

Mary Jackson

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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	DC-SIGN is the major Mycobacterium tuberculosis receptor on human dendritic cells. <i>Journal of Experimental Medicine</i> , 2003 , 197, 121-7	16.6	516
178	Discovery of Q203, a potent clinical candidate for the treatment of tuberculosis. <i>Nature Medicine</i> , 2013 , 19, 1157-60	50.5	387
177	Efficient allelic exchange and transposon mutagenesis in Mycobacterium tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 10955-60	11.5	387
176	Inhibition of mycolic acid transport across the Mycobacterium tuberculosis plasma membrane. <i>Nature Chemical Biology</i> , 2012 , 8, 334-41	11.7	295
175	Inactivation of the antigen 85C gene profoundly affects the mycolate content and alters the permeability of the Mycobacterium tuberculosis cell envelope. <i>Molecular Microbiology</i> , 1999 , 31, 1573-87	4.1	221
174	High content screening identifies decaprenyl-phosphoribose 2Tepimerase as a target for intracellular antimycobacterial inhibitors. <i>PLoS Pathogens</i> , 2009 , 5, e1000645	7.6	216
173	The cell surface receptor DC-SIGN discriminates between Mycobacterium species through selective recognition of the mannose caps on lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2003 , 278, 5513-64	5.4	197
172	Cell wall core galactofuran synthesis is essential for growth of mycobacteria. <i>Journal of Bacteriology</i> , 2001 , 183, 3991-8	3.5	196
171	Phosphatidylinositol is an essential phospholipid of mycobacteria. <i>Journal of Biological Chemistry</i> , 2000 , 275, 30092-9	5.4	182
170	The glycosyltransferases of Mycobacterium tuberculosis - roles in the synthesis of arabinogalactan, lipoarabinomannan, and other glycoconjugates. <i>Glycobiology</i> , 2007 , 17, 35-56R	5.8	165
169	Phospholipases C are involved in the virulence of Mycobacterium tuberculosis. <i>Molecular Microbiology</i> , 2002 , 45, 203-17	4.1	164
168	Impact of Mycobacterium ulcerans biofilm on transmissibility to ecological niches and Buruli ulcer pathogenesis. <i>PLoS Pathogens</i> , 2007 , 3, e62	7.6	159
167	Chapter 2: Biogenesis of the cell wall and other glycoconjugates of Mycobacterium tuberculosis. <i>Advances in Applied Microbiology</i> , 2009 , 69, 23-78	4.9	155
166	The virulence-associated two-component PhoP-PhoR system controls the biosynthesis of polyketide-derived lipids in Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 13133-6	5.4	155
165	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. <i>Cellular Microbiology</i> , 2004 , 6, 277-87	3.9	155
164	Definition of the first mannosylation step in phosphatidylinositol mannoside synthesis. PimA is essential for growth of mycobacteria. <i>Journal of Biological Chemistry</i> , 2002 , 277, 31335-44	5.4	151
163	The Ser/Thr protein kinase PknB is essential for sustaining mycobacterial growth. <i>Journal of Bacteriology</i> , 2006 , 188, 7778-84	3.5	150

162	Persistence and protective efficacy of a Mycobacterium tuberculosis auxotroph vaccine. <i>Infection and Immunity</i> , 1999 , 67, 2867-73	3.7	143
161	Novel insights into the mechanism of inhibition of MmpL3, a target of multiple pharmacophores in Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 6413-23	5.9	137
160	Unique mechanism of action of the thiourea drug isoxyl on Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 53123-30	5.4	121
159	The mycobacterial cell envelope-lipids. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014 , 4,	5.4	120
158	LppX is a lipoprotein required for the translocation of phthiocerol dimycocerosates to the surface of Mycobacterium tuberculosis. <i>EMBO Journal</i> , 2006 , 25, 1436-44	13	113
157	Long-chain multiple methyl-branched fatty acid-containing lipids of Mycobacterium tuberculosis: biosynthesis, transport, regulation and biological activities. <i>Tuberculosis</i> , 2007 , 87, 78-86	2.6	110
156	Capsular glucan and intracellular glycogen of Mycobacterium tuberculosis: biosynthesis and impact on the persistence in mice. <i>Molecular Microbiology</i> , 2008 , 70, 762-74	4.1	109
155	Molecular recognition and interfacial catalysis by the essential phosphatidylinositol mannosyltransferase PimA from mycobacteria. <i>Journal of Biological Chemistry</i> , 2007 , 282, 20705-14	5.4	102
