Mary Jackson

List of Publications by Year in Descending Order

179 papers	9,503 citations	57 h-index	92 g-index
190 ext. papers	10,953 ext. citations	6.2 avg, IF	5.8 L-index

#	Paper	IF	Citations
179	Therapeutic efficacy of antimalarial drugs targeting DosRS signaling in .. *Science Translational Medicine*, **2022**, 14, eabj3860	17.5	0
178	Mycobacterium leprae Infection in a Wild Nine-Banded Armadillo, Nuevo Le□, Mexico.. *Emerging Infectious Diseases*, **2022**, 28, 747-749	10.2	0
177	Unique Features of Biofilms Formed in Synthetic Cystic Fibrosis Medium. *Frontiers in Microbiology*, **2021**, 12, 743126	5.7	2
176	Use of Synthetic Glycolipids to Probe the Number and Position of Arabinan Chains on Mycobacterial Arabinogalactan. *ACS Chemical Biology*, **2021**, 16, 20-26	4.9	2
175	Pipeline of anti-Mycobacterium abscessus small molecules: Repurposable drugs and promising novel chemical entities. *Medicinal Research Reviews*, **2021**, 41, 2350-2387	14.4	12
174	Stepwise pathogenic evolution of. *Science*, **2021**, 372,	33.3	23
173	Identification and functional analysis of a galactosyltransferase capable of cholesterol glycolipid formation in the Lyme disease spirochete Borrelia burgdorferi. *PLoS ONE*, **2021**, 16, e0252214	3.7	1
172	Increased Virulence of Outer Membrane Porin Mutants of. *Frontiers in Microbiology*, **2021**, 12, 706207	5.7	2
171	Transporters Involved in the Biogenesis and Functionalization of the Mycobacterial Cell Envelope. *Chemical Reviews*, **2021**, 121, 5124-5157	68.1	14
170	Role of PhoPR in the response to stress of Mycobacterium bovis. *Comparative Immunology, Microbiology and Infectious Diseases*, **2021**, 74, 101593	2.6	2
169	Two-Way Regulation of MmpL3 Expression Identifies and Validates Inhibitors of MmpL3 Function in. *ACS Infectious Diseases*, **2021**, 7, 141-152	5.5	3
168	Transcriptional adaptation of in an original mouse model: New insights into the regulation of mycolactone. *Virulence*, **2021**, 12, 1438-1451	4.7	4
167	A Coumarin-Based Analogue of Thiacetazone as Dual Covalent Inhibitor and Potential Fluorescent Label of HadA in. *ACS Infectious Diseases*, **2021**, 7, 552-565	5.5	2
166	Identifying Bacterial and Host Factors Involved in the Interaction of with the Bovine Innate Immune Cells. *Frontiers in Immunology*, **2021**, 12, 674643	8.4	
165	An antitubercular prodrug leaves Mycobacterium tuberculosis facing a difficult choice, poisoning or starvation?. *Cell Chemical Biology*, **2021**, 28, 1101-1103	8.2	
164	S and T mannosylation sites of LppX are not essential for its activity in phthiocerol dimycocerosates localization at the surface of Mycobacterium tuberculosis. *Research in Microbiology*, **2021**, 172, 103874	4	0
163	Potency Increase of Spiroketal Analogs of Membrane Inserting Indolyl Mannich Base Antimycobacterials Is Due to Acquisition of MmpL3 Inhibition. *ACS Infectious Diseases*, **2020**, 6, 1882-1893	5.5	4

162	Cell Surface Remodeling of under Cystic Fibrosis Airway Growth Conditions. *ACS Infectious Diseases*, **2020**, 6, 2143-2154	5.5	5
161	Fragment-based discovery of a new class of inhibitors targeting mycobacterial tRNA modification. *Nucleic Acids Research*, **2020**, 48, 8099-8112	20.1	10
160	Busting biofilms: free-living amoebae disrupt preformed methicillin-resistant (MRSA) and biofilms. *Microbiology (United Kingdom)*, **2020**, 166, 695-706	2.9	1
159	Efficient method for targeted gene disruption by homologous recombination in Mycobacterium avium subspecie paratuberculosis. *Research in Microbiology*, **2020**, 171, 203-210	4	4
