

William R Jacobs

List of Publications by Citations

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153
papers

10,884
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50
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102
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164
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12,838
ext. citations

10
avg, IF

5.98
L-index

#	Paper	IF	Citations
153	Persistence of Mycobacterium tuberculosis in macrophages and mice requires the glyoxylate shunt enzyme isocitrate lyase. <i>Nature</i> , 2000 , 406, 735-8	50.4	1091
152	Complex lipid determines tissue-specific replication of Mycobacterium tuberculosis in mice. <i>Nature</i> , 1999 , 402, 79-83	50.4	625
151	The primary mechanism of attenuation of bacillus Calmette-Guerin is a loss of secreted lytic function required for invasion of lung interstitial tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12420-5	11.5	555
150	A novel mycolic acid cyclopropane synthetase is required for cording, persistence, and virulence of Mycobacterium tuberculosis. <i>Molecular Cell</i> , 2000 , 5, 717-27	17.6	540
149	Specialized transduction: an efficient method for generating marked and unmarked targeted gene disruptions in Mycobacterium tuberculosis, M. bovis BCG and M. smegmatis. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 3007-3017	2.9	458
148	The emb operon, a gene cluster of Mycobacterium tuberculosis involved in resistance to ethambutol. <i>Nature Medicine</i> , 1997 , 3, 567-70	50.5	352
147	A pantothenate auxotroph of Mycobacterium tuberculosis is highly attenuated and protects mice against tuberculosis. <i>Nature Medicine</i> , 2002 , 8, 1171-4	50.5	290
146	Introduction of foreign DNA into mycobacteria using a shuttle phasmid. <i>Nature</i> , 1987 , 327, 532-5	50.4	278
145	Attenuation of and protection induced by a leucine auxotroph of Mycobacterium tuberculosis. <i>Infection and Immunity</i> , 2000 , 68, 2888-98	3.7	229
144	Microbial pathogenesis of Mycobacterium tuberculosis: dawn of a discipline. <i>Cell</i> , 2001 , 104, 477-85	56.2	221
143	Evidence that mycobacterial PE_PGRS proteins are cell surface constituents that influence interactions with other cells. <i>Infection and Immunity</i> , 2001 , 69, 7326-33	3.7	214
142	Inactivation of the inhA-encoded fatty acid synthase II (FASII) enoyl-acyl carrier protein reductase induces accumulation of the FASII end products and cell lysis of Mycobacterium smegmatis. <i>Journal of Bacteriology</i> , 2000 , 182, 4059-67	3.5	212
141	Pyrazinamide inhibits the eukaryotic-like fatty acid synthetase I (FASI) of Mycobacterium tuberculosis. <i>Nature Medicine</i> , 2000 , 6, 1043-7	50.5	204
140	Auranofin exerts broad-spectrum bactericidal activities by targeting thiol-redox homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4453-8	11.5	190
139	Whole genome comparison of a large collection of mycobacteriophages reveals a continuum of phage genetic diversity. <i>ELife</i> , 2015 , 4, e06416	8.9	171
138	Trans-cyclopropanation of mycolic acids on trehalose dimycolate suppresses Mycobacterium tuberculosis-induced inflammation and virulence. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1660-7	15.9	155
137	A recombinant Mycobacterium smegmatis induces potent bactericidal immunity against Mycobacterium tuberculosis. <i>Nature Medicine</i> , 2011 , 17, 1261-8	50.5	154

