

# Stewart Thomas Cole

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94  
papers

8,489  
citations

47  
h-index

92  
g-index

104  
ext. papers

10,024  
ext. citations

9.7  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
94	Advances in the development of new tuberculosis drugs and treatment regimens. <i>Nature Reviews Drug Discovery</i> , <b>2013</b> , 12, 388-404	64.1	599
93	Loss of RD1 contributed to the attenuation of the live tuberculosis vaccines Mycobacterium bovis BCG and Mycobacterium microti. <i>Molecular Microbiology</i> , <b>2002</b> , 46, 709-17	4.1	546
92	Benzothiazinones kill Mycobacterium tuberculosis by blocking arabinan synthesis. <i>Science</i> , <b>2009</b> , 324, 801-4	33.3	524
91	Insights from the complete genome sequence of Mycobacterium marinum on the evolution of Mycobacterium tuberculosis. <i>Genome Research</i> , <b>2008</b> , 18, 729-41	9.7	389
90	On the origin of leprosy. <i>Science</i> , <b>2005</b> , 308, 1040-2	33.3	345
89	TubercuList--10 years after. <i>Tuberculosis</i> , <b>2011</b> , 91, 1-7	2.6	314
88	Comparative genomic and phylogeographic analysis of Mycobacterium leprae. <i>Nature Genetics</i> , <b>2009</b> , 41, 1282-9	36.3	293
87	Cross-resistance between clofazimine and bedaquiline through upregulation of MmpL5 in Mycobacterium tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 2979-81	5.9	271
86	Mycobacterium tuberculosis Differentially Activates cGAS- and Inflammasome-Dependent Intracellular Immune Responses through ESX-1. <i>Cell Host and Microbe</i> , <b>2015</b> , 17, 799-810	23.4	265
85	New antituberculosis drugs, regimens, and adjunct therapies: needs, advances, and future prospects. <i>Lancet Infectious Diseases, The</i> , <b>2014</b> , 14, 327-40	25.5	254
84	Dissection of ESAT-6 system 1 of Mycobacterium tuberculosis and impact on immunogenicity and virulence. <i>Infection and Immunity</i> , <b>2006</b> , 74, 88-98	3.7	244
83	Genome-wide comparison of medieval and modern Mycobacterium leprae. <i>Science</i> , <b>2013</b> , 341, 179-83	33.3	240
82	Towards a new combination therapy for tuberculosis with next generation benzothiazinones. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 372-83	12	231
81	Probable zoonotic leprosy in the southern United States. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 1626-33	59.2	218
80	High content screening identifies decaprenyl-phosphoribose 2Vepimerase as a target for intracellular antimycobacterial inhibitors. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000645	7.6	216
79	The MycoBrowser portal: a comprehensive and manually annotated resource for mycobacterial genomes. <i>Tuberculosis</i> , <b>2011</b> , 91, 8-13	2.6	202
78	Systematic genetic nomenclature for type VII secretion systems. <i>PLoS Pathogens</i> , <b>2009</b> , 5, e1000507	7.6	194