158	Mechanisms of Resistance Associated with the Inhibition of the Dehydration Step of Type II Fatty Acid Synthase in. *ACS Infectious Diseases*, **2020**, 6, 195-204	5.5	3
157	Polysaccharide Succinylation Enhances the Intracellular Survival of. *ACS Infectious Diseases*, **2020**, 6, 2235-2248	5.5	6
156	MmpL3 Inhibition: A New Approach to Treat Nontuberculous Mycobacterial Infections. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
155	Secondary Extended Mannan Side Chains and Attachment of the Arabinan in Mycobacterial Lipoarabinomannan. *Communications Chemistry*, **2020**, 3,	6.3	3
154	Biochemical and microbiological evaluation of -aryl urea derivatives against mycobacteria and mycobacterial hydrolases. *MedChemComm*, **2019**, 10, 1197-1204	5	9
153	Disruption of the SucT acyltransferase in abrogates succinylation of cell envelope polysaccharides. *Journal of Biological Chemistry*, **2019**, 294, 10325-10335	5.4	10
152	Direct Inhibition of MmpL3 by Novel Antitubercular Compounds. *ACS Infectious Diseases*, **2019**, 5, 1001-1012	5.5	41
151	Characterization of Arabinosyl Transfer Reactions in the Biosynthesis of Mycobacterial Cell Envelope (Lipo)Polysaccharides. *Methods in Molecular Biology*, **2019**, 1954, 175-186	1.4	2
150	Identification of New MmpL3 Inhibitors by Untargeted and Targeted Mutant Screens Defines MmpL3 Domains with Differential Resistance. *Antimicrobial Agents and Chemotherapy*, **2019**, 63,	5.9	18
149	The MmpL3 interactome reveals a complex crosstalk between cell envelope biosynthesis and cell elongation and division in mycobacteria. *Scientific Reports*, **2019**, 9, 10728	4.9	19
148	Interactions of free-living amoebae with the rice fungal pathogen, Rhizoctonia solani. *BMC Research Notes*, **2019**, 12, 746	2.3	4
147	2-aminoimidazoles collapse mycobacterial proton motive force and block the electron transport chain. *Scientific Reports*, **2019**, 9, 1513	4.9	13
146	Analysing nonsynonymous mutations between two Mycobacterium bovis strains with contrasting pathogenic profiles. *Veterinary Microbiology*, **2019**, 239, 108482	3.3	3
145	Cloning and Partial Characterization of an Endo-β(1-6)-d-Mannanase Gene from. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	3

144	Indole-2-Carboxamides Are Active against in a Mouse Model of Acute Infection. *Antimicrobial Agents and Chemotherapy*, **2019**, 63,	5.9	18
143	Advancing Translational Science for Pulmonary Nontuberculous Mycobacterial Infections. A Road Map for Research. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 947-951	10.2	31
142	Impact of the epoxide hydrolase EphD on the metabolism of mycolic acids in mycobacteria. *Journal of Biological Chemistry*, **2018**, 293, 5172-5184	5.4	10
141	Covalent modifications of polysaccharides in mycobacteria. *Nature Chemical Biology*, **2018**, 14, 193-198	11.7	14
140	Yersinia pestis Survival and Replication in Potential Ameba Reservoir. *Emerging Infectious Diseases*, **2018**, 24, 294-302	10.2	18
139	MmpL3 as a Target for the Treatment of Drug-Resistant Nontuberculous Mycobacterial Infections. *Frontiers in Microbiology*, **2018**, 9, 1547	5.7	26
138	Interactions of free-living amoebae with rice bacterial pathogens Xanthomonas oryzae pathovars oryzae and oryzicola. *PLoS ONE*, **2018**, 13, e0202941	3.7	13
137	Cytokinin Signaling in Mycobacterium tuberculosis. *MBio*, **2018**, 9,	7.8	18
136	Deciphering the molecular basis of mycobacteria and lipoglycan recognition by the C-type lectin Dectin-2. *Scientific Reports*, **2018**, 8, 16840	4.9	19
