Clifton E Barry Iii

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	A Rabbit Model to Study Antibiotic Penetration at the Site of Infection for Nontuberculous Mycobacterial Lung Disease: Macrolide Case Study. Antimicrobial Agents and Chemotherapy, 2022, 66, aac0221221.	1.4	13
2	DNA-Dependent Binding of Nargenicin to DnaE1 Inhibits Replication in Mycobacterium tuberculosis. ACS Infectious Diseases, 2022, 8, 612-625.	1.8	11
3	Identification of Î²-Lactams Active against Mycobacterium tuberculosis by a Consortium of Pharmaceutical Companies and Academic Institutions. ACS Infectious Diseases, 2022, 8, 557-573.	1.8	13
4	Treatments of Multidrug-Resistant Tuberculosis: Light at the End of the Tunnel. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 1142-1144.	2.5	10
5	Phylogenomic analysis of the diversity of graspetides and proteins involved in their biosynthesis. Biology Direct, 2022, 17, 7.	1.9	9
6	MAIT cell-directed therapy of Mycobacterium tuberculosis infection. Mucosal Immunology, 2021, 14, 199-208.	2.7	57
7	Structureâ€“Activity Relationships of Pyrazolo[1,5-a]pyrimidin-7(4H)-ones as Antitubercular Agents. ACS Infectious Diseases, 2021, 7, 479-492.	1.8	9
8	Antitubercular 2-Pyrazolylpyrimidinones: Structureâ€“Activity Relationship and Mode-of-Action Studies. Journal of Medicinal Chemistry, 2021, 64, 719-740.	2.9	9
9	Fourteen-day PET/CT imaging to monitor drug combination activity in treated individuals with tuberculosis. Science Translational Medicine, 2021, 13, .	5.8	25
10	Tuberculosis Drug Discovery: A Decade of Hit Assessment for Defined Targets. Frontiers in Cellular and Infection Microbiology, 2021, 11, 611304.	1.8	38
11	Targeting Mycobacterium tuberculosis CoaBC through Chemical Inhibition of 4â€²-Phosphopantothenoyl-<scp>l</scp>-cysteine Synthetase (CoaB) Activity. ACS Infectious Diseases, 2021, 7, 1666-1679.	1.8	3
12	Structural Basis for a Dual Function ATP Grasp Ligase That Installs Single and Bicyclic Ï‰-Ester Macrocycles in a New Multicore RiPP Natural Product. Journal of the American Chemical Society, 2021, 143, 8056-8068.	6.6	20
13	Activating Mucosal-Associated Invariant T Cells Induces a Broad Antitumor Response. Cancer Immunology Research, 2021, 9, 1024-1034.	1.6	29
14	Functional inactivation of pulmonary MAIT cells following 5-OP-RU treatment of non-human primates. Mucosal Immunology, 2021, 14, 1055-1066.	2.7	23
15	The Tuberculosis Drug Accelerator at year 10: what have we learned?. Nature Medicine, 2021, 27, 1333-1337.	15.2	32
16	Resistance of Mycobacterium tuberculosis to indole 4-carboxamides occurs through alterations in drug metabolism and tryptophan biosynthesis. Cell Chemical Biology, 2021, 28, 1180-1191.e20.	2.5	5
17	1,3-Diarylpyrazolyl-acylsulfonamides as Potent Anti-tuberculosis Agents Targeting Cell Wall Biosynthesis in Mycobacterium tuberculosis. Journal of Medicinal Chemistry, 2021, 64, 12790-12807.	2.9	13
18	Eosinophils are part of the granulocyte response in tuberculosis and promote host resistance in mice. Journal of Experimental Medicine, 2021, 218, .	4.2	38

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19	Lesion Penetration and Activity Limit the Utility of Second-Line Injectable Agents in Pulmonary Tuberculosis. Antimicrobial Agents and Chemotherapy, 2021, 65, e0050621.	1.4	12
20	Radiological and functional evidence of the bronchial spread of tuberculosis: an observational analysis. Lancet Microbe, The, 2021, 2, e518-e526.	3.4	16
21	Inhibiting Mycobacterium tuberculosis CoaBC by targeting an allosteric site. Nature Communications, 2021, 12, 143.	5.8	8
