Brian C Vanderven

List of Publications by Year
in descending order

32	2,388	393982 19	454577 30
papers	citations	h-index	g-index

37	37	37	3670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pharmacological and genetic activation of cAMP synthesis disrupts cholesterol utilization in Mycobacterium tuberculosis. PLoS Pathogens, 2022, 18, e1009862.	2.1	11
2	Iron limitation in M. tuberculosis has broad impact on central carbon metabolism. Communications Biology, 2022, 5, .	2.0	13
3	Transcriptional response to the host cell environment of a multidrug-resistant Mycobacterium tuberculosis clonal outbreak Beijing strain reveals its pathogenic features. Scientific Reports, 2021, 11, 3199.	1.6	11
4	Reductive Power Generated by Mycobacterium leprae Through Cholesterol Oxidation Contributes to Lipid and ATP Synthesis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 709972.	1.8	10
5	Mycobacterium tuberculosis requires glyoxylate shunt and reverse methylcitrate cycle for lactate and pyruvate metabolism. Molecular Microbiology, 2019, 112, 1284-1307.	1.2	74
6	Immunometabolism at the interface between macrophages and pathogens. Nature Reviews Immunology, 2019, 19, 291-304.	10.6	285
7	Comparing the Metabolic Capabilities of Bacteria in the Mycobacterium tuberculosis Complex. Microorganisms, 2019, 7, 177.	1.6	27
8	The genetic requirements of fatty acid import by Mycobacterium tuberculosis within macrophages. ELife, 2019, 8, .	2.8	56
9	Cholesterol and fatty acids grease the wheels of Mycobacterium tuberculosis pathogenesis. Pathogens and Disease, 2018, 76, .	0.8	127
10	Flow Cytometric Quantification of Fatty Acid Uptake by Mycobacterium tuberculosis in Macrophages. Bio-protocol, 2018, 8, .	0.2	7
11	Chemical activation of adenylyl cyclase Rv1625c inhibits growth of Mycobacterium tuberculosis on cholesterol and modulates intramacrophage signaling. Molecular Microbiology, 2017, 105, 294-308.	1.2	26
12	Lysosome-mediated degradation of a distinct pool of lipid droplets during hepatic stellate cell activation. Journal of Biological Chemistry, 2017, 292, 12436-12448.	1.6	46
13	Novel protein acetyltransferase, Rv2170, modulates carbon and energy metabolism in Mycobacterium tuberculosis. Scientific Reports, 2017, 7, 72.	1.6	16
14	2-N-Arylthiazole inhibitors of Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3987-3991.	1.0	4
15	Rv3723/LucA coordinates fatty acid and cholesterol uptake in Mycobacterium tuberculosis. ELife, 2017, 6, .	2.8	137
16	The Minimal Unit of Infection:Mycobacterium tuberculosisin the Macrophage. Microbiology Spectrum, 2016, 4, .	1.2	35
17	Immune activation of the host cell induces drug tolerance in Mycobacterium tuberculosis both in vitro and in vivo. Journal of Experimental Medicine, 2016, 213, 809-825.	4.2	169
18	Chewing the fat: lipid metabolism and homeostasis during M. tuberculosis infection. Current Opinion in Microbiology, 2016, 29, 30-36.	2.3	118

#	Article	IF	Citations
19	Novel Inhibitors of Cholesterol Degradation in Mycobacterium tuberculosis Reveal How the Bacteriumâ€™s Metabolism Is Constrained by the Intracellular Environment. PLoS Pathogens, 2015, 11, e1004679.	2.1	245
20	The Sculpting of theMycobacterium tuberculosisGenome by Host Cellâ€“Derived Pressures. Microbiology Spectrum, 2014, 2, .	1.2	3
21	Dynamic Quantitative Assays of Phagosomal Function. Current Protocols in Immunology, 2013, 102, 14.34.1-14.34.14.	3.6	25
22	Intracellular Mycobacterium tuberculosis Exploits Host-derived Fatty Acids to Limit Metabolic Stress. Journal of Biological Chemistry, 2013, 288, 6788-6800.	1.6	352
23	Cholesterol Metabolism in Mycobacterium tuberculosis: Chewing Through the Fat. FASEB Journal, 2012, 26, 222.2.	0.2	0
24	Magnesium depletion triggers production of an immune modulating diterpenoid in Mycobacterium tuberculosis. Molecular Microbiology, 2011, 79, 1594-1601.	1.2	16
25	Pathway Profiling in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2011, 286, 43668-43678.	1.6	89
26	Development of a novel, cellâ€based chemical screen to identify inhibitors of intraphagosomal lipolysis in macrophages. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 751-760.	1.1	11
27	Mycobacterium tuberculosis Wears What It Eats. Cell Host and Microbe, 2010, 8, 68-76.	5.1	166
28	The macrophage marches on its phagosome: dynamic assays of phagosome function. Nature Reviews Immunology, 2009, 9, 594-600.	10.6	168
29	Intraphagosomal Measurement of the Magnitude and Duration of the Oxidative Burst. Traffic, 2009, 10, 372-378.	1.3	84
30	Intraphagosomal measurement of the magnitude and duration of the oxidative burst.. Traffic, 2009, 10, 372-8.	1.3	48
31	The Minimal Unit of Infection:Mycobacterium tuberculosisin the Macrophage. , 0, , 635-652.		3
32	The Sculpting of the Mycobacterium tuberculosis Genome by Host Cell-Derived Pressures. , 0, , 727-745.		0