Clifton E Barry Iii

List of Publications by Year
in descending order

308 papers	43,550 citations	101 h-index (1980)	196 g-index (2500)
325 all docs	325 docs citations	325 times ranked	26055 citing authors

#	Article	IF	Citations
1	Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence. Nature, 1998, 393, 537-544.	13.7	7,357
2	The spectrum of latent tuberculosis: rethinking the biology and intervention strategies. Nature Reviews Microbiology, 2009, 7, 845-855.	13.6	1,179
3	A small-molecule nitroimidazopyran drug candidate for the treatment of tuberculosis. Nature, 2000, 405, 962-966.	13.7	971
4	A glycolipid of hypervirulent tuberculosis strains that inhibits the innate immune response. Nature, 2004, 431, 84-87.	13.7	673
5	Host-directed therapy of tuberculosis based on interleukin-1 and type I interferon crosstalk. Nature, 2014, 511, 99-103.	13.7	650
6	Tuberculous Granulomas Are Hypoxic in Guinea Pigs, Rabbits, and Nonhuman Primates. Infection and Immunity, 2008, 76, 2333-2340.	1.0	570
7	PA-824 Kills Nonreplicating <i>Mycobacterium tuberculosis</i> by Intracellular NO Release. Science, 2008, 322, 1392-1395.	6.0	568
8	The Transcriptional Responses of Mycobacterium tuberculosis to Inhibitors of Metabolism. Journal of Biological Chemistry, 2004, 279, 40174-40184.	1.6	547
9	Virulence of a Mycobacterium tuberculosis clinical isolate in mice is determined by failure to induce Th1 type immunity and is associated with induction of IFN-Â/Â. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5752-5757.	3.3	544
10	Mycolic acids: structure, biosynthesis and physiological functions. Progress in Lipid Research, 1998, 37, 143-179.	5.3	504
11	The salicylate-derived mycobactin siderophores of Mycobacterium tuberculosis are essential for growth in macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1252-1257.	3.3	500
12	Linezolid for Treatment of Chronic Extensively Drug-Resistant Tuberculosis. New England Journal of Medicine, 2012, 367, 1508-1518.	13.9	496
13	Tuberculosis. Lancet, The, 2016, 387, 1211-1226.	6.3	480
14	Meropenem-Clavulanate Is Effective Against Extensively Drug-Resistant <i>Mycobacterium tuberculosis</i>. Science, 2009, 323, 1215-1218.	6.0	477
15	Pyrazinamide Inhibits Trans-Translation in <i>Mycobacterium tuberculosis</i>. Science, 2011, 333, 1630-1632.	6.0	475
16	Evolutionary history and global spread of the Mycobacterium tuberculosis Beijing lineage. Nature Genetics, 2015, 47, 242-249.	9.4	466
17	Neutrophils Are the Predominant Infected Phagocytic Cells in the Airways of Patients With Active Pulmonary TB. Chest, 2010, 137, 122-128.	0.4	444
18	SQ109 Targets MmpL3, a Membrane Transporter of Trehalose Monomycolate Involved in Mycolic Acid Donation to the Cell Wall Core of Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2012, 56, 1797-1809.	1.4	437

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19	Tuberculosis: What We Donâ€™t Know Can, and Does, Hurt Us. Science, 2010, 328, 852-856.	6.0	430
20	Compensatory ahpC Gene Expression in Isoniazid-Resistant Mycobacterium tuberculosis. Science, 1996, 272, 1641-1643.	6.0	411
21	Tuberculosis â€” metabolism and respiration in the absence of growth. Nature Reviews Microbiology, 2005, 3, 70-80.	13.6	403
22	Inhibition of a Mycobacterium tuberculosis -Ketoacyl ACP Synthase by Isoniazid. Science, 1998, 280, 1607-1610.	6.0	398
23	Elemental Analysis of<i>Mycobacterium avium</i>-,<i>Mycobacterium tuberculosis</i>-, and<i>Mycobacterium smegmatis</i>-Containing Phagosomes Indicates Pathogen-Induced Microenvironments within the Host Cellâ€™s Endosomal System. Journal of Immunology, 2005, 174, 1491-1500.	0.4	389
24	The association between sterilizing activity and drug distribution into tuberculosis lesions. Nature Medicine, 2015, 21, 1223-1227.	15.2	387
25	DnaE2 Polymerase Contributes to In Vivo Survival and the Emergence of Drug Resistance in Mycobacterium tuberculosis. Cell, 2003, 113, 183-193.	13.5	383