22	Signature required: The transcriptional response to tuberculosis. Journal of Experimental Medicine, 2021, 218, .	4.2	3
23	Setting Our Sights on Infectious Diseases. ACS Infectious Diseases, 2020, 6, 3-13.	1.8	17
24	Development and Optimization of Chromosomally-Integrated Fluorescent Mycobacterium tuberculosis Reporter Constructs. Frontiers in Microbiology, 2020, 11, 591866.	1.5	9
25	PE/PPE proteins mediate nutrient transport across the outer membrane of Mycobacterium tuberculosis. Science, 2020, 367, 1147-1151.	6.0	110
26	Current and future treatments for tuberculosis. BMJ, The, 2020, 368, m216.	3.0	43
27	Quantitative 18F-FDG PET-CT scan characteristics correlate with tuberculosis treatment response. EJNMMI Research, 2020, 10, 8.	1.1	27
28	Inhibition of CorA-Dependent Magnesium Homeostasis Is Cidal in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	9
29	C4-Phenylthio Î²-lactams: Effect of the chirality of the Î²-lactam ring on antimicrobial activity. Bioorganic and Medicinal Chemistry, 2019, 27, 115050.	1.4	9
30	Plasticity of the Mycobacterium tuberculosis respiratory chain and its impact on tuberculosis drug development. Nature Communications, 2019, 10, 4970.	5.8	82
31	Mode-of-action profiling reveals glutamine synthetase as a collateral metabolic vulnerability of M. tuberculosis to bedaquiline. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19646-19651.	3.3	38
32	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
33	Targeting of Fumarate Hydratase from Mycobacterium tuberculosis Using Allosteric Inhibitors with a Dimeric-Binding Mode. Journal of Medicinal Chemistry, 2019, 62, 10586-10604.	2.9	9
34	Changes in inflammatory protein and lipid mediator profiles persist after antitubercular treatment of pulmonary and extrapulmonary tuberculosis: A prospective cohort study. Cytokine, 2019, 123, 154759.	1.4	55
35	Molecular degree of perturbation of plasma inflammatory markers associated with tuberculosis reveals distinct disease profiles between Indian and Chinese populations. Scientific Reports, 2019, 9, 8002.	1.6	33
36	Linezolid resistance in patients with drug-resistant TB and treatment failure in South Africa. Journal of Antimicrobial Chemotherapy, 2019, 74, 2377-2384.	1.3	32

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37	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
38	2-Mercapto-Quinazolinones as Inhibitors of Type II NADH Dehydrogenase and Mycobacterium tuberculosis: Structureâ€“Activity Relationships, Mechanism of Action and Absorption, Distribution, Metabolism, and Excretion Characterization. ACS Infectious Diseases, 2018, 4, 954-969.	1.8	49
39	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
40	Role of Chemical Biology in Tuberculosis Drug Discovery and Diagnosis. ACS Infectious Diseases, 2018, 4, 458-466.	1.8	13
41	Transmission ofMycobacterium tuberculosisFrom Patients Who Are Nucleic Acid Amplification Test Negative. Clinical Infectious Diseases, 2018, 67, 1653-1659.	2.9	11
42	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
43	A semi-automatic technique to quantify complex tuberculous lung lesions on 18F-fluorodeoxyglucose positron emission tomography/computerised tomography images. EJNMMI Research, 2018, 8, 55.	1.1	16
44	Discovery and Structureâ€“Activity-Relationship Study of N-Alkyl-5-hydroxypyrimidinone Carboxamides as Novel Antitubercular Agents Targeting Decaprenylphosphoryl-Î²-<scp>d</scp>-ribose 2â€²-Oxidase. Journal of Medicinal Chemistry, 2018, 61, 9952-9965.	2.9	29
