David G Russell

List of Publications by Citations

206 papers	17,778 citations	70 h-index	132 g-index
241 ext. papers	20,169 ext. citations	9.7 avg, IF	6.82 L-index

#	Paper	IF	Citations
206	Disseminated tuberculosis in interferon gamma gene-disrupted mice. *Journal of Experimental Medicine*, **1993**, 178, 2243-7	16.6	1641
205	Persistence of Mycobacterium tuberculosis in macrophages and mice requires the glyoxylate shunt enzyme isocitrate lyase. *Nature*, **2000**, 406, 735-8	50.4	1091
204	Lack of acidification in Mycobacterium phagosomes produced by exclusion of the vesicular proton-ATPase. *Science*, **1994**, 263, 678-81	33.3	1091
203	Mycobacterium tuberculosis: here today, and here tomorrow. *Nature Reviews Molecular Cell Biology* , **2001**, 2, 569-77	48.7	582
202	Foamy macrophages and the progression of the human tuberculosis granuloma. *Nature Immunology*, **2009**, 10, 943-8	19.1	529
201	Who puts the tubercle in tuberculosis?. *Nature Reviews Microbiology*, **2007**, 5, 39-47	22.2	451
200	On the molecular mechanism of chloroquine's antimalarial action. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 11865-70	11.5	405
199	Tuberculosis: what we don't know can, and does, hurt us. *Science*, **2010**, 328, 852-6	33.3	376
198	Elemental analysis of Mycobacterium avium-, Mycobacterium tuberculosis-, and Mycobacterium smegmatis-containing phagosomes indicates pathogen-induced microenvironments within the host cell's endosomal system. *Journal of Immunology*, **2005**, 174, 1491-500	5.3	328
197	Caseation of human tuberculosis granulomas correlates with elevated host lipid metabolism. *EMBO Molecular Medicine*, **2010**, 2, 258-74	12	316
196	Trafficking and release of mycobacterial lipids from infected macrophages. *Traffic*, **2000**, 1, 235-47	5.7	278
195	Mycobacterium tuberculosis and the environment within the phagosome. *Immunological Reviews*, **2007**, 219, 37-54	11.3	270
194	Lysosomal killing of Mycobacterium mediated by ubiquitin-derived peptides is enhanced by autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6031-6	11.5	265
193	Mycobacterium tuberculosis invasion of macrophages: linking bacterial gene expression to environmental cues. *Cell Host and Microbe*, **2007**, 2, 352-64	23.4	264
192	Isolation of Mycobacterium tuberculosis mutants defective in the arrest of phagosome maturation. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 13642-7	11.5	250
191	Intracellular Mycobacterium tuberculosis exploits host-derived fatty acids to limit metabolic stress. *Journal of Biological Chemistry*, **2013**, 288, 6788-800	5.4	241
190	The interaction of Leishmania species with macrophages. *Advances in Parasitology*, **1992**, 31, 175-254	3.2	225