154	The cell envelope glycoconjugates of Mycobacterium tuberculosis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2014 , 49, 361-99	8.7	96
153	is protected from NADPH oxidase and LC3-associated phagocytosis by the LCP protein CpsA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8711-E8720	11.5	93
152	High-level relatedness among Mycobacterium abscessus subsp. massiliense strains from widely separated outbreaks. <i>Emerging Infectious Diseases</i> , 2014 , 20, 364-71	10.2	92
151	Identification of the required acyltransferase step in the biosynthesis of the phosphatidylinositol mannosides of mycobacterium species. <i>Journal of Biological Chemistry</i> , 2003 , 278, 36285-95	5.4	89
150	The structure of PknB in complex with mitoxantrone, an ATP-competitive inhibitor, suggests a mode of protein kinase regulation in mycobacteria. <i>FEBS Letters</i> , 2006 , 580, 3018-22	3.8	87
149	Deciphering the molecular bases of Mycobacterium tuberculosis binding to the lectin DC-SIGN reveals an underestimated complexity. <i>Biochemical Journal</i> , 2005 , 392, 615-24	3.8	86
148	Mechanism of inhibition of Mycobacterium tuberculosis antigen 85 by ebselen. <i>Nature Communications</i> , 2013 , 4, 2748	17.4	85
147	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. <i>Journal of Bacteriology</i> , 2008 , 190, 1329-34	3.5	83
146	Biosynthesis of mycobacterial lipoarabinomannan: role of a branching mannosyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13664-9	11.5	82
145	The structure-activity relationship of urea derivatives as anti-tuberculosis agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 5585-95	3.4	81

144	Progress in targeting cell envelope biogenesis in Mycobacterium tuberculosis. <i>Future Microbiology</i> , 2013 , 8, 855-75	2.9	80
143	Molecular basis of phosphatidyl-myo-inositol mannoside biosynthesis and regulation in mycobacteria. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33577-83	5.4	78
142	The immunomodulatory lipoglycans, lipoarabinomannan and lipomannan, are exposed at the mycobacterial cell surface. <i>Tuberculosis</i> , 2008 , 88, 560-5	2.6	78
141	Cooccurrence of free-living amoebae and nontuberculous Mycobacteria in hospital water networks, and preferential growth of Mycobacterium avium in Acanthamoeba lenticulata. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3185-92	4.8	77
140	Transient requirement of the PrrA-PrrB two-component system for early intracellular multiplication of Mycobacterium tuberculosis. <i>Infection and Immunity</i> , 2002 , 70, 2256-63	3.7	74
139	Inactivation of Rv2525c, a substrate of the twin arginine translocation (Tat) system of Mycobacterium tuberculosis, increases beta-lactam susceptibility and virulence. <i>Journal of Bacteriology</i> , 2006 , 188, 6669-79	3.5	70
138	Role of the Mce1 transporter in the lipid homeostasis of Mycobacterium tuberculosis. <i>Tuberculosis</i> , 2014 , 94, 170-7	2.6	69
137	Sulfolipid deficiency does not affect the virulence of Mycobacterium tuberculosis H37Rv in mice and guinea pigs. <i>Infection and Immunity</i> , 2003 , 71, 4684-90	3.7	67
136	Long-term survival and virulence of Mycobacterium leprae in amoebal cysts. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3405	4.8	66
135	A common mechanism of inhibition of the Mycobacterium tuberculosis mycolic acid biosynthetic pathway by isoxyl and thiacetazone. <i>Journal of Biological Chemistry</i> , 2012 , 287, 38434-41	5.4	66
134	Therapeutic Potential of the Mycobacterium tuberculosis Mycolic Acid Transporter, MmpL3. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 5198-207	5.9	64
133	Structure-function relationships of membrane-associated GT-B glycosyltransferases. <i>Glycobiology</i> , 2014 , 24, 108-24	5.8	63
132	LprG-mediated surface expression of lipoarabinomannan is essential for virulence of Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , 2014 , 10, e1004376	7.6	63
131	New approaches to target the mycolic acid biosynthesis pathway for the development of tuberculosis therapeutics. <i>Current Pharmaceutical Design</i> , 2014 , 20, 4357-78	3.3	63
130	Glycolytic and non-glycolytic functions of Mycobacterium tuberculosis fructose-1,6-bisphosphate aldolase, an essential enzyme produced by replicating and non-replicating bacilli. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40219-31	5.4	62