45	Structures of DPAGT1 Explain Glycosylation Disease Mechanisms and Advance TB Antibiotic Design. Cell, 2018, 175, 1045-1058.e16.	13.5	67
46	Storage lipid studies in tuberculosis reveal that foam cell biogenesis is disease-specific. PLoS Pathogens, 2018, 14, e1007223.	2.1	75
47	Construction of Fluorescent Analogs to Follow the Uptake and Distribution of Cobalamin (Vitamin) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	30
48	Long-acting formulations for the treatment of latent tuberculous infection: opportunities and challenges. International Journal of Tuberculosis and Lung Disease, 2018, 22, 125-132.	0.6	40
49	The present state of the tuberculosis drug development pipeline. Current Opinion in Pharmacology, 2018, 42, 81-94.	1.7	70
50	Oxazolidinones are essential in resistance-proof drug combinations in M. tuberculosis selected under in vitro conditions. International Journal of Infectious Diseases, 2018, 73, 129.	1.5	0
51	Extreme Drug Tolerance of Mycobacterium tuberculosis in Caseum. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	159
52	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
53	The within-host population dynamics of Mycobacterium tuberculosis vary with treatment efficacy. Genome Biology, 2017, 18, 71.	3.8	95
54	Fragment-Sized EthR Inhibitors Exhibit Exceptionally Strong Ethionamide Boosting Effect in Whole-Cell Mycobacterium tuberculosis Assays. ACS Chemical Biology, 2017, 12, 1390-1396.	1.6	24

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55	Evaluation of a Rapid Molecular Drug-Susceptibility Test for Tuberculosis. New England Journal of Medicine, 2017, 377, 1043-1054.	13.9	129
56	NOS2-deficient mice with hypoxic necrotizing lung lesions predict outcomes of tuberculosis chemotherapy in humans. Scientific Reports, 2017, 7, 8853.	1.6	22
57	Susceptibility of Mycobacterium tuberculosis Cytochrome bd Oxidase Mutants to Compounds Targeting the Terminal Respiratory Oxidase, Cytochrome c. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	49
58	Linking High-Throughput Screens to Identify MoAs and Novel Inhibitors of Mycobacterium tuberculosis Dihydrofolate Reductase. ACS Chemical Biology, 2017, 12, 2448-2456.	1.6	24
59	Novel Antitubercular 6-Dialkylaminopyrimidine Carboxamides from Phenotypic Whole-Cell High Throughput Screening of a SoftFocus Library: Structureâ€“Activity Relationship and Target Identification Studies. Journal of Medicinal Chemistry, 2017, 60, 10118-10134.	2.9	22
60	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
61	Detection of Isoniazid-, Fluoroquinolone-, Amikacin-, and Kanamycin-Resistant Tuberculosis in an Automated, Multiplexed 10-Color Assay Suitable for Point-of-Care Use. Journal of Clinical Microbiology, 2017, 55, 183-198.	1.8	47
62	Essential but Not Vulnerable: Indazole Sulfonamides Targeting Inosine Monophosphate Dehydrogenase as Potential Leads against Mycobacterium tuberculosis. ACS Infectious Diseases, 2017, 3, 18-33.	1.8	77
63	Interferon-gamma response to the treatment of active pulmonary and extra-pulmonary tuberculosis. International Journal of Tuberculosis and Lung Disease, 2017, 21, 1145-1149.	0.6	13
64	Using biomarkers to predict TB treatment duration (Predict TB): a prospective, randomized, noninferiority, treatment shortening clinical trial. Gates Open Research, 2017, 1, 9.	2.0	22
65	Bacterial Loads Measured by the Xpert MTB/RIF Assay as Markers of Culture Conversion and Bacteriological Cure in Pulmonary TB. PLoS ONE, 2016, 11, e0160062.	1.1	35