136	Deletion of kasB in Mycobacterium tuberculosis causes loss of acid-fastness and subclinical latent tuberculosis in immunocompetent mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 5157-62	11.5	153
135	Auxotrophic vaccines for tuberculosis. <i>Nature Medicine</i> , 1996 , 2, 334-7	50.5	151
134	Mycobacterium tuberculosis DeltaRD1 DeltapanCD: a safe and limited replicating mutant strain that protects immunocompetent and immunocompromised mice against experimental tuberculosis. <i>Vaccine</i> , 2006 , 24, 6309-20	4.1	149
133	Resistance to Isoniazid and Ethionamide in Mycobacterium tuberculosis: Genes, Mutations, and Causalities. <i>Microbiology Spectrum</i> , 2014 , 2, MGM2-0014-2013	8.9	145
132	Crystal structures of mycolic acid cyclopropane synthases from Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 11559-69	5.4	137
131	The Mycobacterium tuberculosis iniA gene is essential for activity of an efflux pump that confers drug tolerance to both isoniazid and ethambutol. <i>Molecular Microbiology</i> , 2005 , 55, 1829-40	4.1	133
130	Mycothioliol biosynthesis is essential for ethionamide susceptibility in Mycobacterium tuberculosis. <i>Molecular Microbiology</i> , 2008 , 69, 1316-29	4.1	132
129	Genome analysis of multi- and extensively-drug-resistant tuberculosis from KwaZulu-Natal, South Africa. <i>PLoS ONE</i> , 2009 , 4, e7778	3.7	126
128	Characterization of a Mycobacterium tuberculosis H37Rv transposon library reveals insertions in 351 ORFs and mutants with altered virulence. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 2975-2986	2.9	117
127	The Mycobacterium tuberculosis cmaA2 gene encodes a mycolic acid trans-cyclopropane synthetase. <i>Journal of Biological Chemistry</i> , 2001 , 276, 2228-33	5.4	108
126	Separable roles for Mycobacterium tuberculosis ESX-3 effectors in iron acquisition and virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E348-57	11.5	105
125	Protection elicited by a double leucine and pantothenate auxotroph of Mycobacterium tuberculosis in guinea pigs. <i>Infection and Immunity</i> , 2004 , 72, 3031-7	3.7	103
124	Genetic Manipulation of Mycobacterium tuberculosis. <i>Current Protocols in Microbiology</i> , 2007 , Chapter 10, Unit 10A.2	7.1	99
123	Suppression of autophagy and antigen presentation by Mycobacterium tuberculosis PE_PGRS47. <i>Nature Microbiology</i> , 2016 , 1, 16133	26.6	96
122	Enhanced respiration prevents drug tolerance and drug resistance in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 4495-4500	11.5	93
121	CD4+ T-cell-independent mechanisms suppress reactivation of latent tuberculosis in a macaque model of HIV coinfection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5636-44	11.5	84
120	Essential roles of methionine and S-adenosylmethionine in the autarkic lifestyle of Mycobacterium tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10008-13	11.5	83
119	Specialized transduction designed for precise high-throughput unmarked deletions in Mycobacterium tuberculosis. <i>MBio</i> , 2014 , 5, e01245-14	7.8	83