26	Identification of a nitroimidazo-oxazine-specific protein involved in PA-824 resistance in Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 431-436.	3.3	325
27	Ethionamide activation and sensitivity in multidrug-resistant Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9677-9682.	3.3	314
28	The role of RelMtb-mediated adaptation to stationary phase in long-term persistence of Mycobacterium tuberculosis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10026-10031.	3.3	310
29	Stationary phase-associated protein expression in Mycobacterium tuberculosis: function of the mycobacterial alpha-crystallin homolog. Journal of Bacteriology, 1996, 178, 4484-4492.	1.0	309
30	The Stringent Response of Mycobacterium tuberculosis Is Required for Long-Term Survival. Journal of Bacteriology, 2000, 182, 4889-4898.	1.0	306
31	Mycobacterium tuberculosis Growth at theCavity Surface: a Microenvironment with FailedImmunity. Infection and Immunity, 2003, 71, 7099-7108.	1.0	306
32	Contribution of the Mycobacterium tuberculosis MmpL Protein Family to Virulence and Drug Resistance. Infection and Immunity, 2005, 73, 3492-3501.	1.0	306
33	The 16-kDa Î±-crystallin (Acr) protein ofMycobacterium tuberculosisis required for growth in macrophages. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9578-9583.	3.3	300
34	Microenvironments in Tuberculous Granulomas Are Delineated by Distinct Populations of Macrophage Subsets and Expression of Nitric Oxide Synthase and Arginase Isoforms. Journal of Immunology, 2013, 191, 773-784.	0.4	292
35	Treatment of Tuberculosis. New England Journal of Medicine, 2015, 373, 2149-2160.	13.9	290
36	Heterogeneity in tuberculosis pathology, microenvironments and therapeutic responses. Immunological Reviews, 2015, 264, 288-307.	2.8	287

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37	The mechanism of action of PA-824. Communicative and Integrative Biology, 2009, 2, 215-218.	0.6	278
38	Inflammatory signaling in human tuberculosis granulomas is spatially organized. Nature Medicine, 2016, 22, 531-538.	15.2	273
39	HypervirulentM. tuberculosisW/Beijing Strains Upregulate Type I IFNs and Increase Expression of Negative Regulators of the Jak-Stat Pathway. Journal of Interferon and Cytokine Research, 2005, 25, 694-701.	0.5	267
40	Confronting the scientific obstacles to global control of tuberculosis. Journal of Clinical Investigation, 2008, 118, 1255-1265.	3.9	266
41	Genomic analysis of globally diverse Mycobacterium tuberculosis strains provides insights into the emergence and spread of multidrug resistance. Nature Genetics, 2017, 49, 395-402.	9.4	258
42	The ongoing challenge of latent tuberculosis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130437.	1.8	250
43	Discovery and development of SQ109: a new antitubercular drug with a novel mechanism of action. Future Microbiology, 2012, 7, 823-837.	1.0	248
44	Persisting positron emission tomography lesion activity and Mycobacterium tuberculosis mRNA after tuberculosis cure. Nature Medicine, 2016, 22, 1094-1100.	15.2	247
45	Mycolic Acid Structure Determines the Fluidity of the Mycobacterial Cell Wall. Journal of Biological Chemistry, 1996, 271, 29545-29551.	1.6	236
46	High-Sensitivity MALDI-MRM-MS Imaging of Moxifloxacin Distribution in Tuberculosis-Infected Rabbit Lungs and Granulomatous Lesions. Analytical Chemistry, 2011, 83, 2112-2118.	3.2	235
47	Iron Acquisition and Metabolism by Mycobacteria. Journal of Bacteriology, 1999, 181, 4443-4451.	1.0	232
48	Virulence of SelectedMycobacterium tuberculosisClinical Isolates in the Rabbit Model of Meningitis Is Dependent on Phenolic Glycolipid Produced by the Bacilli. Journal of Infectious Diseases, 2005, 192, 98-106.	1.9	228
49	Identification of New Drug Targets and Resistance Mechanisms in Mycobacterium tuberculosis. PLoS ONE, 2013, 8, e75245.	1.1	223