77	Benzothiazinones are suicide inhibitors of mycobacterial decaprenylphosphoryl- $\beta$ -D-ribofuranose 2-Oxidase DprE1. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 912-5	16.4	126
76	Structural basis for benzothiazinone-mediated killing of <i>Mycobacterium tuberculosis</i> . <i>Science Translational Medicine</i> , <b>2012</b> , 4, 150ra121	17.5	123
75	Bacterial artificial chromosome-based comparative genomic analysis identifies <i>Mycobacterium microti</i> as a natural ESAT-6 deletion mutant. <i>Infection and Immunity</i> , <b>2002</b> , 70, 5568-78	3.7	118
74	Functional analysis of early secreted antigenic target-6, the dominant T-cell antigen of <i>Mycobacterium tuberculosis</i> , reveals key residues involved in secretion, complex formation, virulence, and immunogenicity. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 33953-9	5.4	117
73	Lansoprazole is an antituberculous prodrug targeting cytochrome bc1. <i>Nature Communications</i> , <b>2015</b> , 6, 7659	17.4	109
72	Insight into the evolution and origin of leprosy bacilli from the genome sequence of <i>Mycobacterium lepromatosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 4459-64	11.5	99
71	Red squirrels in the British Isles are infected with leprosy bacilli. <i>Science</i> , <b>2016</b> , 354, 744-747	33.3	97
70	The PhoP-dependent ncRNA Mcr7 modulates the TAT secretion system in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004183	7.6	96
69	2-Carboxyquinoxalines kill mycobacterium tuberculosis through noncovalent inhibition of DprE1. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 705-14	4.9	95
68	Virulence regulator EspR of <i>Mycobacterium tuberculosis</i> is a nucleoid-associated protein. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002621	7.6	95
67	DprE1 Is a Vulnerable Tuberculosis Drug Target Due to Its Cell Wall Localization. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 1631-6	4.9	89
66	<i>Mycobacterium leprae</i> : genes, pseudogenes and genetic diversity. <i>Future Microbiology</i> , <b>2011</b> , 6, 57-71	2.9	88
65	Leads for antitubercular compounds from kinase inhibitor library screens. <i>Tuberculosis</i> , <b>2010</b> , 90, 354-60	2.6	79
64	Mode of Action of Clofazimine and Combination Therapy with Benzothiazinones against <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 4457-63	5.9	73
63	Streptomycin-starved <i>Mycobacterium tuberculosis</i> 18b, a drug discovery tool for latent tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 5782-9	5.9	71
62	Ancient genomes reveal a high diversity of <i>Mycobacterium leprae</i> in medieval Europe. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006997	7.6	70
61	The 8-Pyrrole-Benzothiazinones Are Noncovalent Inhibitors of DprE1 from <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 4446-52	5.9	70
60	Anticytolytic screen identifies inhibitors of mycobacterial virulence protein secretion. <i>Cell Host and Microbe</i> , <b>2014</b> , 16, 538-48	23.4	68

59	Zoonotic Leprosy in the Southeastern United States. <i>Emerging Infectious Diseases</i> , <b>2015</b> , 21, 2127-34	10.2	68
58	Development of a repressible mycobacterial promoter system based on two transcriptional repressors. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, e134	20.1	65
57	The Inosine Monophosphate Dehydrogenase, GuaB2, Is a Vulnerable New Bactericidal Drug Target for Tuberculosis. <i>ACS Infectious Diseases</i> , <b>2017</b> , 3, 5-17	5.5	62
56	Phylogenomics and antimicrobial resistance of the leprosy bacillus <i>Mycobacterium leprae</i> . <i>Nature Communications</i> , <b>2018</b> , 9, 352	17.4	61
55	Assessing the essentiality of the decaprenyl-phospho-d-arabinofuranose pathway in <i>Mycobacterium tuberculosis</i> using conditional mutants. <i>Molecular Microbiology</i> , <b>2014</b> , 92, 194-211	4.1	61
54	ESAT-6 secretion-independent impact of ESX-1 genes <i>espF</i> and <i>espG1</i> on virulence of <i>Mycobacterium tuberculosis</i> . <i>Journal of Infectious Diseases</i> , <b>2011</b> , 203, 1155-64	7	60
53	<i>EspD</i> is critical for the virulence-mediating ESX-1 secretion system in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 884-93	3.5	56
52	<i>EspC</i> forms a filamentous structure in the cell envelope of <i>Mycobacterium tuberculosis</i> and impacts ESX-1 secretion. <i>Molecular Microbiology</i> , <b>2017</b> , 103, 26-38	4.1	55
51	Thiophenecarboxamide Derivatives Activated by EthA Kill <i>Mycobacterium tuberculosis</i> by Inhibiting the CTP Synthetase <i>PyrG</i> . <i>Chemistry and Biology</i> , <b>2015</b> , 22, 917-27		51
50	<i>Mycobacterium tuberculosis EspB</i> binds phospholipids and mediates <i>EsxA</i> -independent virulence. <i>Molecular Microbiology</i> , <b>2013</b> , 89, 1154-66	4.1	51
49	Genome-wide regulon and crystal structure of <i>Blal</i> (Rv1846c) from <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , <b>2009</b> , 71, 1102-16	4.1	51
48	<i>Mycobacterium leprae</i> genomes from a British medieval leprosy hospital: towards understanding an ancient epidemic. <i>BMC Genomics</i> , <b>2014</b> , 15, 270	4.5	49
47	Evidence of zoonotic leprosy in Par�Brazilian Amazon, and risks associated with human contact or consumption of armadillos. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006532	4.8	45
46	In vitro and in vivo activities of three oxazolidinones against nonreplicating <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 3217-23	5.9	41
45	Arylvinylpiperazine Amides, a New Class of Potent Inhibitors Targeting <i>QcrB</i> of <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , <b>2018</b> , 9,	7.8	40
44	Phenotypic profiling of <i>Mycobacterium tuberculosis EspA</i> point mutants reveals that blockage of ESAT-6 and CFP-10 secretion in vitro does not always correlate with attenuation of virulence. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 5421-30	3.5	37
43	Inhibiting <i>Mycobacterium tuberculosis</i> within and without. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371,	5.8	35
42	Structure of <i>EspB</i> , a secreted substrate of the ESX-1 secretion system of <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural Biology</i> , <b>2015</b> , 191, 236-44	3.4	34

