

Gregory M Cook

List of Publications by Year in descending order

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Version: 2024-02-01

170
papers

6,224
citations

66343

42
h-index

91884

69
g-index

185
all docs

185
docs citations

185
times ranked

5992
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplexed transcriptional repression identifies a network of bactericidal interactions between mycobacterial respiratory complexes. <i>IScience</i> , 2022, 25, 103573.	4.1	10
2	An amiloride derivative is active against the F1Fo-ATP synthase and cytochrome bd oxidase of <i>Mycobacterium tuberculosis</i> . <i>Communications Biology</i> , 2022, 5, 166.	4.4	21
3	Deciphering functional redundancy and energetics of malate oxidation in mycobacteria. <i>Journal of Biological Chemistry</i> , 2022, 298, 101859.	3.4	10
4	Potent Bactericidal Antimycobacterials Targeting the Chaperone ClpC1 Based on the Depsipeptide Natural Products Ecumicin and Ohmyungsamycin A. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 4893-4908.	6.4	9
5	Stereochemical Effects on the Antimicrobial Properties of Tetrasubstituted 2,5-Diketopiperazines. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 632-640.	2.8	5
6	Rate-limiting transport of positively charged arginine residues through the Sec-machinery is integral to the mechanism of protein secretion. <i>ELife</i> , 2022, 11, .	6.0	13
7	Antimicrobial tolerance and its role in the development of resistance: Lessons from enterococci. <i>Advances in Microbial Physiology</i> , 2022, , .	2.4	3
8	C-2 derivatized 8-sulfonamidoquinolines as antibacterial compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 29, 115837.	3.0	2
9	Synthesis and Biological Evaluation of (âˆ“) and (+)â€špiroleucettadine and Analogues. <i>ChemMedChem</i> , 2021, 16, 1308-1315.	3.2	1
10	<i>Mycobacterium smegmatis</i> Resists the Bactericidal Activity of Hypochlorous Acid Produced in Neutrophil Phagosomes. <i>Journal of Immunology</i> , 2021, 206, 1901-1912.	0.8	8
11	Growth on Formic Acid Is Dependent on Intracellular pH Homeostasis for the Thermoacidophilic Methanotroph <i>Methylophilum sp. RTK17.1</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 651744.	3.5	12
12	Systematic evaluation of structureâ€“property relationships and pharmacokinetics in 6-(hetero)aryl-substituted matched pair analogs of amiloride and 5-(N,N-hexamethylene)amiloride. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 37, 116116.	3.0	9
13	Using genome comparisons of wild-type and resistant mutants of <i>Methanococcus maripaludis</i> to help understand mechanisms of resistance to methane inhibitors. <i>Access Microbiology</i> , 2021, 3, 000244.	0.5	1
14	Disruption of Metallostasis in the Anaerobic Human Pathogen <i>Fusobacterium nucleatum</i> by the Zinc Ionophore PBT2. <i>ACS Infectious Diseases</i> , 2021, 7, 2285-2298.	3.8	6
15	CRISPR interference identifies vulnerable cellular pathways with bactericidal phenotypes in <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2021, 116, 1033-1043.	2.5	17
16	A Concise Synthetic Strategy Towards the Novel Calcium-dependent Lipopeptide Antibiotic, Malacidin A and Analogues. <i>Frontiers in Chemistry</i> , 2021, 9, 687875.	3.6	6
17	Nitric Oxide-Dependent Electron Transport Chain Inhibition by the Cytochrome <i>bc₁</i> Inhibitor and Pretomanid Combination Kills <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0095621.	3.2	9
18	The cryo-EM structure of the bd oxidase from <i>M. tuberculosis</i> reveals a unique structural framework and enables rational drug design to combat TB. <i>Nature Communications</i> , 2021, 12, 5236.	12.8	29