189	Growth of in vivo segregates with host macrophage metabolism and ontogeny. *Journal of Experimental Medicine*, **2018**, 215, 1135-1152	16.6	216
188	MARCO, TLR2, and CD14 are required for macrophage cytokine responses to mycobacterial trehalose dimycolate and Mycobacterium tuberculosis. *PLoS Pathogens*, **2009**, 5, e1000474	7.6	215
187	Characterization of activity and expression of isocitrate lyase in Mycobacterium avium and Mycobacterium tuberculosis. *Journal of Bacteriology*, **1999**, 181, 7161-7	3.5	207
186	Adherent and invasive Escherichia coli is associated with granulomatous colitis in boxer dogs. *Infection and Immunity*, **2006**, 74, 4778-92	3.7	206
185	Complement receptor type 3 (CR3) binds to an Arg-Gly-Asp-containing region of the major surface glycoprotein, gp63, of Leishmania promastigotes. *Journal of Experimental Medicine*, **1988**, 168, 279-92	16.6	201
184	Mycobacterium tuberculosis and the intimate discourse of a chronic infection. *Immunological Reviews*, **2011**, 240, 252-68	11.3	193
183	Linking the transcriptional profiles and the physiological states of Mycobacterium tuberculosis during an extended intracellular infection. *PLoS Pathogens*, **2012**, 8, e1002769	7.6	187
182	Structure of isocitrate lyase, a persistence factor of Mycobacterium tuberculosis. *Nature Structural Biology*, **2000**, 7, 663-8		187
181	Functional genetic diversity among Mycobacterium tuberculosis complex clinical isolates: delineation of conserved core and lineage-specific transcriptomes during intracellular survival. *PLoS Pathogens*, **2010**, 6, e1000988	7.6	185
180	Effective immunization against cutaneous leishmaniasis with recombinant bacille Calmette-Guérin expressing the Leishmania surface proteinase gp63. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 11473-7	11.5	185
179	Mycobacterial persistence: adaptation to a changing environment. *Trends in Microbiology*, **2001**, 9, 597-605	12.4	179
178	Phagosome maturation proceeds independently of stimulation of toll-like receptors 2 and 4. *Immunity*, **2005**, 23, 409-17	32.3	174
177	Infection by tubercular mycobacteria is spread by nonlytic ejection from their amoeba hosts. *Science*, **2009**, 323, 1729-33	33.3	164
176	Novel inhibitors of cholesterol degradation in Mycobacterium tuberculosis reveal how the bacterium's metabolism is constrained by the intracellular environment. *PLoS Pathogens*, **2015**, 11, e1004679	7.6	163
175	The kinetics of phagosome maturation as a function of phagosome/lysosome fusion and acquisition of hydrolytic activity. *Traffic*, **2005**, 6, 413-20	5.7	162
174	Immunometabolism at the interface between macrophages and pathogens. *Nature Reviews Immunology*, **2019**, 19, 291-304	36.5	159
173	Mycobacterium bovis Bacille Calmette-Guérin strains secreting listeriolysin of Listeria monocytogenes. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 5299-304	11.5	159
172	In vivo activity of released cell wall lipids of Mycobacterium bovis bacillus Calmette-Guérin is due principally to trehalose mycolates. *Journal of Immunology*, **2005**, 174, 5007-15	5.3	157

171	Cysteine protease inhibitors as chemotherapy: lessons from a parasite target. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 11015-22	11.5	156
170	Mycobacterium and the coat of many lipids. *Journal of Cell Biology*, **2002**, 158, 421-6	7.3	142
169	Mycobacterium tuberculosis wears what it eats. *Cell Host and Microbe*, **2010**, 8, 68-76	23.4	139
168	The promastigote surface protease (gp63) of Leishmania is expressed but differentially processed and localized in the amastigote stage. *Molecular and Biochemical Parasitology*, **1989**, 37, 263-73	1.9	139
167	The macrophage marches on its phagosome: dynamic assays of phagosome function. *Nature Reviews Immunology*, **2009**, 9, 594-600	36.5	136
166	Acylation-dependent protein export in Leishmania. *Journal of Biological Chemistry*, **2000**, 275, 11017-25	5.4	130
165	Identification of mycobacterial surface proteins released into subcellular compartments of infected macrophages. *Infection and Immunity*, **2000**, 68, 6997-7002	3.7	127
164	aprABC: a Mycobacterium tuberculosis complex-specific locus that modulates pH-driven adaptation to the macrophage phagosome. *Molecular Microbiology*, **2011**, 80, 678-94	4.1	125
163	Small alveolar macrophages are infected preferentially by HIV and exhibit impaired phagocytic function. *Mucosal Immunology*, **2014**, 7, 1116-26	9.2	122
162	Infection of macrophages with Mycobacterium tuberculosis induces global modifications to phagosomal function. *Cellular Microbiology*, **2013**, 15, 843-59	3.9	117
161	Genes encoding the major surface glycoprotein in Leishmania are tandemly linked at a single chromosomal locus and are constitutively transcribed. *Molecular and Biochemical Parasitology*, **1989**, 32, 271-83	1.9	113
160	Golgi GDP-mannose Uptake Requires Leishmania LPG2. *Journal of Biological Chemistry*, **1997**, 272, 3799-3805	5.4	111
159	Biochemical and structural studies of malate synthase from Mycobacterium tuberculosis. *Journal of Biological Chemistry*, **2003**, 278, 1735-43	5.4	109
158	Structural characterization of cardiolipin by tandem quadrupole and multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. *Journal of the American Society for Mass Spectrometry*, **2005**, 16, 491-504	3.5	109
157	Macrophage activation downregulates the degradative capacity of the phagosome. *Traffic*, **2007**, 8, 241-50	5.7	106
156	Leishmania and the macrophage: a marriage of inconvenience. *Trends in Immunology*, **1989**, 10, 328-33		104
155	Induction of ER stress in macrophages of tuberculosis granulomas. *PLoS ONE*, **2010**, 5, e12772	3.7	100
154	Mycobacterial surface moieties are released from infected macrophages by a constitutive exocytic event. *European Journal of Cell Biology*, **2001**, 80, 31-40	6.1	100