66	2-Aryl-8-aza-3-deazaadenosine analogues of 5â€²-O-[N-(salicyl)sulfamoyl]adenosine: Nucleoside antibiotics that block siderophore biosynthesis in Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry, 2016, 24, 3133-3143.	1.4	18
67	Inflammatory signaling in human tuberculosis granulomas is spatially organized. Nature Medicine, 2016, 22, 531-538.	15.2	273
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	Persisting positron emission tomography lesion activity and Mycobacterium tuberculosis mRNA after tuberculosis cure. Nature Medicine, 2016, 22, 1094-1100.	15.2	247
70	Validation of CoaBC as a Bactericidal Target in the Coenzyme A Pathway of Mycobacterium tuberculosis. ACS Infectious Diseases, 2016, 2, 958-968.	1.8	62
71	Bioluminescent Reporters for Rapid Mechanism of Action Assessment in Tuberculosis Drug Discovery. Antimicrobial Agents and Chemotherapy, 2016, 60, 6748-6757.	1.4	38
72	SAR and identification of 2-(quinolin-4-yloxy)acetamides as Mycobacterium tuberculosis cytochrome bc₁ inhibitors. MedChemComm, 2016, 7, 2122-2127.	3.5	36

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73	Pharmacological Inhibition of Host Heme Oxygenase-1 Suppresses Mycobacterium tuberculosis Infection In Vivo by a Mechanism Dependent on T Lymphocytes. MBio, 2016, 7, .	1.8	44
74	The impact of social conditions on patient adherence to pulmonary tuberculosis treatment. International Journal of Tuberculosis and Lung Disease, 2016, 20, 948-954.	0.6	19
75	Selective small molecule inhibitor of the Mycobacterium tuberculosis fumarate hydratase reveals an allosteric regulatory site. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7503-7508.	3.3	36
76	Absolute Quantitative MALDI Imaging Mass Spectrometry: A Case of Rifampicin in Liver Tissues. Analytical Chemistry, 2016, 88, 2392-2398.	3.2	145
77	Mathematical Model of Oxygen Transport in Tuberculosis Granulomas. Annals of Biomedical Engineering, 2016, 44, 863-872.	1.3	29
78	Tuberculosis. Lancet, The, 2016, 387, 1211-1226.	6.3	480
79	Real-Time Investigation of Tuberculosis Transmission: Developing the Respiratory Aerosol Sampling Chamber (RASC). PLoS ONE, 2016, 11, e0146658.	1.1	40
80	Within patient microevolution of Mycobacterium tuberculosis correlates with heterogeneous responses to treatment. Scientific Reports, 2015, 5, 17507.	1.6	80
81	Major Global Killer Tamed by Hydrogen. ACS Central Science, 2015, 1, 286-288.	5.3	0
82	Dynamic exometabolome analysis reveals active metabolic pathways in nonâ€•replicating mycobacteria. Environmental Microbiology, 2015, 17, 4802-4815.	1.8	40
83	The Death of the â€œThree Msâ€• ACS Infectious Diseases, 2015, 1, 578-579.	1.8	1
84	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
85	Molecular insights into the binding of coenzyme <scp>F₄₂₀</scp> to the conserved protein <scp>R</scp>v1155 from <scp>M</scp>ycobacterium tuberculosis. Protein Science, 2015, 24, 729-740.	3.1	16
86	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
87	Non-transpeptidase binding arylthioether Î²-lactams active against Mycobacterium tuberculosis and Moraxella catarrhalis. Bioorganic and Medicinal Chemistry, 2015, 23, 632-647.	1.4	6
88	Evolutionary history and global spread of the Mycobacterium tuberculosis Beijing lineage. Nature Genetics, 2015, 47, 242-249.	9.4	466
89	<scp>TB</scp> drug development: immunology at the table. Immunological Reviews, 2015, 264, 308-318.	2.8	43
90	Timing is everything for compassionate use of delamanid. Nature Medicine, 2015, 21, 211-211.	15.2	11

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91	Linezolid for XDR-TB â€" Final Study Outcomes. New England Journal of Medicine, 2015, 373, 290-291.	13.9	69