50	<i>Mycobacterium tuberculosis</i>Catalase and Peroxidase Activities and Resistance to Oxidative Killing in Human Monocytes In Vitro. Infection and Immunity, 1999, 67, 74-79.	1.0	223
51	Fumarate Reductase Activity Maintains an Energized Membrane in Anaerobic Mycobacterium tuberculosis. PLoS Pathogens, 2011, 7, e1002287.	2.1	221
52	The W-Beijing Lineage of Mycobacterium tuberculosis Overproduces Triglycerides and Has the DosR Dormancy Regulon Constitutively Upregulated. Journal of Bacteriology, 2007, 189, 2583-2589.	1.0	215
53	Rationally Designed Nucleoside Antibiotics That Inhibit Siderophore Biosynthesis ofMycobacteriumtuberculosis. Journal of Medicinal Chemistry, 2006, 49, 31-34.	2.9	214
54	Combinatorial Lead Optimization of [1,2]-Diamines Based on Ethambutol as Potential Antituberculosis Preclinical Candidates. ACS Combinatorial Science, 2003, 5, 172-187.	3.3	205

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55	Uptake of unnatural trehalose analogs as a reporter for Mycobacterium tuberculosis. Nature Chemical Biology, 2011, 7, 228-235.	3.9	202
56	Differential Monocyte Activation Underlies Strain-Specific Mycobacterium tuberculosis Pathogenesis. Infection and Immunity, 2004, 72, 5511-5514.	1.0	200
57	Disparate responses to oxidative stress in saprophytic and pathogenic mycobacteria.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6625-6629.	3.3	193
58	Prevalence of and risk factors for resistance to second-line drugs in people with multidrug-resistant tuberculosis in eight countries: a prospective cohort study. Lancet, The, 2012, 380, 1406-1417.	6.3	193
59	Identification of a gene involved in the biosynthesis of cyclopropanated mycolic acids in Mycobacterium tuberculosis.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6630-6634.	3.3	190
60	A Comparative Lipidomics Platform for Chemotaxonomic Analysis of Mycobacterium tuberculosis. Chemistry and Biology, 2011, 18, 1537-1549.	6.2	188
61	Hypoxic Response of Mycobacterium tuberculosis Studied by Metabolic Labeling and Proteome Analysis of Cellular and Extracellular Proteins. Journal of Bacteriology, 2002, 184, 3485-3491.	1.0	183
62	<i>Para</i> -Aminosalicylic Acid Acts as an Alternative Substrate of Folate Metabolism in <i>Mycobacterium tuberculosis</i>. Science, 2013, 339, 88-91.	6.0	178
63	The genetics and biochemistry of isoniazid resistance in Mycobacterium tuberculosis. Microbes and Infection, 2000, 2, 659-669.	1.0	171
64	Dynamic Population Changes in Mycobacterium tuberculosis During Acquisition and Fixation of Drug Resistance in Patients. Journal of Infectious Diseases, 2012, 206, 1724-1733.	1.9	169
65	Phenoxazinone synthase: mechanism for the formation of the phenoxazinone chromophore of actinomycin. Biochemistry, 1989, 28, 6323-6333.	1.2	168
66	A genetic strategy to identify targets for the development of drugs that prevent bacterial persistence. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19095-19100.	3.3	167
67	Anti-vascular endothelial growth factor treatment normalizes tuberculosis granuloma vasculature and improves small molecule delivery. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1827-1832.	3.3	167
68	Characterization of progressive HIV-associated tuberculosis using 2-deoxy-2-[18F]fluoro-D-glucose positron emission and computed tomography. Nature Medicine, 2016, 22, 1090-1093.	15.2	166
69	The Biosynthesis of Cyclopropanated Mycolic Acids in Mycobacterium tuberculosis. Journal of Biological Chemistry, 1995, 270, 27292-27298.	1.6	162
70	The effect of oxygenated mycolic acid composition on cell wall function and macrophage growth inMycobacterium tuberculosis. Molecular Microbiology, 1998, 29, 1449-1458.	1.2	161
71	Extreme Drug Tolerance of Mycobacterium tuberculosis in Caseum. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	159
72	Radiologic Responses in Cynomolgus Macaques for Assessing Tuberculosis Chemotherapy Regimens. Antimicrobial Agents and Chemotherapy, 2013, 57, 4237-4244.	1.4	156