153	Subpellicular and flagellar microtubules of Trypanosoma brucei brucei contain the same alpha-tubulin isoforms. *Journal of Cell Biology*, **1987**, 104, 431-8	7.3	99
152	Immune activation of the host cell induces drug tolerance in Mycobacterium tuberculosis both in vitro and in vivo. *Journal of Experimental Medicine*, **2016**, 213, 809-25	16.6	99
151	Vesicle size influences the trafficking, processing, and presentation of antigens in lipid vesicles. *Journal of Immunology*, **2004**, 173, 6143-50	5.3	97
150	Mycobacterium tuberculosis resides in nonacidified vacuoles in endocytically competent alveolar macrophages from patients with tuberculosis and HIV infection. *Journal of Immunology*, **2004**, 172, 4592-8	5.3	94
149	Characterization of the internalization of bacillus Calmette-Guerin by human bladder tumor cells. *Journal of Clinical Investigation*, **1993**, 91, 69-76	15.9	94
148	Mycobacterium tuberculosis responds to chloride and pH as synergistic cues to the immune status of its host cell. *PLoS Pathogens*, **2013**, 9, e1003282	7.6	91
147	Identification and macrophage-activating activity of glycolipids released from intracellular Mycobacterium bovis BCG. *Molecular Microbiology*, **2003**, 48, 875-88	4.1	91
146	The macrophage-attachment glycoprotein gp63 is the predominant C3-acceptor site on Leishmania mexicana promastigotes. *FEBS Journal*, **1987**, 164, 213-21		89
145	Rv3723/LucA coordinates fatty acid and cholesterol uptake in. *ELife*, **2017**, 6,	8.9	83
144	The interaction between Mycobacterium and the macrophage analyzed by two-dimensional polyacrylamide gel electrophoresis. *Electrophoresis*, **1997**, 18, 2558-65	3.6	79
143	The Mycobacterium tuberculosis ino1 gene is essential for growth and virulence. *Molecular Microbiology*, **2004**, 51, 1003-14	4.1	78
142	Nutritional Status and Measles Antibody Titer in Children Living in Urban Slums of Mumbai. *Current Developments in Nutrition*, **2020**, 4, 1524-1524	0.4	78
141	Pathway profiling in Mycobacterium tuberculosis: elucidation of cholesterol-derived catabolite and enzymes that catalyze its metabolism. *Journal of Biological Chemistry*, **2011**, 286, 43668-43678	5.4	77
140	pckA-deficient Mycobacterium bovis BCG shows attenuated virulence in mice and in macrophages. *Microbiology (United Kingdom)*, **2003**, 149, 1829-1835	2.9	77
139	Phagosomes, fatty acids and tuberculosis. *Nature Cell Biology*, **2003**, 5, 776-8	23.4	76
138	Intraphagosomal Measurement of the Magnitude and Duration of the Oxidative Burst. *Traffic*, **2009**, 10, 372-378	5.7	73
137	Structurally distinct genes for the surface protease of Leishmania mexicana are developmentally regulated. *Molecular and Biochemical Parasitology*, **1993**, 57, 31-45	1.9	72
136	Mycobacterium and Leishmania: stowaways in the endosomal network. *Trends in Cell Biology*, **1995**, 5, 125-8	18.3	69