135	Optimization and Lead Selection of Benzothiazole Amide Analogs Toward a Novel Antimycobacterial Agent. *Frontiers in Microbiology*, **2018**, 9, 2231	5.7	15
134	Primary Lung Dendritic Cell Cultures to Assess Efficacy of Spectinamide-1599 Against Intracellular. *Frontiers in Microbiology*, **2018**, 9, 1895	5.7	3
133	Evidence of zoonotic leprosy in Par□Brazilian Amazon, and risks associated with human contact or consumption of armadillos. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006532	4.8	45
132	Biosynthesis of the Methylthioxylose Capping Motif of Lipoarabinomannan in Mycobacterium tuberculosis. *ACS Chemical Biology*, **2017**, 12, 682-691	4.9	15
131	Synergistic Interactions of MmpL3 Inhibitors with Antitubercular Compounds. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	39
130	Design, synthesis and evaluation of indole-2-carboxamides with pan anti-mycobacterial activity. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 3746-3755	3.4	40
129	Green Fluorescent Protein as a protein localization and topological reporter in mycobacteria. *Tuberculosis*, **2017**, 105, 13-17	2.6	9
128	is protected from NADPH oxidase and LC3-associated phagocytosis by the LCP protein CpsA. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8711-E8720	11.5	93
127	HLA-E Presents Glycopeptides from the Mycobacterium tuberculosis Protein MPT32 to Human CD8 T cells. *Scientific Reports*, **2017**, 7, 4622	4.9	23

126	Disinfectant Susceptibility Profiling of Glutaraldehyde-Resistant Nontuberculous Mycobacteria. *Infection Control and Hospital Epidemiology*, **2017**, 38, 784-791	2	22
125	Mycobacterium bovis hosted by free-living-amoebae permits their long-term persistence survival outside of host mammalian cells and remain capable of transmitting disease to mice. *Environmental Microbiology*, **2017**, 19, 4010-4021	5.2	16
124	2-aminoimidazoles potentiate β-lactam antimicrobial activity against Mycobacterium tuberculosis by reducing β-lactamase secretion and increasing cell envelope permeability. *PLoS ONE*, **2017**, 12, e0180925	3.7	12
123	Mycobacterium talmoniae sp. nov., a slowly growing mycobacterium isolated from human respiratory samples. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2640-2645	2.2	5
122	Structure-Function Profile of MmpL3, the Essential Mycolic Acid Transporter from Mycobacterium tuberculosis. *ACS Infectious Diseases*, **2016**, 2, 702-713	5.5	54
121	Assembling of the Mycobacterium tuberculosis Cell Wall Core. *Journal of Biological Chemistry*, **2016**, 291, 18867-79	5.4	32
120	Structural basis for selective recognition of acyl chains by the membrane-associated acyltransferase PatA. *Nature Communications*, **2016**, 7, 10906	17.4	17
119	Therapeutic Potential of the Mycobacterium tuberculosis Mycolic Acid Transporter, MmpL3. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 5198-207	5.9	64
118	Synthesis and evaluation of new 2-aminothiophenes against Mycobacterium tuberculosis. *Organic and Biomolecular Chemistry*, **2016**, 14, 6119-6133	3.9	24
117	Identification of a Novel Mycobacterial Arabinosyltransferase Activity Which Adds an Arabinosyl Residue to α-d-Mannosyl Residues. *ACS Chemical Biology*, **2016**, 11, 1518-24	4.9	12
116	Metabolic profile of Mycobacterium smegmatis reveals Mce4 proteins are relevant for cell wall lipid homeostasis. *Metabolomics*, **2016**, 12, 1	4.7	8
115	CpsA, a LytR-CpsA-Psr Family Protein in Mycobacterium marinum, Is Required for Cell Wall Integrity and Virulence. *Infection and Immunity*, **2015**, 83, 2844-54	3.7	17
