

Stewart Thomas Cole

List of Publications by Year in descending order

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96
papers

11,040
citations

41258

49
h-index

40881

93
g-index

104
all docs

104
docs citations

104
times ranked

9524
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the development of new tuberculosis drugs and treatment regimens. <i>Nature Reviews Drug Discovery</i> , 2013, 12, 388-404.	21.5	726
2	Benzothiazinones Kill <i>Mycobacterium tuberculosis</i> by Blocking Arabinan Synthesis. <i>Science</i> , 2009, 324, 801-804.	6.0	660
3	Loss of RD1 contributed to the attenuation of the live tuberculosis vaccines <i>Mycobacterium bovis</i> BCG and <i>Mycobacterium microti</i> . <i>Molecular Microbiology</i> , 2002, 46, 709-717.	1.2	645
4	Insights from the complete genome sequence of <i>Mycobacterium marinum</i> on the evolution of <i>Mycobacterium tuberculosis</i> . <i>Genome Research</i> , 2008, 18, 729-741.	2.4	471
5	On the Origin of Leprosy. <i>Science</i> , 2005, 308, 1040-1042.	6.0	441
6	TubercuList “10 years after. <i>Tuberculosis</i> , 2011, 91, 1-7.	0.8	387
7	Cross-Resistance between Clofazimine and Bedaquiline through Upregulation of MmpL5 in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2979-2981.	1.4	376
8	Comparative genomic and phylogeographic analysis of <i>Mycobacterium leprae</i> . <i>Nature Genetics</i> , 2009, 41, 1282-1289.	9.4	360
9	The MycoBrowser portal: A comprehensive and manually annotated resource for mycobacterial genomes. <i>Tuberculosis</i> , 2011, 91, 8-13.	0.8	355
10	<i>Mycobacterium tuberculosis</i> Differentially Activates cGAS- and Inflammasome-Dependent Intracellular Immune Responses through ESX-1. <i>Cell Host and Microbe</i> , 2015, 17, 799-810.	5.1	341
11	Genome-Wide Comparison of Medieval and Modern <i>Mycobacterium leprae</i> . <i>Science</i> , 2013, 341, 179-183.	6.0	313
12	Towards a new combination therapy for tuberculosis with next generation benzothiazinones. <i>EMBO Molecular Medicine</i> , 2014, 6, 372-383.	3.3	311
13	New antituberculosis drugs, regimens, and adjunct therapies: needs, advances, and future prospects. <i>Lancet Infectious Diseases</i> , The, 2014, 14, 327-340.	4.6	302
14	Probable Zoonotic Leprosy in the Southern United States. <i>New England Journal of Medicine</i> , 2011, 364, 1626-1633.	13.9	296
15	High Content Screening Identifies Decaprenyl-Phosphoribose 2-Epimerase as a Target for Intracellular Antimycobacterial Inhibitors. <i>PLoS Pathogens</i> , 2009, 5, e1000645.	2.1	281
16	Dissection of ESAT-6 System 1 of <i>Mycobacterium tuberculosis</i> and Impact on Immunogenicity and Virulence. <i>Infection and Immunity</i> , 2006, 74, 88-98.	1.0	279
17	Systematic Genetic Nomenclature for Type VII Secretion Systems. <i>PLoS Pathogens</i> , 2009, 5, e1000507.	2.1	233
18	Structural Basis for Benzothiazinone-Mediated Killing of <i>Mycobacterium tuberculosis</i> . <i>Science Translational Medicine</i> , 2012, 4, 150ra121.	5.8	159