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19	Discovery of 5-methylpyrimidopyridone analogues as selective antimycobacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 49, 116426.	3.0	1
20	Sterilizing Effects of Novel Regimens Containing TB47, Clofazimine, and Linezolid in a Murine Model of Tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0070621.	3.2	10
21	Dual inhibition of the terminal oxidases eradicates antibiotic-tolerant <i>Mycobacterium tuberculosis</i> . <i>EMBO Molecular Medicine</i> , 2021, 13, e13207.	6.9	47
22	Genomic Profiling of <i>Mycobacterium tuberculosis</i> Strains, Myanmar. <i>Emerging Infectious Diseases</i> , 2021, 27, 2847-2855.	4.3	8
23	Functionalized Dioxonaphthoimidazoliums: A Redox Cycling Chemotype with Potent Bactericidal Activities against <i>Mycobacterium tuberculosis</i> . <i>Journal of Medicinal Chemistry</i> , 2021, 64, 15991-16007.	6.4	10
24	Utilization of CRISPR interference to investigate the contribution of genes to pathogenesis in a macrophage model of <i>Mycobacterium tuberculosis</i> infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, , .	3.0	9
25	Synthetic Sansanmycin Analogues as Potent <i>Mycobacterium tuberculosis</i> Translocase I Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17326-17345.	6.4	8
26	Two for the price of one: Attacking the energetic-metabolic hub of mycobacteria to produce new chemotherapeutic agents. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 152, 35-44.	2.9	22
27	Unprecedented Properties of Phenothiazines Unraveled by a NDH-2 Bioelectrochemical Assay Platform. <i>Journal of the American Chemical Society</i> , 2020, 142, 1311-1320.	13.7	18
28	Genomic analysis of <i>Caldalkalibacillus thermarum</i> TA2.A1 reveals aerobic alkaliphilic metabolism and evolutionary hallmarks linking alkaliphilic bacteria and plant life. <i>Extremophiles</i> , 2020, 24, 923-935.	2.3	10
29	Repurposing a neurodegenerative disease drug to treat Gram-negative antibiotic-resistant bacterial sepsis. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	36
30	Microbial energy management—A product of three broad tradeoffs. <i>Advances in Microbial Physiology</i> , 2020, 77, 139-185.	2.4	12
31	MmpL3 inhibitors as antituberculosis drugs. <i>European Journal of Medicinal Chemistry</i> , 2020, 200, 112390.	5.5	31
32	Transcriptional Inhibition of the F ₁ F ₀ -Type ATP Synthase Has Bactericidal Consequences on the Viability of Mycobacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	17
33	Synthesis of paenipeptin C ² analogues employing solution-phase CLipPA chemistry. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4381-4385.	2.8	7
34	Total Synthesis and Antimycobacterial Activity of Ohmyungsamycin A, Deoxyecumicin, and Ecumicin. <i>Chemistry - A European Journal</i> , 2020, 26, 15200-15205.	3.3	8
35	Clicking on lipids to generate antibacterial lipopeptides. <i>Chemical Science</i> , 2020, 11, 5759-5765.	7.4	15
36	Antitubercular polyhalogenated phenothiazines and phenoselenazine with reduced binding to CNS receptors. <i>European Journal of Medicinal Chemistry</i> , 2020, 201, 112420.	5.5	12