114	A glycomic approach reveals a new mycobacterial polysaccharide. *Glycobiology*, **2015**, 25, 1163-71	5.8	5
113	Partial Saturation of Menaquinone in : Function and Essentiality of a Novel Reductase, MenJ. *ACS Central Science*, **2015**, 1, 292-302	16.8	45
112	The presence of a galactosamine substituent on the arabinogalactan of Mycobacterium tuberculosis abrogates full maturation of human peripheral blood monocyte-derived dendritic cells and increases secretion of IL-10. *Tuberculosis*, **2015**, 95, 476-89	2.6	10
111	Draft Genome Sequence of Mycobacterium chelonae Type Strain ATCC 35752. *Genome Announcements*, **2015**, 3,		5
110	Covalent modification of the FAS-II dehydratase by Isoxyl and Thiacetazone. *ACS Infectious Diseases*, **2015**, 1, 91-97	5.5	38
109	Role of the Mce1 transporter in the lipid homeostasis of Mycobacterium tuberculosis. *Tuberculosis*, **2014**, 94, 170-7	2.6	69

108	Novel insights into the mechanism of inhibition of MmpL3, a target of multiple pharmacophores in Mycobacterium tuberculosis. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 6413-23	5.9	137
107	The mycobacterial cell envelope-lipids. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4,	5.4	120
106	Structure-function relationships of membrane-associated GT-B glycosyltransferases. *Glycobiology*, **2014**, 24, 108-24	5.8	63
105	A noncompetitive inhibitor for Mycobacterium tuberculosis's class IIa fructose 1,6-bisphosphate aldolase. *Biochemistry*, **2014**, 53, 202-13	3.2	35
104	Analysis of a panel of rapidly growing mycobacteria for resistance to aldehyde-based disinfectants. *American Journal of Infection Control*, **2014**, 42, 932-4	3.8	11
103	Biosynthesis and translocation of unsulfated acyltrehaloses in Mycobacterium tuberculosis. *Journal of Biological Chemistry*, **2014**, 289, 27952-65	5.4	50
102	Purification and characterization of the acyltransferase involved in biosynthesis of the major mycobacterial cell envelope glycolipid--monoacylated phosphatidylinositol dimannoside. *Protein Expression and Purification*, **2014**, 100, 33-9	2	8
101	The cell envelope glycoconjugates of Mycobacterium tuberculosis. *Critical Reviews in Biochemistry and Molecular Biology*, **2014**, 49, 361-99	8.7	96
100	A single arabinan chain is attached to the phosphatidylinositol mannosyl core of the major immunomodulatory mycobacterial cell envelope glycoconjugate, lipoarabinomannan. *Journal of Biological Chemistry*, **2014**, 289, 30249-30256	5.4	15
99	Long-term survival and virulence of Mycobacterium leprae in amoebal cysts. *PLoS Neglected Tropical Diseases*, **2014**, 8, e3405	4.8	66
98	Mycobacterium tuberculosis lipoprotein LprG binds lipoarabinomannan and determines its cell envelope localization to control phagolysosomal fusion. *PLoS Pathogens*, **2014**, 10, e1004471	7.6	50
97	Inactivation of fructose-1,6-bisphosphate aldolase prevents optimal co-catabolism of glycolytic and gluconeogenic carbon substrates in Mycobacterium tuberculosis. *PLoS Pathogens*, **2014**, 10, e1004144	7.6	48
96	LprG-mediated surface expression of lipoarabinomannan is essential for virulence of Mycobacterium tuberculosis. *PLoS Pathogens*, **2014**, 10, e1004376	7.6	63
95	High-level relatedness among Mycobacterium abscessus subsp. massiliense strains from widely separated outbreaks. *Emerging Infectious Diseases*, **2014**, 20, 364-71	10.2	92
94	RND transporters protect Corynebacterium glutamicum from antibiotics by assembling the outer membrane. *MicrobiologyOpen*, **2014**, 3, 484-96	3.4	17