135	Household air pollution causes dose-dependent inflammation and altered phagocytosis in human macrophages. *American Journal of Respiratory Cell and Molecular Biology*, **2015**, 52, 584-93	5.7	67
134	Dual RNA-Seq of Mtb-Infected Macrophages In Vivo Reveals Ontologically Distinct Host-Pathogen Interactions. *Cell Reports*, **2020**, 30, 335-350.e4	10.6	66
133	Association of a macrophage galactoside-binding protein with Mycobacterium-containing phagosomes. *Cellular Microbiology*, **2002**, 4, 167-76	3.9	66
132	Direct delivery of procathepsin D to phagosomes: implications for phagosome biogenesis and parasitism by Mycobacterium. *European Journal of Cell Biology*, **1999**, 78, 739-48	6.1	62
131	Enhanced Permeability and Retention-like Extravasation of Nanoparticles from the Vasculature into Tuberculosis Granulomas in Zebrafish and Mouse Models. *ACS Nano*, **2018**, 12, 8646-8661	16.7	60
130	Cell wall lipids from Mycobacterium bovis BCG are inflammatory when inoculated within a gel matrix: characterization of a new model of the granulomatous response to mycobacterial components. *Tuberculosis*, **2005**, 85, 159-76	2.6	58
129	Lesion-Specific Immune Response in Granulomas of Patients with Pulmonary Tuberculosis: A Pilot Study. *PLoS ONE*, **2015**, 10, e0132249	3.7	55
128	Decreased outer membrane permeability protects mycobacteria from killing by ubiquitin-derived peptides. *Molecular Microbiology*, **2009**, 73, 844-57	4.1	55
127	Exploitation of Mycobacterium tuberculosis reporter strains to probe the impact of vaccination at sites of infection. *PLoS Pathogens*, **2014**, 10, e1004394	7.6	50
126	Edaxadiene: a new bioactive diterpene from Mycobacterium tuberculosis. *Journal of the American Chemical Society*, **2009**, 131, 17526-7	16.4	49
125	Interaction of Mycobacterium avium-containing phagosomes with the antigen presentation pathway. *Journal of Immunology*, **2000**, 165, 6073-80	5.3	49
124	Crithidia fasciculata contains a transcribed leishmanial surface proteinase (gp63) gene homologue. *Molecular and Biochemical Parasitology*, **1993**, 57, 47-54	1.9	49
123	Perforin-2 is essential for intracellular defense of parenchymal cells and phagocytes against pathogenic bacteria. *ELife*, **2015**, 4,	8.9	49
122	Real-time spectrofluorometric assays for the lumenal environment of the maturing phagosome. *Methods in Molecular Biology*, **2008**, 445, 311-25	1.4	49
121	Structural characterization of phosphatidyl-myo-inositol mannosides from Mycobacterium bovis Bacillus Calmette Guérin by multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. I. PIMs and lyso-PIMs. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 456-78	3.5	44
120	Structural characterization of phosphatidyl-myo-inositol mannosides from Mycobacterium bovis Bacillus Calmette Guérin by multiple-stage quadrupole ion-trap mass spectrometry with electrospray ionization. II. Monoacyl- and diacyl-PIMs. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 479-92	3.5	43
119	Intraphagosomal measurement of the magnitude and duration of the oxidative burst. *Traffic*, **2009**, 10, 372-8	5.7	43
118	Defects in neutrophil granule mobilization and bactericidal activity in familial hemophagocytic lymphohistiocytosis type 5 (FHL-5) syndrome caused by STXBP2/Munc18-2 mutations. *Blood*, **2013**, 122, 109-11	2.2	40

117	Genetic toggling of alkaline phosphatase folding reveals signal peptides for all major modes of transport across the inner membrane of bacteria. *Journal of Biological Chemistry*, **2008**, 283, 35223-35	5.4	40
116	Why intracellular parasitism need not be a degrading experience for Mycobacterium. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1997**, 352, 1303-10	5.8	38
115	Asymptomatic HIV-infected individuals on antiretroviral therapy exhibit impaired lung CD4(+) T-cell responses to mycobacteria. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 190, 938-47	10.2	35
114	The evolutionary pressures that have molded Mycobacterium tuberculosis into an infectious adjuvant. *Current Opinion in Microbiology*, **2013**, 16, 78-84	7.9	34
113	Mycobacterial trehalose dimycolate reprograms macrophage global gene expression and activates matrix metalloproteinases. *Infection and Immunity*, **2013**, 81, 764-76	3.7	34
112	Transcriptional responses of Mycobacterium tuberculosis to lung surfactant. *Microbial Pathogenesis* , **2009**, 46, 185-93	3.8	34
111	Matrix metalloproteinase inhibitors enhance the efficacy of frontline drugs against Mycobacterium tuberculosis. *PLoS Pathogens*, **2018**, 14, e1006974	7.6	34
110	Triggering MSR1 promotes JNK-mediated inflammation in IL-4-activated macrophages. *EMBO Journal*, **2019**, 38,	13	33
109	The HIV-1 protein Vpr impairs phagosome maturation by controlling microtubule-dependent trafficking. *Journal of Cell Biology*, **2015**, 211, 359-72	7.3	33
108	Isolation and characterization of pathogen-containing phagosomes. *Methods in Cell Biology*, **1994**, 45, 261-76	1.8	33
107	Expression of the filarial nematode phosphorylcholine-containing glycoprotein, ES62, is stage specific. *Parasitology*, **2002**, 125, 155-64	2.7	31
106	Leishmania mexicana mexicana gp63 is a site-specific neutral endopeptidase. *Molecular and Biochemical Parasitology*, **1990**, 40, 163-72	1.9	30
105	MARCO variants are associated with phagocytosis, pulmonary tuberculosis susceptibility and Beijing lineage. *Genes and Immunity*, **2016**, 17, 419-425	4.4	28
104	Kinetics of phosphatidylinositol-3-phosphate acquisition differ between IgG bead-containing phagosomes and Mycobacterium tuberculosis-containing phagosomes. *Cellular Microbiology*, **2005**, 7, 1627-34	3.9	28
103	Inhibition of the lncRNA SAF drives activation of apoptotic effector caspases in HIV-1-infected human macrophages. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7431-7438	11.5	27
102	The genetic requirements of fatty acid import by within macrophages. *ELife*, **2019**, 8,	8.9	27
101	Trans-species communication in the Mycobacterium tuberculosis-infected macrophage. *Immunological Reviews*, **2015**, 264, 233-48	11.3	25
100	: Bacterial Fitness within the Host Macrophage. *Microbiology Spectrum*, **2019**, 7,	8.9	24