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37	Multiple Bactericidal Mechanisms of the Zinc Ionophore PBT2. <i>MSphere</i> , 2020, 5, .	2.9	24
38	Discovery of a Natural Product That Binds to the Mycobacterium tuberculosis Protein Rv1466 Using Native Mass Spectrometry. <i>Molecules</i> , 2020, 25, 2384.	3.8	18
39	Cellular and Structural Basis of Synthesis of the Unique Intermediate Dehydro-F ⁴²⁰ -O in Mycobacteria. <i>MSystems</i> , 2020, 5, .	3.8	9
40	Predicting nitroimidazole antibiotic resistance mutations in Mycobacterium tuberculosis with protein engineering. <i>PLoS Pathogens</i> , 2020, 16, e1008287.	4.7	51
41	Antituberculosis Activity of the Antimalaria Cytochrome <i>bcc</i> Oxidase Inhibitor SCR0911. <i>ACS Infectious Diseases</i> , 2020, 6, 725-737.	3.8	10
42	Discovery of Cephalosporin-3- ² -Diazoniumdiolates That Show Dual Antibacterial and Antibiofilm Effects against <i>Pseudomonas aeruginosa</i> Clinical Cystic Fibrosis Isolates and Efficacy in a Murine Respiratory Infection Model. <i>ACS Infectious Diseases</i> , 2020, 6, 1460-1479.	3.8	18
43	Synthesis of Functionalised Chromonyl- ϵ -pyrimidines and Their Potential as Antimycobacterial Agents. <i>ChemistrySelect</i> , 2020, 5, 4347-4355.	1.5	5
44	Substituted sulfonamide bioisosteres of 8-hydroxyquinoline as zinc-dependent antibacterial compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127110.	2.2	6
45	Predicting nitroimidazole antibiotic resistance mutations in Mycobacterium tuberculosis with protein engineering. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
46	Title is missing!. , 2020, 16, e1008287.		0
47	Title is missing!. , 2020, 16, e1008287.		0
48	Title is missing!. , 2020, 16, e1008287.		0
49	Title is missing!. , 2020, 16, e1008287.		0
50	Diverse hydrogen production and consumption pathways influence methane production in ruminants. <i>ISME Journal</i> , 2019, 13, 2617-2632.	9.8	132
51	Two uptake hydrogenases differentially interact with the aerobic respiratory chain during mycobacterial growth and persistence. <i>Journal of Biological Chemistry</i> , 2019, 294, 18980-18991.	3.4	28
52	6-Substituted amiloride derivatives as inhibitors of the urokinase-type plasminogen activator for use in metastatic disease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126753.	2.2	21
53	Disrupting coupling within mycobacterial F-ATP synthases subunit $\hat{\mu}$ causes dysregulated energy production and cell wall biosynthesis. <i>Scientific Reports</i> , 2019, 9, 16759.	3.3	29
54	Derailing the aspartate pathway of Mycobacterium tuberculosis to eradicate persistent infection. <i>Nature Communications</i> , 2019, 10, 4215.	12.8	48