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19	Benzothiazinones Are Suicide Inhibitors of Mycobacterial Decaprenylphosphoryl- β -D-ribofuranose 2-Oxidase DprE1. <i>Journal of the American Chemical Society</i> , 2012, 134, 912-915.	6.6	155
20	Bacterial Artificial Chromosome-Based Comparative Genomic Analysis Identifies <i>Mycobacterium microti</i> as a Natural ESAT-6 Deletion Mutant. <i>Infection and Immunity</i> , 2002, 70, 5568-5578.	1.0	152
21	Lansoprazole is an antituberculous prodrug targeting cytochrome bc1. <i>Nature Communications</i> , 2015, 6, 7659.	5.8	141
22	Red squirrels in the British Isles are infected with leprosy bacilli. <i>Science</i> , 2016, 354, 744-747.	6.0	138
23	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> , 2015, 112, 4459-4464.	3.3	134
24	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> , 2005, 280, 33953-33959.	1.6	133
25	The PhoP-Dependent ncRNA Mcr7 Modulates the TAT Secretion System in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004183.	2.1	127
26	DprE1 Is a Vulnerable Tuberculosis Drug Target Due to Its Cell Wall Localization. <i>ACS Chemical Biology</i> , 2015, 10, 1631-1636.	1.6	123
27	2-Carboxyquinoxalines Kill <i>Mycobacterium tuberculosis</i> through Noncovalent Inhibition of DprE1. <i>ACS Chemical Biology</i> , 2015, 10, 705-714.	1.6	116
28	Virulence Regulator EspR of <i>Mycobacterium tuberculosis</i> Is a Nucleoid-Associated Protein. <i>PLoS Pathogens</i> , 2012, 8, e1002621.	2.1	115
29	<i>Mycobacterium leprae</i> : genes, pseudogenes and genetic diversity. <i>Future Microbiology</i> , 2011, 6, 57-71.	1.0	106
30	Mode of Action of Clofazimine and Combination Therapy with Benzothiazinones against <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4457-4463.	1.4	105
31	Zoonotic Leprosy in the Southeastern United States. <i>Emerging Infectious Diseases</i> , 2015, 21, 2127-34.	2.0	100
32	Ancient genomes reveal a high diversity of <i>Mycobacterium leprae</i> in medieval Europe. <i>PLoS Pathogens</i> , 2018, 14, e1006997.	2.1	98
33	Phylogenomics and antimicrobial resistance of the leprosy bacillus <i>Mycobacterium leprae</i> . <i>Nature Communications</i> , 2018, 9, 352.	5.8	95
34	Leads for antitubercular compounds from kinase inhibitor library screens. <i>Tuberculosis</i> , 2010, 90, 354-360.	0.8	92
35	Streptomycin-Starved <i>Mycobacterium tuberculosis</i> 18b, a Drug Discovery Tool for Latent Tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 5782-5789.	1.4	88
36	The 8-Pyrrole-Benzothiazinones Are Noncovalent Inhibitors of DprE1 from <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4446-4452.	1.4	85

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37	Anticytolytic Screen Identifies Inhibitors of Mycobacterial Virulence Protein Secretion. <i>Cell Host and Microbe</i> , 2014, 16, 538-548.	5.1	83
38	The Inosine Monophosphate Dehydrogenase, GuaB2, Is a Vulnerable New Bactericidal Drug Target for Tuberculosis. <i>ACS Infectious Diseases</i> , 2017, 3, 5-17.	1.8	83
39	<i>E</i> C forms a filamentous structure in the cell envelope of <i>Mycobacterium tuberculosis</i> and impacts ESX1 secretion. <i>Molecular Microbiology</i> , 2017, 103, 26-38.	1.2	77
40	Assessing the essentiality of the decaprenylphospho- <i>d</i> -arabinofuranose pathway in <i>Mycobacterium tuberculosis</i> using conditional mutants. <i>Molecular Microbiology</i> , 2014, 92, 194-211.	1.2	76
41	Development of a repressible mycobacterial promoter system based on two transcriptional repressors. <i>Nucleic Acids Research</i> , 2010, 38, e134-e134.	6.5	74
42	Thiophenecarboxamide Derivatives Activated by EthA Kill <i>Mycobacterium tuberculosis</i> by Inhibiting the CTP Synthetase PyrG. <i>Chemistry and Biology</i> , 2015, 22, 917-927.	6.2	72
43	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> , 2011, 203, 1155-1164.	1.9	66
44	EspD Is Critical for the Virulence-Mediating ESX-1 Secretion System in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 884-893.	1.0	66
45	<i>Mycobacterium tuberculosis</i> ... <i>EspB</i> binds phospholipids and mediates <i>EsxA</i> -independent virulence. <i>Molecular Microbiology</i> , 2013, 89, 1154-1166.	1.2	65
46	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.	1.3	65
47	Genome-wide regulon and crystal structure of Blal (Rv1846c) from <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2009, 71, 1102-1116.	1.2	61
48	<i>Mycobacterium leprae</i> genomes from a British medieval leprosy hospital: towards understanding an ancient epidemic. <i>BMC Genomics</i> , 2014, 15, 270.	1.2	60
49	Transcription facilitated genome-wide recruitment of topoisomerase I and DNA gyrase. <i>PLoS Genetics</i> , 2017, 13, e1006754.	1.5	56
50	Structural studies of <i>Mycobacterium tuberculosis</i> DprE1 interacting with its inhibitors. <i>Drug Discovery Today</i> , 2017, 22, 526-533.	3.2	55
51	In Vitro and In Vivo Activities of Three Oxazolidinones against Nonreplicating <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 3217-3223.	1.4	53
52	Inhibiting <i>Mycobacterium tuberculosis</i> within and without. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150506.	1.8	52
53	Arylvinylpiperazine Amides, a New Class of Potent Inhibitors Targeting QcrB of <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2018, 9, .	1.8	52
54	Structure of EspB, a secreted substrate of the ESX-1 secretion system of <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural Biology</i> , 2015, 191, 236-244.	1.3	51