129	Lipoarabinomannan of Mycobacterium: mannose capping by a multifunctional terminal mannosyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17973-7	11.5	61
128	Bacterial protein-O-mannosylating enzyme is crucial for virulence of Mycobacterium tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6560-5	11.5	60
127	Deficiency in mycolipenate- and mycosanoate-derived acyltrehaloses enhances early interactions of Mycobacterium tuberculosis with host cells. <i>Cellular Microbiology</i> , 2003 , 5, 405-15	3.9	60

126	Signature-tagged transposon mutagenesis identifies novel Mycobacterium tuberculosis genes involved in the parasitism of human macrophages. <i>Infection and Immunity</i> , 2007 , 75, 504-7	3.7	59
125	Screening a library of 1600 adamantyl ureas for anti-Mycobacterium tuberculosis activity in vitro and for better physical chemical properties for bioavailability. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 3255-62	3.4	58
124	Virulence attenuation of two Mas-like polyketide synthase mutants of Mycobacterium tuberculosis. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 1837-1847	2.9	58
123	p-Hydroxybenzoic acid synthesis in Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 40699-706	5.4	57
122	Genetics of Capsular Polysaccharides and Cell Envelope (Glyco)lipids. <i>Microbiology Spectrum</i> , 2014 , 2,	8.9	56
121	New insights into the early steps of phosphatidylinositol mannoside biosynthesis in mycobacteria: PimBTis an essential enzyme of Mycobacterium smegmatis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 25687-96	5.4	56
120	Structure-Function Profile of MmpL3, the Essential Mycolic Acid Transporter from Mycobacterium tuberculosis. <i>ACS Infectious Diseases</i> , 2016 , 2, 702-713	5.5	54
119	AftD, a novel essential arabinofuranosyltransferase from mycobacteria. <i>Glycobiology</i> , 2009 , 19, 1235-47	5.8	53
118	New insights into the biosynthesis of mycobacterial lipomannan arising from deletion of a conserved gene. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27133-27140	5.4	53
117	Biosynthesis and translocation of unsulfated acyltrehaloses in Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27952-65	5.4	50
116	Mycobacterium tuberculosis lipoprotein LprG binds lipoarabinomannan and determines its cell envelope localization to control phagolysosomal fusion. <i>PLoS Pathogens</i> , 2014 , 10, e1004471	7.6	50
115	Design, synthesis and anti-tuberculosis activity of 1-adamantyl-3-heteroaryl ureas with improved in vitro pharmacokinetic properties. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 2587-99	3.4	48
114	Inactivation of fructose-1,6-bisphosphate aldolase prevents optimal co-catabolism of glycolytic and gluconeogenic carbon substrates in Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , 2014 , 10, e1004144	7.6	48
113	Identification of serological biomarkers of infection, disease progression and treatment efficacy for leprosy. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2012 , 107 Suppl 1, 79-89	2.6	48
112	Mce3R, a TetR-type transcriptional repressor, controls the expression of a regulon involved in lipid metabolism in Mycobacterium tuberculosis. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 2245-2255	2.9	48
111	Role of porins in the susceptibility of Mycobacterium smegmatis and Mycobacterium chelonae to aldehyde-based disinfectants and drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 4015-8	5.9	48
110	Polymethylated polysaccharides from Mycobacterium species revisited. <i>Journal of Biological Chemistry</i> , 2009 , 284, 1949-53	5.4	47
109	Genetic basis for the biosynthesis of methylglucose lipopolysaccharides in Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27270-27276	5.4	47

108	Partial Saturation of Menaquinone in : Function and Essentiality of a Novel Reductase, MenJ. <i>ACS Central Science</i> , 2015 , 1, 292-302	16.8	45
107	Evidence of zoonotic leprosy in Pará Brazilian Amazon, and risks associated with human contact or consumption of armadillos. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006532	4.8	45
106	Direct Inhibition of MmpL3 by Novel Antitubercular Compounds. <i>ACS Infectious Diseases</i> , 2019 , 5, 1001-1012	10.3	41