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73	Pharmacokinetic Evaluation of the Penetration of Antituberculosis Agents in Rabbit Pulmonary Lesions. Antimicrobial Agents and Chemotherapy, 2012, 56, 446-457.	1.4	154
74	Biosynthesis and Recycling of Nicotinamide Cofactors in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2008, 283, 19329-19341.	1.6	152
75	Unique Mechanism of Action of the Thiourea Drug Isoxyl on Mycobacterium tuberculosis. Journal of Biological Chemistry, 2003, 278, 53123-53130.	1.6	145
76	Absolute Quantitative MALDI Imaging Mass Spectrometry: A Case of Rifampicin in Liver Tissues. Analytical Chemistry, 2016, 88, 2392-2398.	3.2	145
77	The Role of MmpL8 in Sulfatide Biogenesis and Virulence of Mycobacterium tuberculosis. Journal of Biological Chemistry, 2004, 279, 21257-21265.	1.6	142
78	A common mechanism for the biosynthesis of methoxy and cyclopropyl mycolic acids in Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 12828-12833.	3.3	140
79	Tuberculosis drugsâ€™ distribution and emergence of resistance in patientâ€™s lung lesions: A mechanistic model and tool for regimen and dose optimization. PLoS Medicine, 2019, 16, e1002773.	3.9	139
80	Isoniazid affects multiple components of the type II fatty acid synthase system of Mycobacterium tuberculosis. Molecular Microbiology, 2000, 38, 514-525.	1.2	134
81	Age and the epidemiology and pathogenesis of tuberculosis. Lancet, The, 2010, 375, 1852-1854.	6.3	132
82	Mutations in <i>gidB</i> Confer Low-Level Streptomycin Resistance in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2011, 55, 2515-2522.	1.4	130
83	Extensive Drug Resistance Acquired During Treatment of Multidrug-Resistant Tuberculosis. Clinical Infectious Diseases, 2014, 59, 1049-1063.	2.9	129
84	Evaluation of a Rapid Molecular Drug-Susceptibility Test for Tuberculosis. New England Journal of Medicine, 2017, 377, 1043-1054.	13.9	129
85	Effects of Pyrazinamide on Fatty Acid Synthesis by Whole Mycobacterial Cells and Purified Fatty Acid Synthase I. Journal of Bacteriology, 2002, 184, 2167-2172.	1.0	128
86	Meropenem inhibits <scp>D</scp>,<scp>D</scp>â€carboxypeptidase activity in <i><scp>M</scp>ycobacterium tuberculosis</i>. Molecular Microbiology, 2012, 86, 367-381.	1.2	128
87	Evaluating the Sensitivity of Mycobacterium tuberculosis to Biotin Deprivation Using Regulated Gene Expression. PLoS Pathogens, 2011, 7, e1002264.	2.1	127
88	Proteasomal Protein Degradation in Mycobacteria Is Dependent upon a Prokaryotic Ubiquitin-like Protein. Journal of Biological Chemistry, 2009, 284, 3069-3075.	1.6	126
89	PET/CT imaging correlates with treatment outcome in patients with multidrug-resistant tuberculosis. Science Translational Medicine, 2014, 6, 265ra166.	5.8	126
90	The Three RelE Homologs of <i>Mycobacterium tuberculosis</i> Have Individual, Drug-Specific Effects on Bacterial Antibiotic Tolerance. Journal of Bacteriology, 2010, 192, 1279-1291.	1.0	125

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91	Use of genomics and combinatorial chemistry in the development of new antimycobacterial drugs. Biochemical Pharmacology, 2000, 59, 221-231.	2.0	124
92	Pathway-Selective Sensitization of Mycobacterium tuberculosis for Target-Based Whole-Cell Screening. Chemistry and Biology, 2012, 19, 844-854.	6.2	123
93	A High-Throughput Screen To Identify Inhibitors of ATP Homeostasis in Non-replicating <i>Mycobacterium tuberculosis</i>. ACS Chemical Biology, 2012, 7, 1190-1197.	1.6	123
94	Prospects for Clinical Introduction of Nitroimidazole Antibiotics for the Treatment of Tuberculosis. Current Pharmaceutical Design, 2004, 10, 3239-3262.	0.9	123
95	Prospects for new antitubercular drugs. Current Opinion in Microbiology, 2004, 7, 460-465.	2.3	122
96	Nucleoid Condensation in Escherichia coli That Express a Chlamydial Histone Homolog. Science, 1992, 256, 377-379.	6.0	119