118	Herpes simplex type 2 virus deleted in glycoprotein D protects against vaginal, skin and neural disease. <i>ELife</i> , 2015 , 4,	8.9	79
117	An inclusive Research Education Community (iREC): Impact of the SEA-PHAGES program on research outcomes and student learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 13531-13536	11.5	78
116	Identification of Mycobacterium tuberculosis Counterimmune (cim) Mutants in Immunodeficient Mice by Differential Screening. <i>Infection and Immunity</i> , 2009 , 77, 927-927	3.7	78
115	Fluoromycobacteriophages for rapid, specific, and sensitive antibiotic susceptibility testing of Mycobacterium tuberculosis. <i>PLoS ONE</i> , 2009 , 4, e4870	3.7	76
114	Origins of Combination Therapy for Tuberculosis: Lessons for Future Antimicrobial Development and Application. <i>MBio</i> , 2017 , 8,	7.8	75
113	Aging-related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. <i>Aging Cell</i> , 2015 , 14, 582-94	9.9	74
112	An obligately aerobic soil bacterium activates fermentative hydrogen production to survive reductive stress during hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11479-84	11.5	74
111	The mabA gene from the inhA operon of Mycobacterium tuberculosis encodes a 3-ketoacyl reductase that fails to confer isoniazid resistance. <i>Microbiology (United Kingdom)</i> , 1998 , 144 (Pt 10), 2697-2704 ⁶⁶	2.9	66
110	Succinate dehydrogenase is the regulator of respiration in Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , 2014 , 10, e1004510	7.6	61
109	Characterization of Mycobacterium smegmatis expressing the Mycobacterium tuberculosis fatty acid synthase I (fas1) gene. <i>Journal of Bacteriology</i> , 2004 , 186, 4051-5	3.5	59
108	(Φ)GFP10, a high-intensity fluorophage, enables detection and rapid drug susceptibility testing of Mycobacterium tuberculosis directly from sputum samples. <i>Journal of Clinical Microbiology</i> , 2012 , 50, 1362-9	9.7	58
107	A Mycobacterium tuberculosis cytochrome bd oxidase mutant is hypersensitive to bedaquiline. <i>MBio</i> , 2014 , 5, e01275-14	7.8	56
106	Genetic methods for deciphering virulence determinants of Mycobacterium tuberculosis. <i>Methods in Enzymology</i> , 2002 , 358, 67-99	1.7	55
105	Adoptive Transfer of Phosphoantigen-Specific Γ Cell Subset Attenuates Infection in Nonhuman Primates. <i>Journal of Immunology</i> , 2017 , 198, 4753-4763	5.3	54
104	Phosphorylation of KasB regulates virulence and acid-fastness in Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , 2014 , 10, e1004115	7.6	51
103	Detection and drug-susceptibility testing of M. tuberculosis from sputum samples using luciferase reporter phage: comparison with the Mycobacteria Growth Indicator Tube (MGIT) system. <i>Diagnostic Microbiology and Infectious Disease</i> , 2003 , 45, 53-61	2.9	49
102	The Isoniazid Paradigm of Killing, Resistance, and Persistence in Mycobacterium tuberculosis. <i>Journal of Molecular Biology</i> , 2019 , 431, 3450-3461	6.5	47
101	High-dose ascorbic acid synergizes with anti-PD1 in a lymphoma mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1666-1677	11.5	47

100	Rapid identification and susceptibility testing of Mycobacterium tuberculosis from MGIT cultures with luciferase reporter mycobacteriophages. <i>Journal of Medical Microbiology</i> , 2003 , 52, 557-561	3.2	47
99	Deletion of a dehydratase important for intracellular growth and cording renders rough Mycobacterium abscessus avirulent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4228-37	11.5	47
98	Essentiality of succinate dehydrogenase in Mycobacterium smegmatis and its role in the generation of the membrane potential under hypoxia. <i>MBio</i> , 2014 , 5,	7.8	46
97	Mycobacterium tuberculosis EsxH inhibits ESCRT-dependent CD4 T-cell activation. <i>Nature Microbiology</i> , 2016 , 2, 16232	26.6	45
96	Structural characterization of mucopeptides from Chlamydia trachomatis peptidoglycan by mass spectrometry resolves "chlamydial anomaly". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11660-5	11.5	44
95	Dual-Reporter Mycobacteriophages (ϕDRMs) Reveal Preexisting Mycobacterium tuberculosis Persistent Cells in Human Sputum. <i>MBio</i> , 2016 , 7,	7.8	44
94	Two polyketide-synthase-associated acyltransferases are required for sulfolipid biosynthesis in Mycobacterium tuberculosis. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 513-520	2.9	43
93	Immunization of VαVβ T cells programs sustained effector memory responses that control tuberculosis in nonhuman primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6371-6378	11.5	42
92	Herpes simplex virus type 2 glycoprotein H interacts with integrin α3β1 to facilitate viral entry and calcium signaling in human genital tract epithelial cells. <i>Journal of Virology</i> , 2014 , 88, 10026-38	6.6	42
91	Arginine-deprivation-induced oxidative damage sterilizes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9779-9784	11.5	41
90	HSV-2 gD elicits Fcγ2b-effector antibodies that protect against clinical isolates. <i>JCI Insight</i> , 2016 , 1,	9.9	39
89	Rifamycin action on RNA polymerase in antibiotic-tolerant results in differentially detectable populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E4832-E4840	11.5	35
88	Metabolic Network for the Biosynthesis of Intra- and Extracellular β-Glucans Required for Virulence of Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , 2016 , 12, e1005768	7.6	35
87	In vitro culture medium influences the vaccine efficacy of Mycobacterium bovis BCG. <i>Vaccine</i> , 2012 , 30, 1038-49	4.1	34
86	Genomics and proteomics of mycobacteriophage patience, an accidental tourist in the Mycobacterium neighborhood. <i>MBio</i> , 2014 , 5, e02145	7.8	32
85	Plasticity of NADH dehydrogenases and their role in virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1599-1604	11.5	31
84	Interleukin-17A as a Biomarker for Bovine Tuberculosis. <i>Vaccine Journal</i> , 2016 , 23, 168-80		30
83	Balancing Trained Immunity with Persistent Immune Activation and the Risk of Simian Immunodeficiency Virus Infection in Infant Macaques Vaccinated with Attenuated Mycobacterium tuberculosis or Mycobacterium bovis BCG Vaccine. <i>Vaccine Journal</i> , 2017 , 24,		30