93	Genetics of Capsular Polysaccharides and Cell Envelope (Glyco)lipids. *Microbiology Spectrum*, **2014**, 2,	8.9	56
92	Gene replacement in Mycobacterium chelonae: application to the construction of porin knock-out mutants. *PLoS ONE*, **2014**, 9, e94951	3.7	4
91	New approaches to target the mycolic acid biosynthesis pathway for the development of tuberculosis therapeutics. *Current Pharmaceutical Design*, **2014**, 20, 4357-78	3.3	63

90	Discovery of Q203, a potent clinical candidate for the treatment of tuberculosis. *Nature Medicine*, **2013**, 19, 1157-60	50.5	387
89	Progress in targeting cell envelope biogenesis in Mycobacterium tuberculosis. *Future Microbiology*, **2013**, 8, 855-75	2.9	80
88	Mechanism of inhibition of Mycobacterium tuberculosis antigen 85 by ebselen. *Nature Communications*, **2013**, 4, 2748	17.4	85
87	Phylogenomics of Brazilian epidemic isolates of Mycobacterium abscessus subsp. bolletii reveals relationships of global outbreak strains. *Infection, Genetics and Evolution*, **2013**, 20, 292-7	4.5	36
86	Design, synthesis and anti-tuberculosis activity of 1-adamantyl-3-heteroaryl ureas with improved in vitro pharmacokinetic properties. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 2587-99	3.4	48
85	Updating and curating metabolic pathways of TB. *Tuberculosis*, **2013**, 93, 47-59	2.6	22
84	Genome Sequence of an Epidemic Isolate of Mycobacterium abscessus subsp. bolletii from Rio de Janeiro, Brazil. *Genome Announcements*, **2013**, 1,		9
83	Regulation of mycolactone, the Mycobacterium ulcerans toxin, depends on nutrient source. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2502	4.8	19
82	Bacterial protein-O-mannosylating enzyme is crucial for virulence of Mycobacterium tuberculosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6560-5	11.5	60
81	Cooccurrence of free-living amoebae and nontuberculous Mycobacteria in hospital water networks, and preferential growth of Mycobacterium avium in Acanthamoeba lenticulata. *Applied and Environmental Microbiology*, **2013**, 79, 3185-92	4.8	77
80	Subfractionation and analysis of the cell envelope (lipo)polysaccharides of Mycobacterium tuberculosis. *Methods in Molecular Biology*, **2013**, 966, 309-24	1.4	2
79	Screening a library of 1600 adamantyl ureas for anti-Mycobacterium tuberculosis activity in vitro and for better physical chemical properties for bioavailability. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3255-62	3.4	58
78	A common mechanism of inhibition of the Mycobacterium tuberculosis mycolic acid biosynthetic pathway by isoxyl and thiacetazone. *Journal of Biological Chemistry*, **2012**, 287, 38434-41	5.4	66
77	Impact of the deletion of the six mce operons in Mycobacterium smegmatis. *Microbes and Infection*, **2012**, 14, 590-9	9.3	39
76	Inhibition of mycolic acid transport across the Mycobacterium tuberculosis plasma membrane. *Nature Chemical Biology*, **2012**, 8, 334-41	11.7	295
75	A small multidrug resistance-like transporter involved in the arabinosylation of arabinogalactan and lipoarabinomannan in mycobacteria. *Journal of Biological Chemistry*, **2012**, 287, 39933-41	5.4	24
74	Aldehyde-resistant mycobacteria bacteria associated with the use of endoscope reprocessing systems. *American Journal of Infection Control*, **2012**, 40, 880-2	3.8	29
73	Mechanistic insights into the retaining glucosyl-3-phosphoglycerate synthase from mycobacteria. *Journal of Biological Chemistry*, **2012**, 287, 24649-61	5.4	16