97	Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence. Nature, 1998, 396, 190-190.	13.7	119
98	Inhibition of Siderophore Biosynthesis in <i>Mycobacterium tuberculosis</i> with Nucleoside Bisubstrate Analogues: Structureâˆ’Activity Relationships of the Nucleobase Domain of 5â€²-<i>O</i>-[<i>N</i>-(Salicyl)sulfamoyl]adenosine. Journal of Medicinal Chemistry, 2008, 51, 5349-5370.	2.9	118
99	PET/CT imaging reveals a therapeutic response to oxazolidinones in macaques and humans with tuberculosis. Science Translational Medicine, 2014, 6, 265ra167.	5.8	116
100	Respiratory Flexibility in Response to Inhibition of Cytochrome <i>c</i> Oxidase in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2014, 58, 6962-6965.	1.4	116
101	Biochemical and Genetic Data Suggest that InhA Is Not the Primary Target for Activated Isoniazid in Mycobacterium tuberculosis. Journal of Infectious Diseases, 1996, 174, 1085-1090.	1.9	115
102	PE/PPE proteins mediate nutrient transport across the outer membrane of <i>Mycobacterium tuberculosis</i>. Science, 2020, 367, 1147-1151.	6.0	110
103	Metronidazole prevents reactivation of latent <i>Mycobacterium tuberculosis</i> infection in macaques. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14188-14193.	3.3	109
104	Differential Virulence and Disease Progression following Mycobacterium tuberculosis Complex Infection of the Common Marmoset (Callithrix jacchus). Infection and Immunity, 2013, 81, 2909-2919.	1.0	107
105	Phenoxazinone synthase: enzymatic catalysis of an aminophenol oxidative cascade. Journal of the American Chemical Society, 1988, 110, 3333-3334.	6.6	104
106	Structureâˆ’Activity Relationships of Antitubercular Nitroimidazoles. 1. Structural Features Associated with Aerobic and Anaerobic Activities of 4- and 5-Nitroimidazoles. Journal of Medicinal Chemistry, 2009, 52, 1317-1328.	2.9	101
107	Interpreting cell wall 'virulence factors' of Mycobacterium tuberculosis. Trends in Microbiology, 2001, 9, 237-241.	3.5	100
108	A novel <scp>F₄₂₀</scp>â€dependent antiâ€oxidant mechanism protects <i><scp>M</scp>ycobacterium tuberculosis</i> against oxidative stress and bactericidal agents. Molecular Microbiology, 2013, 87, 744-755.	1.2	99

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109	Defective positioning in granulomas but not lung-homing limits CD4 T-cell interactions with Mycobacterium tuberculosis-infected macrophages in rhesus macaques. Mucosal Immunology, 2018, 11, 462-473.	2.7	99
110	Drug sensitivity and environmental adaptation of myocobacterial cell wall components. Trends in Microbiology, 1996, 4, 275-281.	3.5	97
111	Targeting the Formation of the Cell Wall Core of M. tuberculosis. Infectious Disorders - Drug Targets, 2007, 7, 182-202.	0.4	97
112	Antimycobacterial natural products: synthesis and preliminary biological evaluation of the oxazole-containing alkaloid texaline. Tetrahedron Letters, 2005, 46, 7355-7357.	0.7	96
113	Complement pathway gene activation and rising circulating immune complexes characterize early disease in HIV-associated tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E964-E973.	3.3	96
114	A Point Mutation in the mma3 Gene Is Responsible for Impaired Methoxymycolic Acid Production in Mycobacterium bovis BCG Strains Obtained after 1927. Journal of Bacteriology, 2000, 182, 3394-3399.	1.0	95
115	Mycobacterium tuberculosisInhibits Maturation of Human Monocyteâ€Derived Dendritic Cells In Vitro. Journal of Infectious Diseases, 2003, 188, 257-266.	1.9	95
116	The within-host population dynamics of Mycobacterium tuberculosis vary with treatment efficacy. Genome Biology, 2017, 18, 71.	3.8	95
117	Extensively Drug-Resistant Tuberculosis in South Korea: Risk Factors and Treatment Outcomes among Patients at a Tertiary Referral Hospital. Clinical Infectious Diseases, 2008, 46, 42-49.	2.9	94