82	Central Role of Pyruvate Kinase in Carbon Co-catabolism of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 7060-9	5.4	29
81	Increased TNF- γ /IFN- γ /IL-2 and Decreased TNF- γ /IFN- γ Production by Central Memory T Cells Are Associated with Protective Responses against Bovine Tuberculosis Following BCG Vaccination. <i>Frontiers in Immunology</i> , 2016 , 7, 421	8.4	29
80	Small Molecules Targeting <i>Mycobacterium tuberculosis</i> Type II NADH Dehydrogenase Exhibit Antimycobacterial Activity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3478-3482	16.4	28
79	Laboratory maintenance of <i>Mycobacterium tuberculosis</i> . <i>Current Protocols in Microbiology</i> , 2007 , Chapter 10, Unit 10A.1	7.1	28
78	The capsule: a cell structure with key implications in pathogenesis. <i>Biochemical Journal</i> , 2019 , 476, 1995-2016	3.0	27
77	Noncanonical SMC protein in <i>Mycobacterium smegmatis</i> restricts maintenance of <i>Mycobacterium fortuitum</i> plasmids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 13264-71	11.5	27
76	Targeting <i>Mycobacterium tuberculosis</i> Tumor Necrosis Factor Alpha-Downregulating Genes for the Development of Antituberculous Vaccines. <i>MBio</i> , 2016 , 7,	7.8	26
75	Protection elicited by two glutamine auxotrophs of <i>Mycobacterium tuberculosis</i> and in vivo growth phenotypes of the four unique glutamine synthetase mutants in a murine model. <i>Infection and Immunity</i> , 2006 , 74, 6491-5	3.7	26
74	Trehalose-6-Phosphate-Mediated Toxicity Determines Essentiality of OtsB2 in <i>Mycobacterium tuberculosis</i> In Vitro and in Mice. <i>PLoS Pathogens</i> , 2016 , 12, e1006043	7.6	26
73	Defects in glycopeptidolipid biosynthesis confer phage I3 resistance in <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 4050-4057	2.9	25
72	Vaccine-Elicited Mucosal and Systemic Antibody Responses Are Associated with Reduced Simian Immunodeficiency Viremia in Infant Rhesus Macaques. <i>Journal of Virology</i> , 2016 , 90, 7285-7302	6.6	24
71	Determinants of the Inhibition of DprE1 and CYP2C9 by Antitubercular Thiophenes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13011-13015	16.4	24
70	A Herpes Simplex Virus (HSV)-2 Single-Cycle Candidate Vaccine Deleted in Glycoprotein D Protects Male Mice From Lethal Skin Challenge With Clinical Isolates of HSV-1 and HSV-2. <i>Journal of Infectious Diseases</i> , 2018 , 217, 754-758	7	24
69	Reporter phage and breath tests: emerging phenotypic assays for diagnosing active tuberculosis, antibiotic resistance, and treatment efficacy. <i>Journal of Infectious Diseases</i> , 2011 , 204 Suppl 4, S1142-50	7	24
68	Defining a temporal order of genetic requirements for development of mycobacterial biofilms. <i>Molecular Microbiology</i> , 2017 , 105, 794-809	4.1	23
67	Vitamin C Potentiates the Killing of <i>Mycobacterium tuberculosis</i> by the First-Line Tuberculosis Drugs Isoniazid and Rifampin in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	22
66	The Complete Genome Sequence of the Emerging Pathogen <i>Mycobacterium haemophilum</i> Explains Its Unique Culture Requirements. <i>MBio</i> , 2015 , 6, e01313-15	7.8	22
65	The Type of Growth Medium Affects the Presence of a Mycobacterial Capsule and Is Associated With Differences in Protective Efficacy of BCG Vaccination Against <i>Mycobacterium tuberculosis</i> . <i>Journal of Infectious Diseases</i> , 2016 , 214, 426-37	7	22