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55	Microtiter Screening Reveals Oxygen-Dependent Antimicrobial Activity of Natural Products Against Mastitis-Causing Bacteria. <i>Frontiers in Microbiology</i> , 2019, 10, 1995.	3.5	2
56	Inhalable Dry Powder of Bedaquiline for Pulmonary Tuberculosis: In Vitro Physicochemical Characterization, Antimicrobial Activity and Safety Studies. <i>Pharmaceutics</i> , 2019, 11, 502.	4.5	24
57	Tackling tuberculosis in the indigenous people of New Zealand. <i>Lancet Public Health</i> , The, 2019, 4, e496.	10.0	5
58	Alternate quinone coupling in a new class of succinate dehydrogenase may potentiate mycobacterial respiratory control. <i>FEBS Letters</i> , 2019, 593, 475-486.	2.8	17
59	Synthesis and Investigation of Phthalazinones as Antitubercular Agents. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1278-1285.	3.3	9
60	The structure of the catalytic domain of the ATP synthase from <i>Mycobacterium smegmatis</i> is a target for developing antitubercular drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4206-4211.	7.1	38
61	Structure of F ₁ -ATPase from the obligate anaerobe <i>Fusobacterium nucleatum</i> . <i>Open Biology</i> , 2019, 9, 190066.	3.6	3
62	The synthesis and evaluation of quinolinequinones as anti-mycobacterial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3532-3545.	3.0	19
63	Utilization of CRISPR Interference To Validate MmpL3 as a Drug Target in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	37
64	Genomewide Profiling of the <i>Enterococcus faecalis</i> Transcriptional Response to Teixobactin Reveals CroRS as an Essential Regulator of Antimicrobial Tolerance. <i>MSphere</i> , 2019, 4, .	2.9	8
65	Agricultural Origins of a Highly Persistent Lineage of Vancomycin-Resistant <i>Enterococcus faecalis</i> in New Zealand. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	11
66	Dispersal of <i>Mycobacterium tuberculosis</i> Driven by Historical European Trade in the South Pacific. <i>Frontiers in Microbiology</i> , 2019, 10, 2778.	3.5	28
67	Occurrence and expression of genes encoding methyl-compound production in rumen bacteria. <i>Animal Microbiome</i> , 2019, 1, 15.	3.8	27
68	FAD-sequestering proteins protect mycobacteria against hypoxic and oxidative stress. <i>Journal of Biological Chemistry</i> , 2019, 294, 2903-5814.	3.4	14
69	Pyrazolo[1,5- <i>a</i>]pyridine Inhibitor of the Respiratory Cytochrome <i>bcc</i> Complex for the Treatment of Drug-Resistant Tuberculosis. <i>ACS Infectious Diseases</i> , 2019, 5, 239-249.	3.8	74
70	Functional characterization of BcrR: a one-component transmembrane signal transduction system for bacitracin resistance. <i>Microbiology (United Kingdom)</i> , 2019, 165, 475-487.	1.8	7
71	Complete Genome Sequence of a New Zealand Isolate of the Bovine Pathogen <i>Streptococcus uberis</i> . <i>Genome Announcements</i> , 2018, 6, .	0.8	3
72	Structure of the NDH-2 H^+ QNO inhibited complex provides molecular insight into quinone-binding site inhibitors. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 482-490.	1.0	20

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73	Total Synthesis and Conformational Study of Callyaerinâ€¦A: Antiâ€¦Tubercular Cyclic Peptide Bearing a Rare Rigidifying (<i>Z</i>)-â€¦,3â€¦-Diaminoacrylamide Moiety. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3631-3635.	13.8	24
74	Total Synthesis and Conformational Study of Callyaerinâ€¦A: Antiâ€¦Tubercular Cyclic Peptide Bearing a Rare Rigidifying (<i>Z</i>)-â€¦,3â€¦-Diaminoacrylamide Moiety. <i>Angewandte Chemie</i> , 2018, 130, 3693-3697.	2.0	9
75	InnenrÃ¼cktitelbild: Total Synthesis and Conformational Study of Callyaerinâ€¦A: Antiâ€¦Tubercular Cyclic Peptide Bearing a Rare Rigidifying (<i>Z</i>)-â€¦,3â€¦-Diaminoacrylamide Moiety (<i>Angew. Chem.</i> 14/2018). <i>Angewandte Chemie</i> , 2018, 130, 3897-3897.	2.0	0
76	Association between anti-tuberculosis drug resistance-conferring mutations and treatment outcomes in Myanmar. <i>Infectious Diseases</i> , 2018, 50, 388-390.	2.8	1
77	Targeting bacterial energetics to produce new antimicrobials. <i>Drug Resistance Updates</i> , 2018, 36, 1-12.	14.4	72
78	Overexpression of a newly identified dâ€¦amino acid transaminase in <i>Mycobacterium smegmatis</i> complements glutamate racemase deletion. <i>Molecular Microbiology</i> , 2018, 107, 198-213.	2.5	33
79	Chemical Synergy between Ionophore PBT2 and Zinc Reverses Antibiotic Resistance. <i>MBio</i> , 2018, 9, .	4.1	56
80	Microbiome dataset from the upper respiratory tract of patients living with HIV, HIV/TB and TB from Myanmar. <i>Data in Brief</i> , 2018, 21, 354-357.	1.0	1
81	Acquired Resistance to Antituberculosis Drugs. <i>Emerging Infectious Diseases</i> , 2018, 24, 2134-2134.	4.3	2
82	â€¦Tetheringâ€¦™ fragment-based drug discovery to identify inhibitors of the essential respiratory membrane protein type II NADH dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2239-2243.	2.2	10
83	Ionophoric effects of the antitubercular drug bedaquiline. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7326-7331.	7.1	85
84	6-Substituted Hexamethylene Amiloride (HMA) Derivatives as Potent and Selective Inhibitors of the Human Urokinase Plasminogen Activator for Use in Cancer. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8299-8320.	6.4	56
85	Evaluation of the rapid molecular diagnostic test for the New Zealand <i>Mycobacterium tuberculosis</i> Rangipo strain in a clinical setting. <i>New Zealand Medical Journal</i> , 2018, 131, 70-72.	0.5	0
86	The mechanism of catalysis by type-II NADH:quinone oxidoreductases. <i>Scientific Reports</i> , 2017, 7, 40165.	3.3	45
87	Microarray dataset on the genome-wide expression profile of an <i>M. smegmatis</i> amtR mutant (JR258) compared to <i>M. smegmatis</i> mc 2 155. <i>Data in Brief</i> , 2017, 10, 38-40.	1.0	2
88	First 2 Extensively Drug-Resistant Tuberculosis Cases From Myanmar Treated With Bedaquiline. <i>Clinical Infectious Diseases</i> , 2017, 65, 531-532.	5.8	5
89	Oxidative Phosphorylation as a Target Space for Tuberculosis: Success, Caution, and Future Directions. <i>Microbiology Spectrum</i> , 2017, 5, .	3.0	89
90	First- and second-line antituberculosis drug resistance patterns among previous treatment failure patients in Myanmar. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 9, 34-35.	2.2	1