118	The role of KasA and KasB in the biosynthesis of meromycolic acids and isoniazid resistance in Mycobacterium tuberculosis. Tuberculosis, 2002, 82, 149-160.	0.8	93
119	A medicinal chemistsâ€™ guide to the unique difficulties of lead optimization for tuberculosis. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4741-4750.	1.0	93
120	Linezolid Trough Concentrations Correlate with Mitochondrial Toxicity-Related Adverse Events in the Treatment of Chronic Extensively Drug-Resistant Tuberculosis. EBioMedicine, 2015, 2, 1627-1633.	2.7	93
121	The Lancet Respiratory Medicine Commission: 2019 update: epidemiology, pathogenesis, transmission, diagnosis, and management of multidrug-resistant and incurable tuberculosis. Lancet Respiratory Medicine,the, 2019, 7, 820-826.	5.2	92
122	Infection Dynamics and Response to Chemotherapy in a Rabbit Model of Tuberculosis using [¹⁸ F]2-Fluoro-Deoxy- <scp>d</scp> -Glucose Positron Emission Tomography and Computed Tomography. Antimicrobial Agents and Chemotherapy, 2012, 56, 4391-4402.	1.4	89
123	Meropenem-Clavulanic Acid Shows Activity against Mycobacterium tuberculosis In Vivo. Antimicrobial Agents and Chemotherapy, 2012, 56, 3384-3387.	1.4	89
124	Understanding latent tuberculosis: the key to improved diagnostic and novel treatment strategies. Drug Discovery Today, 2012, 17, 514-521.	3.2	87
125	Sensititre MYCOTB MIC Plate for Testing Mycobacterium tuberculosis Susceptibility to First- and Second-Line Drugs. Antimicrobial Agents and Chemotherapy, 2014, 58, 11-18.	1.4	86
126	MMAS-1, the Branch Point Between cis- and trans-Cyclopropane-containing Oxygenated Mycolates in Mycobacterium tuberculosis. Journal of Biological Chemistry, 1997, 272, 10041-10049.	1.6	85

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127	5â€˜-<i>O</i>-[(<i>N</i>-Acyl)sulfamoyl]adenosines as Antitubercular Agents that Inhibit MbtA:â€‰ An Adenylation Enzyme Required for Siderophore Biosynthesis of the Mycobactins. Journal of Medicinal Chemistry, 2007, 50, 6080-6094.	2.9	85
128	Fitness costs of rifampicin resistance in <scp><i>M</i></scp><i>ycobacterium tuberculosis</i> are amplified under conditions of nutrient starvation and compensated by mutation in the Î²â€² subunit of <scp>RNA</scp> polymerase. Molecular Microbiology, 2014, 91, 1106-1119.	1.2	85
129	Inhibition of Siderophore Biosynthesis by 2-Triazole Substituted Analogues of 5â€²-<i>O</i>-[<i>N</i>-(Salicyl)sulfamoyl]adenosine: Antibacterial Nucleosides Effective against <i>Mycobacterium tuberculosis</i>. Journal of Medicinal Chemistry, 2008, 51, 7495-7507.	2.9	83
130	Polymorphisms Associated with Resistance and Cross-Resistance to Aminoglycosides and Capreomycin in <i>Mycobacterium tuberculosis</i> Isolates from South Korean Patients with Drug-Resistant Tuberculosis. Journal of Clinical Microbiology, 2010, 48, 402-411.	1.8	83
131	Expansion of the mycobacterial â€œPUPylomeâ€. Molecular BioSystems, 2010, 6, 376-385.	2.9	83
132	Bisubstrate Adenylation Inhibitors of Biotin Protein Ligase from Mycobacterium tuberculosis. Chemistry and Biology, 2011, 18, 1432-1441.	6.2	83
133	Structureâˆ’Activity Relationships of Antitubercular Nitroimidazoles. 2. Determinants of Aerobic Activity and Quantitative Structureâˆ’Activity Relationships. Journal of Medicinal Chemistry, 2009, 52, 1329-1344.	2.9	82
134	Plasticity of the Mycobacterium tuberculosis respiratory chain and its impact on tuberculosis drug development. Nature Communications, 2019, 10, 4970.	5.8	82
135	Defining the Mode of Action of Tetramic Acid Antibacterials Derived from Pseudomonas aeruginosa Quorum Sensing Signals. Journal of the American Chemical Society, 2009, 131, 14473-14479.	6.6	80
136	Structure of Ddn, the Deazaflavin-Dependent Nitroreductase from Mycobacterium tuberculosis Involved in Bioreductive Activation of PA-824. Structure, 2012, 20, 101-112.	1.6	80
137	Within patient microevolution of Mycobacterium tuberculosis correlates with heterogeneous responses to treatment. Scientific Reports, 2015, 5, 17507.	1.6	80