92	Synthesis and Pharmacokinetic Evaluation of Siderophore Biosynthesis Inhibitors for Mycobacterium tuberculosis. Journal of Medicinal Chemistry, 2015, 58, 5459-5475.	2.9	46
93	Investigation and Conformational Analysis of Fluorinated Nucleoside Antibiotics Targeting Siderophore Biosynthesis. Journal of Organic Chemistry, 2015, 80, 4835-4850.	1.7	26
94	More than just bugs in spit. Science, 2015, 348, 633-634.	6.0	5
95	Heterogeneity in tuberculosis pathology, microenvironments and therapeutic responses. Immunological Reviews, 2015, 264, 288-307.	2.8	287
96	Host-Mediated Bioactivation of Pyrazinamide: Implications for Efficacy, Resistance, and Therapeutic Alternatives. ACS Infectious Diseases, 2015, 1, 203-214.	1.8	71
97	Aminopyrazolo[1,5-a]pyrimidines as potential inhibitors of Mycobacterium tuberculosis: Structure activity relationships and ADME characterization. Bioorganic and Medicinal Chemistry, 2015, 23, 7240-7250.	1.4	41
98	The association between sterilizing activity and drug distribution into tuberculosis lesions. Nature Medicine, 2015, 21, 1223-1227.	15.2	387
99	A Sterilizing Tuberculosis Treatment Regimen Is Associated with Faster Clearance of Bacteria in Cavitary Lesions in Marmosets. Antimicrobial Agents and Chemotherapy, 2015, 59, 4181-4189.	1.4	59
100	Treatment of Tuberculosis. New England Journal of Medicine, 2015, 373, 2149-2160.	13.9	290
101	Genotypic Susceptibility Testing of Mycobacterium tuberculosis Isolates for Amikacin and Kanamycin Resistance by Use of a Rapid Sloppy Molecular Beacon-Based Assay Identifies More Cases of Low-Level Drug Resistance than Phenotypic Lowenstein-Jensen Testing. Journal of Clinical Microbiology, 2015, 53, 43-51.	1.8	32
102	Comparative Evaluation of Sloppy Molecular Beacon and Dual-Labeled Probe Melting Temperature Assays to Identify Mutations in Mycobacterium tuberculosis Resulting in Rifampin, Fluoroquinolone and Aminoglycoside Resistance. PLoS ONE, 2015, 10, e0126257.	1.1	12
103	Pharmacokinetics-Pharmacodynamics Analysis of Bicyclic 4-Nitroimidazole Analogs in a Murine Model of Tuberculosis. PLoS ONE, 2014, 9, e105222.	1.1	23
104	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
105	PET/CT imaging reveals a therapeutic response to oxazolidinones in macaques and humans with tuberculosis. Science Translational Medicine, 2014, 6, 265ra167.	5.8	116
106	PET/CT imaging correlates with treatment outcome in patients with multidrug-resistant tuberculosis. Science Translational Medicine, 2014, 6, 265ra166.	5.8	126
107	Fitness costs of rifampicin resistance in <scp>M</scp>ycobacterium tuberculosis 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
108	Drug discovery goes au naturel. Nature, 2014, 506, 436-437.	13.7	9

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109	The Three Mycobacterium tuberculosis Antigen 85 Isoforms Have Unique Substrates and Activities Determined by Non-active Site Regions. Journal of Biological Chemistry, 2014, 289, 25041-25053.	1.6	52
110	The ongoing challenge of latent tuberculosis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130437.	1.8	250
111	Respiratory Flexibility in Response to Inhibition of Cytochrome c Oxidase in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2014, 58, 6962-6965.	1.4	116
112	Extensive Drug Resistance Acquired During Treatment of Multidrug-Resistant Tuberculosis. Clinical Infectious Diseases, 2014, 59, 1049-1063.	2.9	129
113	Predictors of pulmonary tuberculosis treatment outcomes in South Korea: a prospective cohort study, 2005-2012. BMC Infectious Diseases, 2014, 14, 360.	1.3	48