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91	Rapid molecular diagnosis of the Mycobacterium tuberculosis Rangipo strain responsible for the largest recurring TB cluster in New Zealand. Diagnostic Microbiology and Infectious Disease, 2017, 88, 138-140.	1.8	8
92	Synthesis and biological evaluation of novel teixobactin analogues. Organic and Biomolecular Chemistry, 2017, 15, 8755-8760.	2.8	31
93	Role of Alanine Racemase Mutations in Mycobacterium tuberculosis <i>Δ</i> -Cycloserine Resistance. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	24
94	Evaluation of the genotype MTBDRsl test for detection of second-line drug resistance in drug-resistant Mycobacterium tuberculosis strains in Myanmar. Infectious Diseases, 2017, 49, 865-866.	2.8	1
95	Mixotrophy drives niche expansion of verrucomicrobial methanotrophs. ISME Journal, 2017, 11, 2599-2610.	9.8	107
96	Exploiting the synthetic lethality between terminal respiratory oxidases to kill <i>Mycobacterium tuberculosis</i> and clear host infection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7426-7431.	7.1	141
97	Genotypic diversity of Mycobacterium tuberculosis strains in Myanmar. Infectious Diseases, 2017, 49, 237-239.	2.8	5
98	Crystal structure of type II NADH:quinone oxidoreductase from <i>Caldalkalibacillus thermarum</i> with an improved resolution of 2.15 Å. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 541-549.	0.8	10
99	Draft Genome Sequences of Two Drug-Resistant Mycobacterium tuberculosis Isolates from Myanmar. Genome Announcements, 2016, 4, .	0.8	2
100	Activation of type II NADH dehydrogenase by quinolinequinones mediates antitubercular cell death. Journal of Antimicrobial Chemotherapy, 2016, 71, 2840-2847.	3.0	38
101	A bacterial oxidase like no other?. Science, 2016, 352, 518-519.	12.6	9
102	Drug-resistant tuberculosis among previously treated patients in Yangon, Myanmar. International Journal of Mycobacteriology, 2016, 5, 366-367.	0.6	2
103	Regulation of the thermoalkaliphilic F ₁ -ATPase from <i>Caldalkalibacillus thermarum</i> . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10860-10865.	7.1	51
104	CydDC-mediated reductant export in <i>Escherichia coli</i> controls the transcriptional wiring of energy metabolism and combats nitrosative stress. Biochemical Journal, 2016, 473, 693-701.	3.7	36
105	Structure and Function of AmtR in Mycobacterium smegmatis: Implications for Post-Transcriptional Regulation of Urea Metabolism through a Small Antisense RNA. Journal of Molecular Biology, 2016, 428, 4315-4329.	4.2	8
106	Whole-genome sequencing of multidrug-resistant Mycobacterium tuberculosis isolates from Myanmar. Journal of Global Antimicrobial Resistance, 2016, 6, 113-117.	2.2	28
107	Biophysical Characterization of a Thermoalkaliphilic Molecular Motor with a High Stepping Torque Gives Insight into Evolutionary ATP Synthase Adaptation. Journal of Biological Chemistry, 2016, 291, 23965-23977.	3.4	21
108	Annotated compound data for modulators of detergent-solubilised or lipid-reconstituted respiratory type II NADH dehydrogenase activity obtained by compound library screening. Data in Brief, 2016, 6, 275-278.	1.0	2