138	Structureâˆ’Activity Relationships at the 5-Position of Thiolactomycin:Â An Intact (5R)-Isoprene Unit Is Required for Activity against the Condensing Enzymes fromMycobacteriumtuberculosisandEscherichiacoli. Journal of Medicinal Chemistry, 2006, 49, 159-171.	2.9	79
139	Antitubercular Nucleosides That Inhibit Siderophore Biosynthesis:Â SAR of the Glycosyl Domain. Journal of Medicinal Chemistry, 2006, 49, 7623-7635.	2.9	78
140	Rapid detection of Mycobacterium tuberculosis biomarkers in a sandwich immunoassay format using a waveguide-based optical biosensor. Tuberculosis, 2012, 92, 407-416.	0.8	78
141	Essential but Not Vulnerable: Indazole Sulfonamides Targeting Inosine Monophosphate Dehydrogenase as Potential Leads against <i>Mycobacterium tuberculosis</i>. ACS Infectious Diseases, 2017, 3, 18-33.	1.8	77
142	Molecular cloning and expression of hctB encoding a strain-variant chlamydial histone-like protein with DNA-binding activity. Journal of Bacteriology, 1993, 175, 4274-4281.	1.0	76
143	Mechanisms involved in the intrinsic isoniazid resistance ofMycobacterium avium. Molecular Microbiology, 1998, 27, 1223-1233.	1.2	76
144	Top down characterization of secreted proteins from Mycobacterium tuberculosis by electron capture dissociation mass spectrometry. Journal of the American Society for Mass Spectrometry, 2003, 14, 253-261.	1.2	76

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145	BacA, an ABC Transporter Involved in Maintenance of Chronic Murine Infections with <i>Mycobacterium tuberculosis</i>. Journal of Bacteriology, 2009, 191, 477-485.	1.0	76
146	Storage lipid studies in tuberculosis reveal that foam cell biogenesis is disease-specific. PLoS Pathogens, 2018, 14, e1007223.	2.1	75
147	Hc1-mediated effects on DNA structure: a potential regulator of chlamydial development. Molecular Microbiology, 1993, 9, 273-283.	1.2	74
148	Genetic Diversity of <i>Mycobacterium tuberculosis</i> Isolates from a Tertiary Care Tuberculosis Hospital in South Korea. Journal of Clinical Microbiology, 2010, 48, 387-394.	1.8	73
149	Host-Mediated Bioactivation of Pyrazinamide: Implications for Efficacy, Resistance, and Therapeutic Alternatives. ACS Infectious Diseases, 2015, 1, 203-214.	1.8	71
150	Impact of Diabetes and Smoking on Mortality in Tuberculosis. PLoS ONE, 2013, 8, e58044.	1.1	71
151	Substrate specificity of the deazaflavinâ€dependent nitroreductase from <i>Mycobacteriumâ€ƒtuberculosis</i> responsible for the bioreductive activation of bicyclic nitroimidazoles. FEBS Journal, 2012, 279, 113-125.	2.2	70
152	The present state of the tuberculosis drug development pipeline. Current Opinion in Pharmacology, 2018, 42, 81-94.	1.7	70
153	Linezolid for XDR-TB â€" Final Study Outcomes. New England Journal of Medicine, 2015, 373, 290-291.	13.9	69
154	Efficacy and Safety of Metronidazole for Pulmonary Multidrug-Resistant Tuberculosis. Antimicrobial Agents and Chemotherapy, 2013, 57, 3903-3909.	1.4	67
155	Structures of DPAGT1 Explain Glycosylation Disease Mechanisms and Advance TB Antibiotic Design. Cell, 2018, 175, 1045-1058.e16.	13.5	67
156	Structureâ€"activity relationships of 2-aminothiazoles effective against Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry, 2013, 21, 6385-6397.	1.4	66
157	The bacillary and macrophage response to hypoxia in tuberculosis and the consequences for T cell antigen recognition. Microbes and Infection, 2017, 19, 177-192.	1.0	66
158	Design, Synthesis, and Biological Evaluation of Î²-Ketosulfonamide Adenylation Inhibitors as Potential Antitubercular Agents. Organic Letters, 2006, 8, 4707-4710.	2.4	65
159	Reagent Precoated Targets for Rapid In-Tissue Derivatization of the Anti-Tuberculosis Drug Isoniazid Followed by MALDI Imaging Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2011, 22, 1409-1419.	1.2	65
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