

# Brian C Weinrick

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

2,345  
citations

279798

23  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycobacterium tuberculosis is extraordinarily sensitive to killing by a vitamin C-induced Fenton reaction. <i>Nature Communications</i> , 2013, 4, 1881.	12.8	261
2	Identification of a small molecule with activity against drug-resistant and persistent tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2510-7.	7.1	188
3	Trehalose-recycling ABC transporter LpqY-SugA-SugB-SugC is essential for virulence of <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21761-21766.	7.1	177
4	Effect of Mild Acid on Gene Expression in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 8407-8423.	2.2	173
5	Role for <i>Mycobacterium tuberculosis</i> Membrane Vesicles in Iron Acquisition. <i>Journal of Bacteriology</i> , 2014, 196, 1250-1256.	2.2	164
6	Enhanced respiration prevents drug tolerance and drug resistance in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4495-4500.	7.1	157
7	Self-poisoning of <i>Mycobacterium tuberculosis</i> by targeting GlgE in an Î±-glucan pathway. <i>Nature Chemical Biology</i> , 2010, 6, 376-384.	8.0	141
8	Keto-Mycolic Acid-Dependent Pellicle Formation Confers Tolerance to Drug-Sensitive <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2013, 4, e00222-13.	4.1	103
9	Arginine-deprivation-induced oxidative damage sterilizes <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9779-9784.	7.1	97
10	Role of Streptolysin O in a Mouse Model of Invasive Group A Streptococcal Disease. <i>Infection and Immunity</i> , 2000, 68, 6384-6390.	2.2	90
11	Succinate Dehydrogenase is the Regulator of Respiration in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004510.	4.7	87
12	Enhanced control of <i>Mycobacterium tuberculosis</i> extrapulmonary dissemination in mice by an arabinomannan-protein conjugate vaccine. <i>PLoS Pathogens</i> , 2017, 13, e1006250.	4.7	74
13	Dual-Reporter Mycobacteriophages (Î² <sup>2</sup> DRMs) Reveal Preexisting <i>Mycobacterium tuberculosis</i> Persistent Cells in Human Sputum. <i>MBio</i> , 2016, 7, .	4.1	67
14	Efficacy and immunogenicity of <i>Mycobacterium bovis</i> Î³ <sup>RD1</sup> against aerosol <i>M. bovis</i> infection in neonatal calves. <i>Vaccine</i> , 2009, 27, 1201-1209.	3.8	66
15	Phosphorylation of KasB Regulates Virulence and Acid-Fastness in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004115.	4.7	63
16	Plasticity of <i>Mycobacterium tuberculosis</i> 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.	7.1	58
17	HSV-2 Î³ <sup>gD</sup> elicits FcÎ³R-effector antibodies that protect against clinical isolates. <i>JCI Insight</i> , 2016, 1, .	5.0	56
18	Structural characterization of mucopeptides from <i>Chlamydia trachomatis</i> peptidoglycan by mass spectrometry resolves a chlamydial anomaly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11660-11665.	7.1	55

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19	Rational Design of Biosafety Level 2-Approved, Multidrug-Resistant Strains of Mycobacterium tuberculosis through Nutrient Auxotrophy. MBio, 2018, 9, .	4.1	50
20	NAD <sup>+</sup> auxotrophy is bacteriocidal for the tubercle bacilli. Molecular Microbiology, 2010, 76, 365-377.	2.5	49
21	High-throughput phenotyping reveals expansive genetic and structural underpinnings of immune variation. Nature Immunology, 2020, 21, 86-100.	14.5	32
22	Vaginal microbiome modulates topical antiretroviral drug pharmacokinetics. JCI Insight, 2018, 3, .	5.0	30
23	The Type of Growth Medium Affects the Presence of a Mycobacterial Capsule and Is Associated With Differences in Protective Efficacy of BCG Vaccination Against Mycobacterium tuberculosis. Journal of Infectious Diseases, 2016, 214, 426-437.	4.0	29
24	Drivers and sites of diversity in the DNA adenine methylomes of 93 Mycobacterium tuberculosis complex clinical isolates. ELife, 2020, 9, .	6.0	24
25	The p60 and NamA autolysins from Legionella monocytogenes contribute to host colonization and induction of protective memory. Cellular Microbiology, 2015, 17, 147-163.	2.1	10
26	Restoration of Mga Function to a Streptococcus pyogenes Strain (M Type 50) That Is Virulent in Mice. Infection and Immunity, 2001, 69, 1215-1220.	2.2	9
27	Multiple genetic paths including massive gene amplification allow Mycobacterium tuberculosis to overcome loss of ESX-3 secretion system substrates. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	9
28	Role of Streptolysin O in a Mouse Model of Invasive Group A Streptococcal Disease. Infection and Immunity, 2000, 68, 6384-6390.	2.2	8
29	Characterization of Large Deletion Mutants of Mycobacterium tuberculosis Selected for Isoniazid Resistance. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	3
30	Genotyping of Mycobacterium tuberculosis Rifampin Resistance-Associated Mutations by Use of Data from Xpert MTB/RIF Ultra Enables Large-Scale Tuberculosis Molecular Epidemiology Studies. Journal of Clinical Microbiology, 2019, 58, .	3.9	1
31	Herpes Simplex Virus (HSV)-2 Candidate Vaccine Virus Deleted in Glycoprotein D (gD-2) Elicits High-Titer Immunoglobulin (Ig)G2 Antibodies With Antibody-Dependent Cell-Mediated Cytotoxicity (ADCC) Activity, Protects Mice From Skin and Vaginal Challenge With Clinical Isolates of HSV-1 and HSV-2, and Prevents the Establishment of Latency. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
32	Alteration of Metabolic Program by whiB6 Enhances Tuberculosis Persistence. FASEB Journal, 2012, 26, 222.3.	0.5	0