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109	Synthesis and activity of a diselenide bond mimetic of the antimicrobial protein caenopore-5. <i>Chemical Science</i> , 2016, 7, 2005-2010.	7.4	21
110	Comparison of lipid and detergent enzyme environments for identifying inhibitors of membrane-bound energy-transducing proteins. <i>Journal of Microbiological Methods</i> , 2016, 120, 41-43.	1.6	6
111	Genomic and metagenomic surveys of hydrogenase distribution indicate H ₂ is a widely utilised energy source for microbial growth and survival. <i>ISME Journal</i> , 2016, 10, 761-777.	9.8	503
112	Defining the nitrogen regulated transcriptome of <i>Mycobacterium smegmatis</i> using continuous culture. <i>BMC Genomics</i> , 2015, 16, 821.	2.8	29
113	Atmospheric Hydrogen Scavenging: from Enzymes to Ecosystems. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1190-1199.	3.1	81
114	Novel regulatory roles of cAMP receptor proteins in fast-growing environmental mycobacteria. <i>Microbiology (United Kingdom)</i> , 2015, 161, 648-661.	1.8	11
115	Bactericidal mode of action of bedaquiline. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 2028-2037.	3.0	161
116	The cytochrome bd-type quinol oxidase is important for survival of <i>Mycobacterium smegmatis</i> under peroxide and antibiotic-induced stress. <i>Scientific Reports</i> , 2015, 5, 10333.	3.3	101
117	Role of the Transporter-Like Sensor Kinase CbrA in Histidine Uptake and Signal Transduction. <i>Journal of Bacteriology</i> , 2015, 197, 2867-2878.	2.2	22
118	A high-throughput screening assay for identification of inhibitors of the A1AO-ATP synthase of the rumen methanogen <i>Methanobrevibacter ruminantium</i> M1. <i>Journal of Microbiological Methods</i> , 2015, 110, 15-17.	1.6	3
119	Oral Bacitracin: A Consideration for Suppression of Intestinal Vancomycin-Resistant Enterococci (VRE) and for VRE Bacteremia From an Apparent Gastrointestinal Tract Source. <i>Clinical Infectious Diseases</i> , 2015, 60, 1726-1728.	5.8	7
120	Development of a <i>Mycobacterium smegmatis</i> transposon mutant array for characterising the mechanism of action of tuberculosis drugs: Findings with isoniazid and its structural analogues. <i>Tuberculosis</i> , 2015, 95, 432-439.	1.9	10
121	Persistence of the dominant soil phylum <i>Acidobacteria</i> by trace gas scavenging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10497-10502.	7.1	117
122	<i>Bacillus subtilis</i> as a Platform for Molecular Characterisation of Regulatory Mechanisms of <i>Enterococcus faecalis</i> Resistance against Cell Wall Antibiotics. <i>PLoS ONE</i> , 2014, 9, e93169.	2.5	9
123	Succinate Dehydrogenase is the Regulator of Respiration in <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004510.	4.7	87
124	Essentiality of Succinate Dehydrogenase in <i>Mycobacterium smegmatis</i> and Its Role in the Generation of the Membrane Potential Under Hypoxia. <i>MBio</i> , 2014, 5, .	4.1	70
125	An obligately aerobic soil bacterium activates fermentative hydrogen production to survive reductive stress during hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11479-11484.	7.1	117
126	Three different [<i>NiFe</i>] hydrogenases confer metabolic flexibility in the obligate aerobe <i>Mycobacterium smegmatis</i> . <i>Environmental Microbiology</i> , 2014, 16, 318-330.	3.8	63