72	Identification of serological biomarkers of infection, disease progression and treatment efficacy for leprosy. *Memorias Do Instituto Oswaldo Cruz*, **2012**, 107 Suppl 1, 79-89	2.6	48
71	Biogenesis of mycobacterial cell envelope glycoconjugates. *FASEB Journal*, **2012**, 26, 358.3	0.9	
70	Reconstitution of functional mycobacterial arabinosyltransferase AftC proteoliposome and assessment of decaprenylphosphorylarabinose analogues as arabinofuranosyl donors. *ACS Chemical Biology*, **2011**, 6, 819-28	4.9	20
69	Investigation of ABC transporter from mycobacterial arabinogalactan biosynthetic cluster. *General Physiology and Biophysics*, **2011**, 30, 239-50	2.1	16
68	The structure-activity relationship of urea derivatives as anti-tuberculosis agents. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 5585-95	3.4	81
67	Glycolytic and non-glycolytic functions of Mycobacterium tuberculosis fructose-1,6-bisphosphate aldolase, an essential enzyme produced by replicating and non-replicating bacilli. *Journal of Biological Chemistry*, **2011**, 286, 40219-31	5.4	62
66	Increased virulence of an epidemic strain of Mycobacterium massiliense in mice. *PLoS ONE*, **2011**, 6, e24726	3.7	32
65	Biosynthetic origin of the galactosamine substituent of Arabinogalactan in Mycobacterium tuberculosis. *Journal of Biological Chemistry*, **2010**, 285, 41348-55	5.4	34
64	Molecular basis of phosphatidyl-myo-inositol mannoside biosynthesis and regulation in mycobacteria. *Journal of Biological Chemistry*, **2010**, 285, 33577-83	5.4	78
63	Rational design, synthesis, and evaluation of new selective inhibitors of microbial class II (zinc dependent) fructose bis-phosphate aldolases. *Journal of Medicinal Chemistry*, **2010**, 53, 7836-42	8.3	25
62	Synthesis, biological activity, and evaluation of the mode of action of novel antitubercular benzofurobenzopyrans substituted on A ring. *European Journal of Medicinal Chemistry*, **2010**, 45, 5833-47	6.8	28
61	An oligopeptide transporter of Mycobacterium tuberculosis regulates cytokine release and apoptosis of infected macrophages. *PLoS ONE*, **2010**, 5, e12225	3.7	31
60	Mce3R, a TetR-type transcriptional repressor, controls the expression of a regulon involved in lipid metabolism in Mycobacterium tuberculosis. *Microbiology (United Kingdom)*, **2009**, 155, 2245-2255	2.9	48
59	New insights into the early steps of phosphatidylinositol mannoside biosynthesis in mycobacteria: PimBTis an essential enzyme of Mycobacterium smegmatis. *Journal of Biological Chemistry*, **2009**, 284, 25687-96	5.4	56
58	Identification of a polyprenylphosphomannosyl synthase involved in the synthesis of mycobacterial mannosides. *Journal of Bacteriology*, **2009**, 191, 6769-72	3.5	20
57	AftD, a novel essential arabinofuranosyltransferase from mycobacteria. *Glycobiology*, **2009**, 19, 1235-47	5.8	53
56	High content screening identifies decaprenyl-phosphoribose 2Tepimerase as a target for intracellular antimycobacterial inhibitors. *PLoS Pathogens*, **2009**, 5, e1000645	7.6	216
55	Role of porins in the susceptibility of Mycobacterium smegmatis and Mycobacterium chelonae to aldehyde-based disinfectants and drugs. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 4015-8	5.9	48

54	Substrate-induced conformational changes in the essential peripheral membrane-associated mannosyltransferase PimA from mycobacteria: implications for catalysis. *Journal of Biological Chemistry*, **2009**, 284, 21613-25	5.4	30
53	Polymethylated polysaccharides from Mycobacterium species revisited. *Journal of Biological Chemistry*, **2009**, 284, 1949-53	5.4	47