99	Mycobacterium tuberculosis arrests host cycle at the G1/S transition to establish long term infection. *PLoS Pathogens*, **2017**, 13, e1006389	7.6	24
98	Protective immunity against tuberculosis: what does it look like and how do we find it?. *Current Opinion in Immunology*, **2017**, 48, 44-50	7.8	24
97	The ins and outs of the Mycobacterium tuberculosis-containing vacuole. *Cellular Microbiology*, **2016**, 18, 1065-9	3.9	24
96	The Minimal Unit of Infection: Mycobacterium tuberculosis in the Macrophage. *Microbiology Spectrum*, **2016**, 4,	8.9	24
95	Lysosomal ubiquitin and the demise of Mycobacterium tuberculosis. *Cellular Microbiology*, **2007**, 9, 2768-74	3.9	21
94	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. *Wellcome Open Research*,1, 18	4.8	21
93	Peripheral cell wall lipids of Mycobacterium tuberculosis are inhibitory to surfactant function. *Tuberculosis*, **2008**, 88, 178-86	2.6	20
92	Toll-like receptors and phagosome maturation. *Nature Immunology*, **2007**, 8, 217; author reply 217-8	19.1	20
91	TLR signalling and phagosome maturation: an alternative viewpoint. *Cellular Microbiology*, **2007**, 9, 849-50	3.9	20
90	Recording phagosome maturation through the real-time, spectrofluorometric measurement of hydrolytic activities. *Methods in Molecular Biology*, **2009**, 531, 157-71	1.4	20
89	Fibrinogen regulates the cytotoxicity of mycobacterial trehalose dimycolate but is not required for cell recruitment, cytokine response, or control of mycobacterial infection. *Infection and Immunity*, **2010**, 78, 1004-11	3.7	18
88	The Deconstructed Granuloma: A Complex High-Throughput Drug Screening Platform for the Discovery of Host-Directed Therapeutics Against Tuberculosis. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 275	5.9	17
87	Heterogeneous loss of HIV transcription and proviral DNA from 8E5/LAV lymphoblastic leukemia cells revealed by RNA FISH:FLOW analyses. *Retrovirology*, **2016**, 13, 55	3.6	15
86	M. tuberculosis Rv2252 encodes a diacylglycerol kinase involved in the biosynthesis of phosphatidylinositol mannosides (PIMs). *Molecular Microbiology*, **2006**, 60, 1152-63	4.1	15
85	Immunoelectron microscopy of endosomal trafficking in macrophages infected with microbial pathogens. *Methods in Cell Biology*, **1994**, 45, 277-88	1.8	15
84	Dynamic quantitative assays of phagosomal function. *Current Protocols in Immunology*, **2013**, 102, 14.34.1-14.34.14	4	14
83	Novel protein acetyltransferase, Rv2170, modulates carbon and energy metabolism in Mycobacterium tuberculosis. *Scientific Reports*, **2017**, 7, 72	4.9	13
82	What does "inhibition of phagosome-lysosome fusion" really mean?. *Trends in Microbiology*, **1998**, 6, 212-4	12.4	13