64	Improving Mycobacterium bovis bacillus Calmette-Guérin as a vaccine delivery vector for viral antigens by incorporation of glycolipid activators of NKT cells. <i>PLoS ONE</i> , 2014 , 9, e108383	3.7	21
63	Infect and Inject: How Exploits Its Major Virulence-Associated Type VII Secretion System, ESX-1. <i>Microbiology Spectrum</i> , 2019 , 7,	8.9	20
62	Sterilization of Mycobacterium tuberculosis Erdman samples by antimicrobial fixation in a biosafety level 3 laboratory. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 769-71	9.7	20
61	Derailing the aspartate pathway of Mycobacterium tuberculosis to eradicate persistent infection. <i>Nature Communications</i> , 2019 , 10, 4215	17.4	19
60	Evolution of a thienopyrimidine antitubercular relying on medicinal chemistry and metabolomics insights. <i>Tetrahedron Letters</i> , 2015 , 56, 3246-3250	2	19
59	A Novel Reporter Phage To Detect Tuberculosis and Rifampin Resistance in a High-HIV-Burden Population. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 2188-94	9.7	19
58	A neonatal oral -SIV prime / intramuscular MVA-SIV boost combination vaccine induces both SIV and -specific immune responses in infant macaques. <i>Trials in Vaccinology</i> , 2013 , 2, 53-63		18
57	Efficient allelic exchange and transposon mutagenesis in Mycobacterium avium by specialized transduction. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 5039-44	4.8	18
56	Fluorescent Reporter DS6A Mycobacteriophages Reveal Unique Variations in Infectibility and Phage Production in Mycobacteria. <i>Journal of Bacteriology</i> , 2016 , 198, 3220-3232	3.5	18
55	Post-translational Acetylation of MbtA Modulates Mycobacterial Siderophore Biosynthesis. <i>Journal of Biological Chemistry</i> , 2016 , 291, 22315-22326	5.4	16
54	The immunogenicity of recombinant Mycobacterium smegmatis bearing BCG genes. <i>Microbiology (United Kingdom)</i> , 1995 , 141 (Pt 5), 1239-1245	2.9	16
53	Reduced virulence of an extensively drug-resistant outbreak strain of Mycobacterium tuberculosis in a murine model. <i>PLoS ONE</i> , 2014 , 9, e94953	3.7	16
52	Rational Design of Biosafety Level 2-Approved, Multidrug-Resistant Strains of Mycobacterium tuberculosis through Nutrient Auxotrophy. <i>MBio</i> , 2018 , 9,	7.8	16
51	Genome-wide mutational biases fuel transcriptional diversity in the Mycobacterium tuberculosis complex. <i>Nature Communications</i> , 2019 , 10, 3994	17.4	15
50	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. <i>Nature Immunology</i> , 2020 , 21, 86-100	19.1	15
49	Stable Expression of Lentiviral Antigens by Quality-Controlled Recombinant Mycobacterium bovis BCG Vectors. <i>Vaccine Journal</i> , 2015 , 22, 726-41		14
48	Isolation and analysis of Mycobacterium tuberculosis mycolic acids. <i>Current Protocols in Microbiology</i> , 2007 , Chapter 10, Unit 10A.3	7.1	14
47	Genetic dissection of mycobacterial biofilms. <i>Methods in Molecular Biology</i> , 2015 , 1285, 215-26	1.4	14