41	High-resolution transcriptome and genome-wide dynamics of RNA polymerase and NusA in <i>Mycobacterium tuberculosis</i> . <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 961-77	20.1	34
40	Comparative analysis of B- and T-cell epitopes of <i>Mycobacterium leprae</i> and <i>Mycobacterium tuberculosis</i> culture filtrate protein 10. <i>Infection and Immunity</i> , <b>2004</b> , 72, 3161-70	3.7	34
39	Structural studies of <i>Mycobacterium tuberculosis</i> DprE1 interacting with its inhibitors. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 526-533	8.8	32
38	Transcription facilitated genome-wide recruitment of topoisomerase I and DNA gyrase. <i>PLoS Genetics</i> , <b>2017</b> , 13, e1006754	6	31
37	Discovery of benzothiazoles as antimycobacterial agents: Synthesis, structure-activity relationships and binding studies with <i>Mycobacterium tuberculosis</i> decaprenylphosphoryl-ED-ribose 2 $\beta$ oxidase. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 7694-710	3.4	26
36	Comprehensive proteome analysis of <i>Mycobacterium ulcerans</i> and quantitative comparison of mycolactone biosynthesis. <i>Proteomics</i> , <b>2008</b> , 8, 3124-38	4.8	26
35	Characterization of DprE1-Mediated Benzothiazinone Resistance in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 6451-6459	5.9	25
34	Structure-Based Drug Design and Characterization of Sulfonyl-Piperazine Benzothiazinone Inhibitors of DprE1 from <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2018</b> , 62,	5.9	24
33	Optimized Background Regimen for Treatment of Active Tuberculosis with the Next-Generation Benzothiazinone Macozinone (PBTZ169). <i>Antimicrobial Agents and Chemotherapy</i> , <b>2018</b> , 62,	5.9	24
32	Database resources for the tuberculosis community. <i>Tuberculosis</i> , <b>2013</b> , 93, 12-7	2.6	23
31	Whole genome sequencing distinguishes between relapse and reinfection in recurrent leprosy cases. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005598	4.8	21
30	EspL is essential for virulence and stabilizes EspE, EspF and EspH levels in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1007491	7.6	21
29	New 2-Ethylthio-4-methylaminoquinazoline derivatives inhibiting two subunits of cytochrome bc1 in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008270	7.6	20
28	Transmission of Drug-Resistant Leprosy in Guinea-Conakry Detected Using Molecular Epidemiological Approaches. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 63, 1482-1484	11.6	20
27	GtrA Protein Rv3789 Is Required for Arabinosylation of Arabinogalactan in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , <b>2015</b> , 197, 3686-97	3.5	19
26	EspI regulates the ESX-1 secretion system in response to ATP levels in <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , <b>2014</b> , 93, 1057-1065	4.1	19
25	Genomic and transcriptomic analysis of the streptomycin-dependent <i>Mycobacterium tuberculosis</i> strain 18b. <i>BMC Genomics</i> , <b>2016</b> , 17, 190	4.5	16
24	Genomic Characterization of to Explore Transmission Patterns Identifies New Subtype in Bangladesh. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1220	5.7	13