52	Chapter 2: Biogenesis of the cell wall and other glycoconjugates of Mycobacterium tuberculosis. *Advances in Applied Microbiology*, **2009**, 69, 23-78	4.9	155
51	Initiation of methylglucose lipopolysaccharide biosynthesis in mycobacteria. *PLoS ONE*, **2009**, 4, e5447	3.7	25
50	Capsular glucan and intracellular glycogen of Mycobacterium tuberculosis: biosynthesis and impact on the persistence in mice. *Molecular Microbiology*, **2008**, 70, 762-74	4.1	109
49	The immunomodulatory lipoglycans, lipoarabinomannan and lipomannan, are exposed at the mycobacterial cell surface. *Tuberculosis*, **2008**, 88, 560-5	2.6	78
48	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 Mycobacterium tuberculosis H37Ra. *Journal of Bacteriology*, **2008**, 190, 1329-34	3.5	83
47	Lipoarabinomannan of Mycobacterium: mannose capping by a multifunctional terminal mannosyltransferase. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 17973-7	11.5	61
46	Preliminary crystallographic analysis of GpgS, a key glucosyltransferase involved in methylglucose lipopolysaccharide biosynthesis in Mycobacterium tuberculosis. *Acta Crystallographica Section F: Structural Biology Communications*, **2008**, 64, 1121-4		7
45	Synthesis and biochemical evaluation of selective inhibitors of class II fructose bisphosphate aldolases: towards new synthetic antibiotics. *Chemistry - A European Journal*, **2008**, 14, 8521-9	4.8	25
44	N-D-aldopentofuranosyl-NŤ[p-(isoamyloxy)phenyl]-thiourea derivatives: potential anti-TB therapeutic agents. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 2649-51	2.9	36
43	Long-chain multiple methyl-branched fatty acid-containing lipids of Mycobacterium tuberculosis: biosynthesis, transport, regulation and biological activities. *Tuberculosis*, **2007**, 87, 78-86	2.6	110
42	Isoxyl activation is required for bacteriostatic activity against Mycobacterium tuberculosis. *Antimicrobial Agents and Chemotherapy*, **2007**, 51, 3824-9	5.9	29
41	Impact of Mycobacterium ulcerans biofilm on transmissibility to ecological niches and Buruli ulcer pathogenesis. *PLoS Pathogens*, **2007**, 3, e62	7.6	159
40	The glycosyltransferases of Mycobacterium tuberculosis - roles in the synthesis of arabinogalactan, lipoarabinomannan, and other glycoconjugates. *Glycobiology*, **2007**, 17, 35-56R	5.8	165
39	Genetic basis for the biosynthesis of methylglucose lipopolysaccharides in Mycobacterium tuberculosis. *Journal of Biological Chemistry*, **2007**, 282, 27270-27276	5.4	47
38	Signature-tagged transposon mutagenesis identifies novel Mycobacterium tuberculosis genes involved in the parasitism of human macrophages. *Infection and Immunity*, **2007**, 75, 504-7	3.7	59
37	Molecular recognition and interfacial catalysis by the essential phosphatidylinositol mannosyltransferase PimA from mycobacteria. *Journal of Biological Chemistry*, **2007**, 282, 20705-14	5.4	102

36	New insights into the biosynthesis of mycobacterial lipomannan arising from deletion of a conserved gene. *Journal of Biological Chemistry*, **2007**, 282, 27133-27140	5.4	53
35	Inactivation of Rv2525c, a substrate of the twin arginine translocation (Tat) system of Mycobacterium tuberculosis, increases beta-lactam susceptibility and virulence. *Journal of Bacteriology*, **2006**, 188, 6669-79	3.5	70
34	The virulence-associated two-component PhoP-PhoR system controls the biosynthesis of polyketide-derived lipids in Mycobacterium tuberculosis. *Journal of Biological Chemistry*, **2006**, 281, 1313-6	5.4	155
33	The Ser/Thr protein kinase PknB is essential for sustaining mycobacterial growth. *Journal of Bacteriology*, **2006**, 188, 7778-84	3.5	150