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55	Structure-Based Drug Design and Characterization of Sulfonyl-Piperazine Benzothiazinone Inhibitors of DprE1 from <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	49
56	Optimized Background Regimen for Treatment of Active Tuberculosis with the Next-Generation Benzothiazinone Macozinone (PBTZ169). <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	48
57	Phenotypic Profiling of <i>Mycobacterium tuberculosis</i> EspA Point Mutants Reveals that Blockage of ESAT-6 and CFP-10 Secretion <i>In Vitro</i> Does Not Always Correlate with Attenuation of Virulence. <i>Journal of Bacteriology</i> , 2013, 195, 5421-5430.	1.0	47
58	Discovery of benzothiazoles as antimycobacterial agents: Synthesis, structure-activity relationships and binding studies with <i>Mycobacterium tuberculosis</i> decaprenylphosphoryl- β -D-ribose 2-oxidase. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7694-7710.	1.4	44
59	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> , 2004, 72, 3161-3170.	1.0	41
60	High-resolution transcriptome and genome-wide dynamics of RNA polymerase and NusA in <i>Mycobacterium tuberculosis</i> . <i>Nucleic Acids Research</i> , 2013, 41, 961-977.	6.5	41
61	New 2-Ethylthio-4-methylaminoquinazoline derivatives inhibiting two subunits of cytochrome bc1 in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2020, 16, e1008270.	2.1	38
62	Characterization of DprE1-Mediated Benzothiazinone Resistance in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6451-6459.	1.4	36
63	Whole genome sequencing distinguishes between relapse and reinfection in recurrent leprosy cases. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005598.	1.3	35
64	EspL is essential for virulence and stabilizes EspE, EspF and EspH levels in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007491.	2.1	33
65	Leprosy in wild chimpanzees. <i>Nature</i> , 2021, 598, 652-656.	13.7	30
66	Database resources for the tuberculosis community. <i>Tuberculosis</i> , 2013, 93, 12-17.	0.8	27
67	<i>EspL</i> regulates the <i>ESX-1</i> secretion system in response to <i>ATP</i> levels in <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2014, 93, 1057-1065.	1.2	27
68	Comprehensive proteome analysis of <i>Mycobacterium ulcerans</i> and quantitative comparison of mycolactone biosynthesis. <i>Proteomics</i> , 2008, 8, 3124-3138.	1.3	26
69	CtrA Protein Rv3789 Is Required for Arabinosylation of Arabinogalactan in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 2015, 197, 3686-3697.	1.0	26
70	Transmission of Drug-Resistant Leprosy in Guinea-Conakry Detected Using Molecular Epidemiological Approaches: Table 1.. <i>Clinical Infectious Diseases</i> , 2016, 63, 1482-1484.	2.9	25
71	Genomic Characterization of <i>Mycobacterium leprae</i> to Explore Transmission Patterns Identifies New Subtype in Bangladesh. <i>Frontiers in Microbiology</i> , 2020, 11, 1220.	1.5	20
72	Essential Nucleoid Associated Protein mlHF (Rv1388) Controls Virulence and Housekeeping Genes in <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2018, 8, 14214.	1.6	19