105	Design, synthesis and evaluation of indole-2-carboxamides with pan anti-mycobacterial activity. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 3746-3755	3.4	40
104	Synergistic Interactions of MmpL3 Inhibitors with Antitubercular Compounds. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	39
103	Impact of the deletion of the six mce operons in Mycobacterium smegmatis. <i>Microbes and Infection</i> , 2012 , 14, 590-9	9.3	39
102	Covalent modification of the FAS-II dehydratase by Isoxyl and Thiacetazone. <i>ACS Infectious Diseases</i> , 2015 , 1, 91-97	5.5	38
101	Phylogenomics of Brazilian epidemic isolates of Mycobacterium abscessus subsp. bolletii reveals relationships of global outbreak strains. <i>Infection, Genetics and Evolution</i> , 2013 , 20, 292-7	4.5	36
100	N-D-aldopentofuranosyl-NF[p-(isoamyloxy)phenyl]-thiourea derivatives: potential anti-TB therapeutic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 2649-51	2.9	36
99	A noncompetitive inhibitor for Mycobacterium tuberculosis class IIa fructose 1,6-bisphosphate aldolase. <i>Biochemistry</i> , 2014 , 53, 202-13	3.2	35
98	Biosynthetic origin of the galactosamine substituent of Arabinogalactan in Mycobacterium tuberculosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 41348-55	5.4	34
97	Assembling of the Mycobacterium tuberculosis Cell Wall Core. <i>Journal of Biological Chemistry</i> , 2016 , 291, 18867-79	5.4	32
96	Increased virulence of an epidemic strain of Mycobacterium massiliense in mice. <i>PLoS ONE</i> , 2011 , 6, e24726	5.7	32
95	An oligopeptide transporter of Mycobacterium tuberculosis regulates cytokine release and apoptosis of infected macrophages. <i>PLoS ONE</i> , 2010 , 5, e12225	3.7	31
94	Advancing Translational Science for Pulmonary Nontuberculous Mycobacterial Infections. A Road Map for Research. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 947-951	10.2	31
93	Substrate-induced conformational changes in the essential peripheral membrane-associated mannosyltransferase PimA from mycobacteria: implications for catalysis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 21613-25	5.4	30
92	Taxonomic characterization of nine strains isolated from clinical and environmental specimens, and proposal of Corynebacterium tuberculostearicum sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004 , 54, 1055-1061	2.2	30
91	Aldehyde-resistant mycobacteria bacteria associated with the use of endoscope reprocessing systems. <i>American Journal of Infection Control</i> , 2012 , 40, 880-2	3.8	29

90	Isoxyl activation is required for bacteriostatic activity against Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 3824-9	5.9	29
89	Synthesis, biological activity, and evaluation of the mode of action of novel antitubercular benzofurobenzopyrans substituted on A ring. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 5833-47	6.8	28
88	MmpL3 as a Target for the Treatment of Drug-Resistant Nontuberculous Mycobacterial Infections. <i>Frontiers in Microbiology</i> , 2018 , 9, 1547	5.7	26
87	The Mycobacterium tuberculosis purine biosynthetic pathway: isolation and characterization of the purC and purL genes. <i>Microbiology (United Kingdom)</i> , 1996 , 142 (Pt 9), 2439-47	2.9	26
86	Rational design, synthesis, and evaluation of new selective inhibitors of microbial class II (zinc dependent) fructose bis-phosphate aldolases. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 7836-42	8.3	25
85	Synthesis and biochemical evaluation of selective inhibitors of class II fructose bisphosphate aldolases: towards new synthetic antibiotics. <i>Chemistry - A European Journal</i> , 2008 , 14, 8521-9	4.8	25
84	Initiation of methylglucose lipopolysaccharide biosynthesis in mycobacteria. <i>PLoS ONE</i> , 2009 , 4, e5447	3.7	25
83	A small multidrug resistance-like transporter involved in the arabinosylation of arabinogalactan and lipoarabinomannan in mycobacteria. <i>Journal of Biological Chemistry</i> , 2012 , 287, 39933-41	5.4	24
82	Gene Replacement and Transposon Delivery Using the Negative Selection Marker sacB. <i>Methods in Molecular Medicine</i> , 2001 , 54, 59-75		24
81	Synthesis and evaluation of new 2-aminothiophenes against Mycobacterium tuberculosis. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6119-6133	3.9	24