114	Host-directed therapy of tuberculosis based on interleukin-1 and type I interferon crosstalk. Nature, 2014, 511, 99-103.	13.7	650
115	Detection of stealthy small amphiphilic biomarkers. Journal of Microbiological Methods, 2014, 103, 112-117.	0.7	16
116	Some Nigerian anti-tuberculosis ethnomedicines: A preliminary efficacy assessment. Journal of Ethnopharmacology, 2014, 155, 524-532.	2.0	22
117	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
118	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
119	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
120	Utility of the REBA MTB-rifaÂ® assay for rapid detection of rifampicin resistant Mycobacterium Tuberculosis. BMC Infectious Diseases, 2013, 13, 478.	1.3	9
121	Structureâ€“activity relationships of 2-aminothiazoles effective against Mycobacterium tuberculosis. Bioorganic and Medicinal Chemistry, 2013, 21, 6385-6397.	1.4	66
122	Efficacy and Safety of Metronidazole for Pulmonary Multidrug-Resistant Tuberculosis. Antimicrobial Agents and Chemotherapy, 2013, 57, 3903-3909.	1.4	67
123	Association of lipoarabinomannan with high density lipoprotein in blood: Implications for diagnostics. Tuberculosis, 2013, 93, 301-307.	0.8	46
124	Para -Aminosalicylic Acid Acts as an Alternative Substrate of Folate Metabolism in Mycobacterium tuberculosis. Science, 2013, 339, 88-91.	6.0	178
125	Chasing Koch's chimera. Lancet Infectious Diseases, The, 2013, 13, 289-291.	4.6	0
126	Non-Nucleoside Inhibitors of BasE, an Adenylating Enzyme in the Siderophore Biosynthetic Pathway of the Opportunistic Pathogen Acinetobacter baumannii. Journal of Medicinal Chemistry, 2013, 56, 2385-2405.	2.9	48

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127	A novel <scp>F₄₂₀</scp>â€dependent antiâ€oxidant mechanism protects <scp>M</scp>ycobacterium tuberculosis against oxidative stress and bactericidal agents. Molecular Microbiology, 2013, 87, 744-755.	1.2	99
128	Structureâ€“activity relationships of antitubercular salicylanilides consistent with disruption of the proton gradient via proton shuttling. Bioorganic and Medicinal Chemistry, 2013, 21, 114-126.	1.4	53
129	Functional Role of Methylation of G518 of the 16S rRNA 530 Loop by GidB in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2013, 57, 6311-6318.	1.4	42
130	Exploring Alternative Biomaterials for Diagnosis of Pulmonary Tuberculosis in HIV-Negative Patients by Use of the GeneXpert MTB/RIF Assay. Journal of Clinical Microbiology, 2013, 51, 4161-4166.	1.8	42
131	Radiologic Responses in Cynomolgus Macaques for Assessing Tuberculosis Chemotherapy Regimens. Antimicrobial Agents and Chemotherapy, 2013, 57, 4237-4244.	1.4	156
132	Partial Complementation of Sinorhizobium meliloti bacA Mutant Phenotypes by the Mycobacterium tuberculosis BacA Protein. Journal of Bacteriology, 2013, 195, 389-398.	1.0	24
133	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
134	Identification of New Drug Targets and Resistance Mechanisms in Mycobacterium tuberculosis. PLoS ONE, 2013, 8, e75245.	1.1	223
135	Impact of Diabetes and Smoking on Mortality in Tuberculosis. PLoS ONE, 2013, 8, e58044.	1.1	71
136	Comment on: Identification of antimicrobial activity among FDA-approved drugs for combating Mycobacterium abscessus and Mycobacterium chelonae. Journal of Antimicrobial Chemotherapy, 2012, 67, 252-253.	1.3	7
137	Frequency of adverse reactions to first- and second-line anti-tuberculosis chemotherapy in a Korean cohort. International Journal of Tuberculosis and Lung Disease, 2012, 16, 961-966.	0.6	48