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73	Genomic and transcriptomic analysis of the streptomycin-dependent <i>Mycobacterium tuberculosis</i> strain 18b. <i>BMC Genomics</i> , 2016, 17, 190.	1.2	18
74	High resolution CryoEM structure of the ring-shaped virulence factor EspB from <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural Biology: X</i> , 2020, 4, 100029.	0.7	17
75	Comparison of target enrichment strategies for ancient pathogen DNA. <i>BioTechniques</i> , 2020, 69, 455-459.	0.8	17
76	Insights from the Genome Sequence of <i>Mycobacterium lepraemurium</i> : Massive Gene Decay and Reductive Evolution. <i>MBio</i> , 2017, 8, .	1.8	16
77	Population Genomics of <i>Mycobacterium leprae</i> Reveals a New Genotype in Madagascar and the Comoros. <i>Frontiers in Microbiology</i> , 2020, 11, 711.	1.5	15
78	<i>Mycobacterium leprae</i> diversity and population dynamics in medieval Europe from novel ancient genomes. <i>BMC Biology</i> , 2021, 19, 220.	1.7	14
79	Promoter mutagenesis for fine-tuning expression of essential genes in <i>Mycobacterium tuberculosis</i> . <i>Microbial Biotechnology</i> , 2018, 11, 238-247.	2.0	13
80	Tuberculosis drug discovery needs public-private consortia. <i>Drug Discovery Today</i> , 2017, 22, 477-478.	3.2	12
81	A new paradigm for leprosy diagnosis based on host gene expression. <i>PLoS Pathogens</i> , 2021, 17, e1009972.	2.1	11
82	<i>Mycobacterium tuberculosis</i> EspK Has Active but Distinct Roles in the Secretion of EsxA and EspB. <i>Journal of Bacteriology</i> , 2022, 204, e0006022.	1.0	10
83	Rv3852 (H-NS) of <i>Mycobacterium tuberculosis</i> Is Not Involved in Nucleoid Compaction and Virulence Regulation. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	9
84	Synthesis of diphenoxyadamantane alkylamines with pharmacological interest. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1278-1281.	1.0	9
85	6,11-Dioxobenzo[<i>f</i>]pyrido[1,2- <i>a</i>]indoles Kill <i>Mycobacterium tuberculosis</i> by Targeting Iron-Sulfur Protein Rv0338c (IspQ), A Putative Redox Sensor. <i>ACS Infectious Diseases</i> , 2020, 6, 3015-3025.	1.8	9
86	Emergence of <i>Mycobacterium leprae</i> Rifampin Resistance Evaluated by Whole-Genome Sequencing after 48 Years of Irregular Treatment. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	7
87	Polarly Localized EccE ₁ Is Required for ESX-1 Function and Stabilization of ESX-1 Membrane Proteins in <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	7
88	Synthesis, biology, computational studies and <i>in vitro</i> controlled release of new isoniazid-based adamantane derivatives. <i>Future Medicinal Chemistry</i> , 2019, 11, 2779-2802.	1.1	4
89	Structural and DNA binding properties of mycobacterial integration host factor mIHF. <i>Journal of Structural Biology</i> , 2020, 209, 107434.	1.3	3
90	Advanced Quantification Methods To Improve the 18b Dormancy Model for Assessing the Activity of Tuberculosis Drugs <i>In Vitro</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	3

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91	Monitoring Tuberculosis Drug Activity in Live Animals by Using Near-Infrared Fluorescence Imaging. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	2
92	From functional genomics to systems (micro)biology. Current Opinion in Microbiology, 2009, 12, 528-530.	2.3	1
93	FasR Regulates Fatty Acid Biosynthesis and Is Essential for Virulence of Mycobacterium tuberculosis. Frontiers in Microbiology, 2020, 11, 586285.	1.5	1
94	Celebrating 130 years of achievement by the Institut Pasteur. Microbes and Infection, 2019, 21, 189.	1.0	0
95	Design, Synthesis and in vitro Controlled Release of New Adamantanodiarylketone Antimycobacterials. ChemistrySelect, 2019, 4, 11048-11051.	0.7	0
96	Celebrating 130 years of achievement by the Institut Pasteur. Genes and Immunity, 2019, 20, 341-341.	2.2	0