80	HLA-E Presents Glycopeptides from the Mycobacterium tuberculosis Protein MPT32 to Human CD8 T cells. <i>Scientific Reports</i> , 2017 , 7, 4622	4.9	23
79	Comparative investigation of the pathogenicity of three Mycobacterium tuberculosis mutants defective in the synthesis of p-hydroxybenzoic acid derivatives. <i>Microbes and Infection</i> , 2006 , 8, 2245-53	9.3	23
78	Stepwise pathogenic evolution of. <i>Science</i> , 2021 , 372,	33.3	23
77	Updating and curating metabolic pathways of TB. <i>Tuberculosis</i> , 2013 , 93, 47-59	2.6	22
76	Disinfectant Susceptibility Profiling of Glutaraldehyde-Resistant Nontuberculous Mycobacteria. <i>Infection Control and Hospital Epidemiology</i> , 2017 , 38, 784-791	2	22
75	Structure, Biosynthesis, and Activities of the Phosphatidyl-myo-Inositol-Based Lipoglycans		21
74	Reconstitution of functional mycobacterial arabinosyltransferase AftC proteoliposome and assessment of decaprenylphosphorylarabinose analogues as arabinofuranosyl donors. <i>ACS Chemical Biology</i> , 2011 , 6, 819-28	4.9	20
73	Identification of a polyprenylphosphomannosyl synthase involved in the synthesis of mycobacterial mannosides. <i>Journal of Bacteriology</i> , 2009 , 191, 6769-72	3.5	20

72	The MmpL3 interactome reveals a complex crosstalk between cell envelope biosynthesis and cell elongation and division in mycobacteria. <i>Scientific Reports</i> , 2019 , 9, 10728	4.9	19
71	Regulation of mycolactone, the <i>Mycobacterium ulcerans</i> toxin, depends on nutrient source. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2502	4.8	19
70	Deciphering the molecular basis of mycobacteria and lipoglycan recognition by the C-type lectin Dectin-2. <i>Scientific Reports</i> , 2018 , 8, 16840	4.9	19
69	<i>Yersinia pestis</i> Survival and Replication in Potential Ameba Reservoir. <i>Emerging Infectious Diseases</i> , 2018 , 24, 294-302	10.2	18
68	Identification of New MmpL3 Inhibitors by Untargeted and Targeted Mutant Screens Defines MmpL3 Domains with Differential Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	18
67	Cytokinin Signaling in <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2018 , 9,	7.8	18
66	Indole-2-Carboxamides Are Active against in a Mouse Model of Acute Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	18
65	CpsA, a LytR-CpsA-Psr Family Protein in <i>Mycobacterium marinum</i> , Is Required for Cell Wall Integrity and Virulence. <i>Infection and Immunity</i> , 2015 , 83, 2844-54	3.7	17
64	Structural basis for selective recognition of acyl chains by the membrane-associated acyltransferase PatA. <i>Nature Communications</i> , 2016 , 7, 10906	17.4	17
63	RND transporters protect <i>Corynebacterium glutamicum</i> from antibiotics by assembling the outer membrane. <i>MicrobiologyOpen</i> , 2014 , 3, 484-96	3.4	17
62	<i>Mycobacterium tuberculosis</i> Des protein: an immunodominant target for the humoral response of tuberculous patients. <i>Infection and Immunity</i> , 1997 , 65, 2883-9	3.7	17
61	Mechanistic insights into the retaining glucosyl-3-phosphoglycerate synthase from mycobacteria. <i>Journal of Biological Chemistry</i> , 2012 , 287, 24649-61	5.4	16
60	Investigation of ABC transporter from mycobacterial arabinogalactan biosynthetic cluster. <i>General Physiology and Biophysics</i> , 2011 , 30, 239-50	2.1	16
59	<i>Mycobacterium bovis</i> hosted by free-living-amoebae permits their long-term persistence survival outside of host mammalian cells and remain capable of transmitting disease to mice. <i>Environmental Microbiology</i> , 2017 , 19, 4010-4021	5.2	16
58	Biosynthesis of the Methylthioxylose Capping Motif of Lipoarabinomannan in <i>Mycobacterium tuberculosis</i> . <i>ACS Chemical Biology</i> , 2017 , 12, 682-691	4.9	15
57	A single arabinan chain is attached to the phosphatidylinositol mannosyl core of the major immunomodulatory mycobacterial cell envelope glycoconjugate, lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2014 , 289, 30249-30256	5.4	15
56	Optimization and Lead Selection of Benzothiazole Amide Analogs Toward a Novel Antimycobacterial Agent. <i>Frontiers in Microbiology</i> , 2018 , 9, 2231	5.7	15
55	Covalent modifications of polysaccharides in mycobacteria. <i>Nature Chemical Biology</i> , 2018 , 14, 193-198	11.7	14