46	Investigation of the mycobacterial enzyme HsaD as a potential novel target for anti-tubercular agents using a fragment-based drug design approach. <i>British Journal of Pharmacology</i> , 2017 , 174, 2209-2224	8.6	13
45	Gene Deletion in Herpes Simplex Virus Type 2 Enhances Dendritic Cell Function and T Cell Activation. <i>Frontiers in Immunology</i> , 2017 , 8, 1523	8.4	13
44	A Nonribosomal Peptide Synthase Gene Driving Virulence in Mycobacterium tuberculosis. <i>MSphere</i> , 2018 , 3,	5	13
43	Gene deletions in Mycobacterium bovis BCG stimulate increased CD8+ T cell responses. <i>Infection and Immunity</i> , 2014 , 82, 5317-26	3.7	12
42	Postprimary Tuberculosis and Macrophage Necrosis: Is There a Big ConNEction?. <i>MBio</i> , 2016 , 7, e01589-158	1.5	11
41	Addressing the Metabolic Stability of Antituberculars through Machine Learning. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 1099-1104	4.3	11
40	Helicobacter pylori Infections in the Bronx, New York: Surveying Antibiotic Susceptibility and Strain Lineage by Whole-Genome Sequencing. <i>Journal of Clinical Microbiology</i> , 2020 , 58,	9.7	11
39	Identification of Mycobacterial RplJ/L10 and RpsA/S1 Proteins as Novel Targets for CD4 T Cells. <i>Infection and Immunity</i> , 2017 , 85,	3.7	10
38	Early Detection of Emergent Extensively Drug-Resistant Tuberculosis by Flow Cytometry-Based Phenotyping and Whole-Genome Sequencing. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	10
37	Gene Transfer in Mycobacterium tuberculosis: Shuttle Phasmids to Enlightenment. <i>Microbiology Spectrum</i> , 2014 , 2,	8.9	10
36	Recombinant Mycobacterium bovis bacillus Calmette-Guérin vectors prime for strong cellular responses to simian immunodeficiency virus gag in rhesus macaques. <i>Vaccine Journal</i> , 2014 , 21, 1385-95		10
35	Molecular Genetic Strategies for Identifying Virulence Determinants of Mycobacterium tuberculosis	253-268	10
34	Infection of mice with aerosolized Mycobacterium tuberculosis: use of a nose-only apparatus for delivery of low doses of inocula and design of an ultrasafe facility. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4646-9	4.8	8
33	Drivers and sites of diversity in the DNA adenine methylomes of 93 complex clinical isolates. <i>ELife</i> , 2020 , 9,	8.9	8
32	Loss of phenotypic inheritance associated with mutation leads to increased frequency of small, slow persisters in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4152-4157	11.5	7
31	ESX1-dependent fractalkine mediates chemotaxis and Mycobacterium tuberculosis infection in humans. <i>Tuberculosis</i> , 2014 , 94, 262-70	2.6	7
30	Transcriptome Analysis of Mycobacteria-Specific CD4 T Cells Identified by Activation-Induced Expression of CD154. <i>Journal of Immunology</i> , 2017 , 199, 2596-2606	5.3	6
29	A Single-Cycle Glycoprotein D Deletion Viral Vaccine Candidate, gD-2, Elicits Polyfunctional Antibodies That Protect against Ocular Herpes Simplex Virus. <i>Journal of Virology</i> , 2020 , 94,	6.6	6