138	Pharmacokinetic Evaluation of the Penetration of Antituberculosis Agents in Rabbit Pulmonary Lesions. Antimicrobial Agents and Chemotherapy, 2012, 56, 446-457.	1.4	154
139	A Convergent Synthesis of Chiral Diaminopimelic Acid Derived Substrates for Mycobacterial l,d-Transpeptidases. Synthesis, 2012, 44, 3043-3048.	1.2	2
140	Linezolid for Treatment of Chronic Extensively Drug-Resistant Tuberculosis. New England Journal of Medicine, 2012, 367, 1508-1518.	13.9	496
141	Rapid, High-Throughput Detection of Rifampin Resistance and Heteroresistance in Mycobacterium tuberculosis by Use of Sloppy Molecular Beacon Melting Temperature Coding. Journal of Clinical Microbiology, 2012, 50, 2194-2202.	1.8	38
142	Rhabdomyolysis in a Patient Treated With Linezolid for Extensively Drug-Resistant Tuberculosis. Clinical Infectious Diseases, 2012, 54, 1624-1627.	2.9	21
143	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
144	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

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145	Meropenem inhibits <scp>D</scp>,<scp>D</scp>â€carboxypeptidase activity in <scp>M</scp>ycobacterium tuberculosis. Molecular Microbiology, 2012, 86, 367-381.	1.2	128
146	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
147	Pathway-Selective Sensitization of Mycobacterium tuberculosis for Target-Based Whole-Cell Screening. Chemistry and Biology, 2012, 19, 844-854.	6.2	123
148	Detection and treatment of subclinical tuberculosis. Tuberculosis, 2012, 92, 447-452.	0.8	33
149	Meropenem-Clavulanic Acid Shows Activity against Mycobacterium tuberculosis In Vivo. Antimicrobial Agents and Chemotherapy, 2012, 56, 3384-3387.	1.4	89
150	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
151	Metronidazole prevents reactivation of latent Mycobacterium tuberculosis infection in macaques. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14188-14193.	3.3	109
152	Lipidomic discovery of deoxysiderophores reveals a revised mycobactin biosynthesis pathway in Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1257-1262.	3.3	61
153	A High-Throughput Screen To Identify Inhibitors of ATP Homeostasis in Non-replicating Mycobacterium tuberculosis. ACS Chemical Biology, 2012, 7, 1190-1197.	1.6	123
154	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
155	Development of a Selective Activity-Based Probe for Adenylating Enzymes: Profiling MbtA Involved in Siderophore Biosynthesis from Mycobacterium tuberculosis. ACS Chemical Biology, 2012, 7, 1653-1658.	1.6	54
156	Discovery and development of SQ109: a new antitubercular drug with a novel mechanism of action. Future Microbiology, 2012, 7, 823-837.	1.0	248
157	Substrate specificity of the deazaflavinâ€dependent nitroreductase from Mycobacteriumâ€ftuberculosis responsible for the bioreductive activation of bicyclic nitroimidazoles. FEBS Journal, 2012, 279, 113-125.	2.2	70
158	Understanding latent tuberculosis: the key to improved diagnostic and novel treatment strategies. Drug Discovery Today, 2012, 17, 514-521.	3.2	87
159	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
160	Mycolic acids as diagnostic markers for tuberculosis case detection in humans and drug efficacy in mice. EMBO Molecular Medicine, 2012, 4, 27-37.	3.3	61
161	Mechanism-based Inactivation by Aromatization of the Transaminase BioA Involved in Biotin Biosynthesis in Mycobaterium tuberculosis. Journal of the American Chemical Society, 2011, 133, 18194-18201.	6.6	34
162	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

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