54	Transporters Involved in the Biogenesis and Functionalization of the Mycobacterial Cell Envelope. <i>Chemical Reviews</i> , 2021 , 121, 5124-5157	68.1	14
53	Interactions of free-living amoebae with rice bacterial pathogens <i>Xanthomonas oryzae pathovars oryzae</i> and <i>oryzicola</i> . <i>PLoS ONE</i> , 2018 , 13, e0202941	3.7	13
52	2-aminoimidazoles collapse mycobacterial proton motive force and block the electron transport chain. <i>Scientific Reports</i> , 2019 , 9, 1513	4.9	13
51	2-aminoimidazoles potentiate β -lactam antimicrobial activity against <i>Mycobacterium tuberculosis</i> by reducing β -lactamase secretion and increasing cell envelope permeability. <i>PLoS ONE</i> , 2017 , 12, e0180923	3.7	12
50	Pipeline of anti- <i>Mycobacterium abscessus</i> small molecules: Repurposable drugs and promising novel chemical entities. <i>Medicinal Research Reviews</i> , 2021 , 41, 2350-2387	14.4	12
49	Identification of a Novel Mycobacterial Arabinosyltransferase Activity Which Adds an Arabinosyl Residue to β -D-Mannosyl Residues. <i>ACS Chemical Biology</i> , 2016 , 11, 1518-24	4.9	12
48	Analysis of a panel of rapidly growing mycobacteria for resistance to aldehyde-based disinfectants. <i>American Journal of Infection Control</i> , 2014 , 42, 932-4	3.8	11
47	Crystallization and preliminary crystallographic analysis of PimA, an essential mannosyltransferase from <i>Mycobacterium smegmatis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005 , 61, 518-20		11
46	Disruption of the SucT acyltransferase in abrogates succinylation of cell envelope polysaccharides. <i>Journal of Biological Chemistry</i> , 2019 , 294, 10325-10335	5.4	10
45	Fragment-based discovery of a new class of inhibitors targeting mycobacterial tRNA modification. <i>Nucleic Acids Research</i> , 2020 , 48, 8099-8112	20.1	10
44	Impact of the epoxide hydrolase EphD on the metabolism of mycolic acids in mycobacteria. <i>Journal of Biological Chemistry</i> , 2018 , 293, 5172-5184	5.4	10
43	The presence of a galactosamine substituent on the arabinogalactan of <i>Mycobacterium tuberculosis</i> abrogates full maturation of human peripheral blood monocyte-derived dendritic cells and increases secretion of IL-10. <i>Tuberculosis</i> , 2015 , 95, 476-89	2.6	10
42	Green Fluorescent Protein as a protein localization and topological reporter in mycobacteria. <i>Tuberculosis</i> , 2017 , 105, 13-17	2.6	9
41	Biochemical and microbiological evaluation of -aryl urea derivatives against mycobacteria and mycobacterial hydrolases. <i>MedChemComm</i> , 2019 , 10, 1197-1204	5	9
40	Genome Sequence of an Epidemic Isolate of <i>Mycobacterium abscessus</i> subsp. <i>bolletii</i> from Rio de Janeiro, Brazil. <i>Genome Announcements</i> , 2013 , 1,		9
39	Purification and characterization of the acyltransferase involved in biosynthesis of the major mycobacterial cell envelope glycolipid--monoacylated phosphatidylinositol dimannoside. <i>Protein Expression and Purification</i> , 2014 , 100, 33-9	2	8
38	Reduced local growth and spread but preserved pathogenicity of a DeltapurC <i>Mycobacterium tuberculosis</i> auxotrophic mutant in gamma interferon receptor-deficient mice after aerosol infection. <i>Infection and Immunity</i> , 2005 , 73, 666-70	3.7	8
37	Metabolic profile of <i>Mycobacterium smegmatis</i> reveals Mce4 proteins are relevant for cell wall lipid homeostasis. <i>Metabolomics</i> , 2016 , 12, 1	4.7	8

36	Preliminary crystallographic analysis of GpgS, a key glucosyltransferase involved in methylglucose lipopolysaccharide biosynthesis in <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008 , 64, 1121-4		7
35	Polysaccharide Succinylation Enhances the Intracellular Survival of. <i>ACS Infectious Diseases</i> , 2020 , 6, 2235-2248	6	6
34	MmpL3 Inhibition: A New Approach to Treat Nontuberculous Mycobacterial Infections. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
33	A glycomic approach reveals a new mycobacterial polysaccharide. <i>Glycobiology</i> , 2015 , 25, 1163-71	5.8	5
32	Cell Surface Remodeling of under Cystic Fibrosis Airway Growth Conditions. <i>ACS Infectious Diseases</i> , 2020 , 6, 2143-2154	5.5	5
31	Draft Genome Sequence of <i>Mycobacterium chelonae</i> Type Strain ATCC 35752. <i>Genome Announcements</i> , 2015 , 3,		5
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