28	Small Molecules Targeting Mycobacterium tuberculosis Type II NADH Dehydrogenase Exhibit Antimycobacterial Activity. <i>Angewandte Chemie</i> , 2018 , 130, 3536-3540	3.6	5
27	Suppression of Th1 Priming by TLR2 Agonists during Cutaneous Immunization Is Mediated by Recruited CCR2 Monocytes. <i>Journal of Immunology</i> , 2018 , 201, 3604-3616	5.3	5
26	A fragment-based approach to assess the ligandability of ArgB, ArgC, ArgD and ArgF in the L-arginine biosynthetic pathway of. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 3491-3506	6.8	5
25	3-(Phenethylamino)demethyl(oxy)aptamine as an anti-dormant mycobacterial substance: Isolation, evaluation and total synthesis. <i>Tetrahedron Letters</i> , 2020 , 61,	2	4
24	Measurements of the in vitro anti-mycobacterial activity of ivermectin are method-dependent. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 1723-4	5.1	4
23	Transposon mutagenesis in mycobacteria using conditionally replicating mycobacteriophages. <i>Methods in Molecular Medicine</i> , 2001 , 54, 43-57		4
22	Infect and Inject 2020 , 113-126		3
21	Synthesis and biological activity of alkynoic acids derivatives against mycobacteria. <i>Chemistry and Physics of Lipids</i> , 2016 , 194, 125-38	3.7	3
20	Identification of Mycobacterial Ribosomal Proteins as Targets for CD4 T Cells That Enhance Protective Immunity in Tuberculosis. <i>Infection and Immunity</i> , 2018 , 86,	3.7	3
19	Induction of high levels of protective immunity in mice after vaccination using dendritic cells infected with auxotrophic mutants of Mycobacterium tuberculosis. <i>Immunology Letters</i> , 2006 , 103, 196-9 ^{4.1}		3
18	Leprosy vaccine. <i>Nature</i> , 1994 , 368, 579	50.4	3
17	Generation of IL-3-Secreting CD4 T Cells by Microbial Challenge at Skin and Mucosal Barriers. <i>ImmunoHorizons</i> , 2019 , 3, 161-171	2.7	3
16	Nanoluciferase Reporter Mycobacteriophage for Sensitive and Rapid Detection of Mycobacterium tuberculosis Drug Susceptibility. <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	3
15	Exacting Edward Jenner's revenge: The quest for a new tuberculosis vaccine. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	2
14	HVEM signaling promotes protective antibody-dependent cellular cytotoxicity (ADCC) vaccine responses to herpes simplex viruses. <i>Science Immunology</i> , 2020 , 5,	28	2
13	BCG-Prime and boost with Esx-5 secretion system deletion mutant leads to better protection against clinical strains of Mycobacterium tuberculosis. <i>Vaccine</i> , 2020 , 38, 7156-7165	4.1	2
12	Exploiting Pre-Existing CD4 T Cell Help from Bacille Calmette-Guérin Vaccination to Improve Antiviral Antibody Responses. <i>Journal of Immunology</i> , 2020 , 205, 425-437	5.3	1
11	Characterization of Large Deletion Mutants of Mycobacterium tuberculosis Selected for Isoniazid Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	1

10	Analyses of Mycobacterium tuberculosis proteins. <i>Current Protocols in Microbiology</i> , 2007 , Chapter 10, Unit 10A.4	7.1	1
9	The promises and limitations of acetylcysteine as a potentiator of first-line and second-line tuberculosis drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 ,	5.9	1
8	A recombinant herpes virus expressing influenza hemagglutinin confers protection and induces antibody-dependent cellular cytotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
7	2165. Helicobacter pylori Infections in the Bronx, New York: Whole-Genome Sequencing for Rapid Genotypic Susceptibility Testing. <i>Open Forum Infectious Diseases</i> , 2019 , 6, S734-S735	1	0
6	Elimination of PknL and MSMEG_4242 in alters the character of the outer cell envelope and selects for mutations in Lsr2. <i>Cell Surface</i> , 2021 , 7, 100060	4.8	0
5	Establishing Models of Herpes Simplex Virus Type 2 Superinfection of Herpes Simplex Virus Type 1 Seropositive Mice to Test The Efficacy of a Novel Vaccine. <i>Open Forum Infectious Diseases</i> , 2017 , 4, S309-S309	1	0
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3	Measurements of the in vitro anti-mycobacterial activity of ivermectin are method-dependent--authors response. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 1725-6	5.1	
2	Alteration of Metabolic Program by whiB6 Enhances Tuberculosis Persistence. <i>FASEB Journal</i> , 2012 , 26, 222.3	0.9	
1	Reply to Yew et al., "Vitamin C and Mycobacterium tuberculosis Persists". <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	