23	Essential Nucleoid Associated Protein mIHF (Rv1388) Controls Virulence and Housekeeping Genes in Mycobacterium tuberculosis. <i>Scientific Reports</i> , <b>2018</b> , 8, 14214	4.9	12
22	Insights from the Genome Sequence of : Massive Gene Decay and Reductive Evolution. <i>MBio</i> , <b>2017</b> , 8,	7.8	11
21	Promoter mutagenesis for fine-tuning expression of essential genes in Mycobacterium tuberculosis. <i>Microbial Biotechnology</i> , <b>2018</b> , 11, 238-247	6.3	10
20	Synthesis of diphenoxyadamantane alkylamines with pharmacological interest. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2019</b> , 29, 1278-1281	2.9	7
19	Population Genomics of Reveals a New Genotype in Madagascar and the Comoros. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 711	5.7	7
18	Leprosy in wild chimpanzees. <i>Nature</i> , <b>2021</b> , 598, 652-656	5.4	7
17	Leprosy in wild chimpanzees		7
16	High resolution CryoEM structure of the ring-shaped virulence factor EspB from. <i>Journal of Structural Biology: X</i> , <b>2020</b> , 4, 100029	2.9	6
15	Rv3852 (H-NS) of Mycobacterium tuberculosis Is Not Involved in Nucleoid Compaction and Virulence Regulation. <i>Journal of Bacteriology</i> , <b>2017</b> , 199,	3.5	5
14	Polarly Localized EccE Is Required for ESX-1 Function and Stabilization of ESX-1 Membrane Proteins in Mycobacterium tuberculosis. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,	3.5	5
13	Emergence of Mycobacterium leprae Rifampin Resistance Evaluated by Whole-Genome Sequencing after 48 Years of Irregular Treatment. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	4
12	A new paradigm for leprosy diagnosis based on host gene expression. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009975	5.5	4
11	Detection of new Mycobacterium leprae subtype in Bangladesh by genomic characterization to explore transmission patterns		4
10	Comparison of target enrichment strategies for ancient pathogen DNA. <i>BioTechniques</i> , <b>2020</b> , 69, 455-459.	5.5	3
9	Synthesis, biology, computational studies and in vitro controlled release of new isoniazid-based adamantane derivatives. <i>Future Medicinal Chemistry</i> , <b>2019</b> , 11, 2779-2802	4.1	3
8	6,11-Dioxobenzo[ <i>b</i> ]pyrido[1,2- <i>d</i> ]indoles Kill by Targeting Iron-Sulfur Protein Rv0338c (IspQ), A Putative Redox Sensor. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 3015-3025	5.5	3
7	Monitoring Tuberculosis Drug Activity in Live Animals by Near-Infrared Fluorescence Imaging. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> ,	5.9	1
6	FasR regulates fatty acid biosynthesis and is essential for virulence of Mycobacterium tuberculosis		1

5	Structural and DNA binding properties of mycobacterial integration host factor mIHF. <i>Journal of Structural Biology</i> , <b>2020</b> , 209, 107434	3.4	1
4	FasR Regulates Fatty Acid Biosynthesis and Is Essential for Virulence of. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 586285	5.7	1
3	Mycobacterium leprae diversity and population dynamics in medieval Europe from novel ancient genomes. <i>BMC Biology</i> , <b>2021</b> , 19, 220	7.3	0
2	Mycobacterium tuberculosis EspK Has Active but Distinct Roles in the Secretion of EsxA and EspB.. <i>Journal of Bacteriology</i> , <b>2022</b> , e0006022	3.5	0
1	Design, Synthesis and in vitro Controlled Release of New Adamantanodiarylketone Antimycobacterials. <i>ChemistrySelect</i> , <b>2019</b> , 4, 11048-11051	1.8	