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127	Energetics of Respiration and Oxidative Phosphorylation in Mycobacteria. <i>Microbiology Spectrum</i> , 2014, 2, .	3.0	164
128	Structure of the bacterial type <i>II</i> NADH dehydrogenase: a monotopic membrane protein with an essential role in energy generation. <i>Molecular Microbiology</i> , 2014, 91, 950-964.	2.5	103
129	A soil actinobacterium scavenges atmospheric H ₂ using two membrane-associated, oxygen-dependent [NiFe] hydrogenases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4257-4261.	7.1	116
130	Integration of hydrogenase expression and hydrogen sensing in bacterial cell physiology. <i>Current Opinion in Microbiology</i> , 2014, 18, 30-38.	5.1	49
131	The succinate dehydrogenase assembly factor, SdhE, is required for the flavinylation and activation of fumarate reductase in bacteria. <i>FEBS Letters</i> , 2014, 588, 414-421.	2.8	32
132	Energetics of Pathogenic Bacteria and Opportunities for Drug Development. <i>Advances in Microbial Physiology</i> , 2014, 65, 1-62.	2.4	102
133	Crystal Structure of PhnF, a GntR-Family Transcriptional Regulator of Phosphate Transport in <i>Mycobacterium smegmatis</i> . <i>Journal of Bacteriology</i> , 2014, 196, 3472-3481.	2.2	17
134	Incorporation of triphenylphosphonium functionality improves the inhibitory properties of phenothiazine derivatives in <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5320-5328.	3.0	32
135	Investigation of the Essentiality of Glutamate Racemase in <i>Mycobacterium smegmatis</i> . <i>Journal of Bacteriology</i> , 2014, 196, 4239-4244.	2.2	15
136	Hypoxia-Activated Cytochrome <i>bd</i> Expression in <i>Mycobacterium smegmatis</i> Is Cyclic AMP Receptor Protein Dependent. <i>Journal of Bacteriology</i> , 2014, 196, 3091-3097.	2.2	35
137	Editorial overview: Cell regulation: Microbial cell regulation—looking in from the outside. <i>Current Opinion in Microbiology</i> , 2014, 18, v-vii.	5.1	1
138	Characterization of the proline-utilization pathway in <i>Mycobacterium tuberculosis</i> through structural and functional studies. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 968-980.	2.5	14
139	The Growth and Survival of <i>Mycobacterium smegmatis</i> Is Enhanced by Co-Metabolism of Atmospheric H ₂ . <i>PLoS ONE</i> , 2014, 9, e103034.	2.5	55
140	Ribonucleases in bacterial toxin-antitoxin systems. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 523-531.	1.9	77
141	A New Type of Na ⁺ -Driven ATP Synthase Membrane Rotor with a Two-Carboxylate Ion-Coupling Motif. <i>PLoS Biology</i> , 2013, 11, e1001596.	5.6	61
142	Bridging the Gap Between a TB Drug and Its Target. <i>Science Translational Medicine</i> , 2012, 4, 150fs33.	12.4	3
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