2014 , 14, 21	4.5	11
59	Global study of IS6110 in a successful Mycobacterium tuberculosis strain: clues for deciphering its behavior and for its rapid detection. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 3631-7	9.7	11
58	Mycobacterial Aminoglycoside Acetyltransferases: A Little of Drug Resistance, and a Lot of Other Roles. <i>Frontiers in Microbiology</i> , 2019 , 10, 46	5.7	10
57	Evaluation of the immunogenicity and efficacy of BCG and MTBVAC vaccines using a natural transmission model of tuberculosis. <i>Veterinary Research</i> , 2019 , 50, 82	3.8	10
56	Multidrug-resistant Mycobacterium tuberculosis strain from Equatorial Guinea detected in Spain. <i>Emerging Infectious Diseases</i> , 2009 , 15, 1858-60	10.2	10
55	Unsuspected and extensive transmission of a drug-susceptible Mycobacterium tuberculosis strain. <i>BMC Pulmonary Medicine</i> , 2009 , 9, 3	3.5	10

54	Use of conjugative and thermosensitive cloning vectors for transposon delivery to Mycobacterium smegmatis. <i>FEMS Microbiology Letters</i> , 1995 , 127, 35-9	2.9	10
53	Multidrug-resistant tuberculosis caused by 'W'-related strains in three immunocompetent foreign-born patients. <i>International Journal of Tuberculosis and Lung Disease</i> , 1999 , 3, 82-4	2.1	10
52	Evaluation of the Mycobacterium tuberculosis SO vaccine using a natural tuberculosis infection model in goats. <i>Veterinary Journal</i> , 2017 , 223, 60-67	2.5	9
51	Comparative Metabolomics between and the MTBVAC Vaccine Candidate. <i>ACS Infectious Diseases</i> , 2019 , 5, 1317-1326	5.5	9
50	A Mycobacterium tuberculosis Beijing strain persists at high rates and extends its geographic boundaries 20 years after importation. <i>Scientific Reports</i> , 2019 , 9, 4687	4.9	9
49	Molecular epidemiology of tuberculosis in Elche, Spain: a 7-year study. <i>Journal of Medical Microbiology</i> , 2002 , 51, 273-277	3.2	9
48	MTBVAC vaccination protects rhesus macaques against aerosol challenge with M. tuberculosis and induces immune signatures analogous to those observed in clinical studies. <i>Npj Vaccines</i> , 2021 , 6, 4	9.5	9
47	MTBVAC-Based TB-HIV Vaccine Is Safe, Elicits HIV-T Cell Responses, and Protects against in Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 13, 253-264	6.4	8
46	Respiratory Immunization With a Whole Cell Inactivated Vaccine Induces Functional Mucosal Immunoglobulins Against Tuberculosis in Mice and Non-human Primates. <i>Frontiers in Microbiology</i> , 2020 , 11, 1339	5.7	8
45	Protective Efficacy and Pulmonary Immune Response Following Subcutaneous and Intranasal BCG Administration in Mice. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	7
44	New tuberculosis vaccines. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2011 , 29 Suppl 1, 57-62	0.9	7
43	Enzymatic hydrolysis of lignocellulosic biomass from Onopordum nervosum. <i>Biotechnology and Bioengineering</i> , 1988 , 32, 341-4	4.9	7
42	In-depth analysis of the genome sequence of a clinical, extensively drug-resistant Mycobacterium bovis strain. <i>Tuberculosis</i> , 2016 , 100, 46-52	2.6	7
41	Mycobacterium tuberculosis infection prevents asthma and abrogates eosinophilopoiesis in an experimental model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 2512-2514	9.3	6
40	Therapeutic efficacy of the live-attenuated Mycobacterium tuberculosis vaccine, MTBVAC, in a preclinical model of bladder cancer. <i>Translational Research</i> , 2018 , 197, 32-42	11	6
39	Transcriptional analysis of and resistance level conferred by the aminoglycoside acetyltransferase gene aac(2')-Id from Mycobacterium smegmatis. <i>Journal of Antimicrobial Chemotherapy</i> , 2008 , 61, 39-45	5.1	6
38	Effects of variation of inverted-repeat sequences on reactions mediated by the transposase of Tn21. <i>Journal of Bacteriology</i> , 1989 , 171, 3996-4001	3.5	6
37	Granzyme A Is Expressed in Mouse Lungs during Mycobacterium tuberculosis Infection but Does Not Contribute to Protection In Vivo. <i>PLoS ONE</i> , 2016 , 11, e0153028	3.7	6

36	BCG vaccination improves DTaP immune responses in mice and is associated with lower pertussis incidence in ecological epidemiological studies. <i>EBioMedicine</i> , 2021 , 65, 103254	8.8	6
35	MTBVAC, a live TB vaccine poised to initiate efficacy trials 100 years after BCG. <i>Vaccine</i> , 2021 , 39, 7277-7285	7.8	6
34	Mycobacterial diversity causing multi- and extensively drug-resistant tuberculosis in Djibouti, Horn of Africa. <i>International Journal of Tuberculosis and Lung Disease</i> , 2016 , 20, 150-3	2.1	5
33	Cefotetan-induced hemolytic anemia after perioperative prophylaxis. <i>American Journal of Hematology</i> , 2006 , 81, 186-8	7.1	5
32	Multidrug-resistant Mycobacterium tuberculosis Beijing/W genotype in Venezuela. <i>Journal of Medical Microbiology</i> , 2007 , 56, 1707-1708	3.2	5
31	Breaking Transmission with Vaccines: The Case of Tuberculosis. <i>Microbiology Spectrum</i> , 2017 , 5,	8.9	5
30	Pulmonary BCG induces lung-resident macrophage activation and confers long-term protection against tuberculosis. <i>Science Immunology</i> , 2021 , 6, eabc2934	28	5
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