81	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. *Wellcome Open Research*, **2016**, 1, 18	4.8	13
80	Mycobacterium tuberculosis: Readouts of Bacterial Fitness and the Environment Within the Phagosome. *Methods in Molecular Biology*, **2017**, 1519, 333-347	1.4	12
79	Equine bronchial epithelial cells differentiate into ciliated and mucus producing cells in vitro. *In Vitro Cellular and Developmental Biology - Animal*, **2010**, 46, 102-6	2.6	12
78	Association between sputum smear status and local immune responses at the site of disease in HIV-infected patients with pulmonary tuberculosis. *Tuberculosis*, **2008**, 88, 58-63	2.6	12
77	Sequence requirements for trafficking of the CRAM transmembrane protein to the flagellar pocket of African trypanosomes. *Molecular and Cellular Biology*, **2000**, 20, 5149-63	4.8	12
76	Single cell analysis of M. tuberculosis phenotype and macrophage lineages in the infected lung. *Journal of Experimental Medicine*, **2021**, 218,	16.6	12
75	Development of a novel, cell-based chemical screen to identify inhibitors of intraphagosomal lipolysis in macrophages. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2010**, 77, 751-60	4.6	11
74	Staphylococcus and the healing power of pus. *Cell Host and Microbe*, **2008**, 3, 115-6	23.4	11
73	Ubiquitin trafficking to the lysosome: keeping the house tidy and getting rid of unwanted guests. *Autophagy*, **2007**, 3, 399-401	10.2	11
72	Leprosy research in the post-genome era. *Leprosy Review*, **2001**, 72, 8-22	0.6	11
71	Alveolar macrophages from HIV-infected patients with pulmonary tuberculosis retain the capacity to respond to stimulation by lipopolysaccharide. *Microbes and Infection*, **2007**, 9, 1053-60	9.3	10
70	Recombinase-based reporter system and antisense technology to study gene expression and essentiality in hypoxic nonreplicating mycobacteria. *FEMS Microbiology Letters*, **2008**, 284, 68-75	2.9	9
69	Nutrition and the Gut Microbiota in 10- to 18-Month-Old Children Living in Urban Slums of Mumbai, India. *MSphere*, **2020**, 5,	5	9
68	Chronic Household Air Pollution Exposure Is Associated with Impaired Alveolar Macrophage Function in Malawian Non-Smokers. *PLoS ONE*, **2015**, 10, e0138762	3.7	8
67	Interleukin-2-Inducible T-Cell Kinase Deficiency Impairs Early Pulmonary Protection Against Infection. *Frontiers in Immunology*, **2019**, 10, 3103	8.4	7
66	Functional Analysis of Phagocyte Activity in Whole Blood from HIV/Tuberculosis-Infected Individuals Using a Novel Flow Cytometry-Based Assay. *Frontiers in Immunology*, **2017**, 8, 1222	8.4	7
65	Mycobacterium and the Seduction of the Macrophage371-388		7
64	The Tuberculosis Drug Accelerator at year 10: what have we learned?. *Nature Medicine*, **2021**, 27, 1333-1337	36.5	7