32	Biosynthesis of mycobacterial lipoarabinomannan: role of a branching mannosyltransferase. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 13664-9	11.5	82
31	The structure of PknB in complex with mitoxantrone, an ATP-competitive inhibitor, suggests a mode of protein kinase regulation in mycobacteria. *FEBS Letters*, **2006**, 580, 3018-22	3.8	87
30	LppX is a lipoprotein required for the translocation of phthiocerol dimycocerosates to the surface of Mycobacterium tuberculosis. *EMBO Journal*, **2006**, 25, 1436-44	13	113
29	Comparative investigation of the pathogenicity of three Mycobacterium tuberculosis mutants defective in the synthesis of p-hydroxybenzoic acid derivatives. *Microbes and Infection*, **2006**, 8, 2245-53	9.3	23
28	Deciphering the molecular bases of Mycobacterium tuberculosis binding to the lectin DC-SIGN reveals an underestimated complexity. *Biochemical Journal*, **2005**, 392, 615-24	3.8	86
27	Crystallization and preliminary crystallographic analysis of PimA, an essential mannosyltransferase from Mycobacterium smegmatis. *Acta Crystallographica Section F: Structural Biology Communications*, **2005**, 61, 518-20		11
26	p-Hydroxybenzoic acid synthesis in Mycobacterium tuberculosis. *Journal of Biological Chemistry*, **2005**, 280, 40699-706	5.4	57
25	Reduced local growth and spread but preserved pathogenicity of a DeltapurC Mycobacterium tuberculosis auxotrophic mutant in gamma interferon receptor-deficient mice after aerosol infection. *Infection and Immunity*, **2005**, 73, 666-70	3.7	8
24	Taxonomic characterization of nine strains isolated from clinical and environmental specimens, and proposal of Corynebacterium tuberculostearicum sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 1055-1061	2.2	30
23	Production of phthiocerol dimycocerosates protects Mycobacterium tuberculosis from the cidal activity of reactive nitrogen intermediates produced by macrophages and modulates the early immune response to infection. *Cellular Microbiology*, **2004**, 6, 277-87	3.9	155
22	Virulence attenuation of two Mas-like polyketide synthase mutants of Mycobacterium tuberculosis. *Microbiology (United Kingdom)*, **2003**, 149, 1837-1847	2.9	58
21	Identification of the required acyltransferase step in the biosynthesis of the phosphatidylinositol mannosides of mycobacterium species. *Journal of Biological Chemistry*, **2003**, 278, 36285-95	5.4	89
20	The cell surface receptor DC-SIGN discriminates between Mycobacterium species through selective recognition of the mannose caps on lipoarabinomannan. *Journal of Biological Chemistry*, **2003**, 278, 5513-6	5.4	197
19	Sulfolipid deficiency does not affect the virulence of Mycobacterium tuberculosis H37Rv in mice and guinea pigs. *Infection and Immunity*, **2003**, 71, 4684-90	3.7	67

18	Deficiency in mycolipenate- and mycosanoate-derived acyltrehaloses enhances early interactions of Mycobacterium tuberculosis with host cells. *Cellular Microbiology*, **2003**, 5, 405-15	3.9	60
17	DC-SIGN is the major Mycobacterium tuberculosis receptor on human dendritic cells. *Journal of Experimental Medicine*, **2003**, 197, 121-7	16.6	516
16	Unique mechanism of action of the thiourea drug isoxyl on Mycobacterium tuberculosis. *Journal of Biological Chemistry*, **2003**, 278, 53123-30	5.4	121
15	Phospholipases C are involved in the virulence of Mycobacterium tuberculosis. *Molecular Microbiology*, **2002**, 45, 203-17	4.1	164
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