63	HIV-associated disruption of lung cytokine networks is incompletely restored in asymptomatic HIV-infected Malawian adults on antiretroviral therapy. *ERJ Open Research*, **2017**, 3,	3.5	6
62	Exploitation of Synthetic mRNA To Drive Immune Effector Cell Recruitment and Functional Reprogramming In Vivo. *Journal of Immunology*, **2019**, 202, 608-617	5.3	6
61	Trpping tuberculosis. *Cell*, **2013**, 155, 1209-10	56.2	5
60	The galvanizing of Mycobacterium tuberculosis: an antimicrobial mechanism. *Cell Host and Microbe*, **2011**, 10, 181-3	23.4	5
59	Quantification of Mycobacterium avium subsp. paratuberculosis (MAP) survival in monocyte-derived macrophages. *Veterinary Immunology and Immunopathology*, **2011**, 139, 73-8	2	5
58	Leishmania and the macrophage. *Trends in Immunology*, **1990**, 11, 74-5		5
57	Host transcriptional responses following ex vivo re-challenge with Mycobacterium tuberculosis vary with disease status. *PLoS ONE*, **2017**, 12, e0185640	3.7	4
56	Mycobacterium tuberculosis: Life and Death in the Phagosome **2017**, 307-322		4
55	Perspective: Graduation time. *Nature*, **2013**, 502, S7	50.4	4
54	2-N-Arylthiazole inhibitors of Mycobacterium tuberculosis. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3987-3991	2.9	4
53	Highlighting the parallels between human and bovine tuberculosis. *Journal of Veterinary Medical Education*, **2003**, 30, 140-2	1.3	4
52	Dual RNA-Sequencing of -Infected Cells from a Murine Infection Model. *STAR Protocols*, **2020**, 1, 100123	1.4	3
51	Analysis of mycobacterium-infected macrophages by immunoelectron microscopy and cell fractionation. *Methods in Molecular Medicine*, **2001**, 54, 281-93		3
50	Neutrophils Forever 1-26		3
49	The Parasite Point of View: Insights and Questions on the Cell Biology of Trypanosoma and Leishmania Parasite-Phagocyte Interactions453-462		3
48	Flow Cytometric Quantification of Fatty Acid Uptake by in Macrophages. *Bio-protocol*, **2018**, 8,	0.9	3
47	Detection and quantification of microbial manipulation of phagosomal function. *Methods in Cell Biology*, **2015**, 126, 305-29	1.8	2
46	Growing and Handling of Mycobacterium tuberculosis for Macrophage Infection Assays. *Methods in Molecular Biology*, **2017**, 1519, 325-331	1.4	2

45	The Sculpting of the Mycobacterium tuberculosis Genome by Host Cell-Derived Pressures. *Microbiology Spectrum*, **2014**, 2,	8.9	2
44	Nutritional assessment among adult patients with suspected or confirmed active tuberculosis disease in rural India. *PLoS ONE*, **2020**, 15, e0233306	3.7	2
43	Author response: Rv3723/LucA coordinates fatty acid and cholesterol uptake in Mycobacterium tuberculosis **2017**,		2
42	Lnc(ing)RNAs to the "shock and kill" strategy for HIV-1 cure. *Molecular Therapy - Nucleic Acids*, **2021**, 23, 1272-1280	10.7	2
41	Alveolar T-helper 17 responses to streptococcus pneumoniae are preserved in ART-untreated and treated HIV-infected Malawian adults. *Journal of Infection*, **2018**, 76, 168-176	18.9	2
40	Microbiology: Diversity breeds tolerance. *Nature*, **2017**, 546, 44-45	50.4	1
39	Mycobacterium tuberculosis **2020**, 127-138		1
38	The Minimal Unit of Infection: Mycobacterium tuberculosis in the Macrophage **2017**, 635-652		1
37	Membrane Trafficking during Phagosome Formation and Maturation209-223		1
36	Recognition and Removal of Apoptotic Cells341-P1		1
35	Regulation and Antimicrobial Function of Inducible Nitric Oxide Synthase in Phagocytes367-378		1
34	Dictyostelium discoideum: a Model Phagocyte and a Model for Host-Pathogen Interactions491-P1		1
33	Phagocytosis		1
32	TZM-gfp cells: a tractable fluorescent tool for analysis of rare and early HIV-1 infection. *Scientific Reports*, **2020**, 10, 19900	4.9	1
31	A novel, sensitive dual-indicator cell line for detection and quantification of inducible, replication-competent latent HIV-1 from reservoir cells. *Scientific Reports*, **2019**, 9, 19325	4.9	1
30	In Vitro Miniaturized Tuberculosis Spheroid Model. *Biomedicines*, **2021**, 9,	4.8	1
29	Cellular Microbiology: The metabolic interface between host cell and pathogen. *Cellular Microbiology*, **2019**, 21, e13075	3.9	0
28	Signaling for Phagocytosis **2014**, 193-P2		

27 Legionella pneumophila, a Pathogen of Amoebae and Macrophages **2014**, 393-403

26 The Role of Phagocytic Cells during Shigella Invasion of the Colonic Mucosa **2014**, 405-418

25 Cell Biological Approaches to the Study of Intracellular Pathogens: Motility, Invasion, Secretion and Vesicular Trafficking **2000**, 213-254

24 Dendritic Cells and Their Tissue Microenvironment during Exposure to Pathogens51-68

23 Where To Stay inside the Cell: a Homesteaderâ Guide to Intracellular Parasitism227-253

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