

Lynn G Dover

List of Publications by Year in descending order

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65
papers

5,239
citations

117453

34
h-index

118652

62
g-index

66
all docs

66
docs citations

66
times ranked

6006
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron Metabolism in Pathogenic Bacteria. Annual Review of Microbiology, 2000, 54, 881-941.	2.9	1,305
2	The complete genome sequence and analysis of <i>Corynebacterium diphtheriae</i> NCTC13129. Nucleic Acids Research, 2003, 31, 6516-6523.	6.5	285
3	Mechanism of thioamide drug action against tuberculosis and leprosy. Journal of Experimental Medicine, 2007, 204, 73-78.	4.2	274
4	The Methyl-Branched Fortifications of <i>Mycobacterium tuberculosis</i> . Chemistry and Biology, 2002, 9, 545-553.	6.2	242
5	Sequencing and analysis of the genome of the Whipple's disease bacterium <i>Tropheryma whipplei</i> . Lancet, The, 2003, 361, 637-644.	6.3	232
6	Thiolactomycin and Related Analogues as Novel Anti-mycobacterial Agents Targeting KasA and KasB Condensing Enzymes in <i>Mycobacterium tuberculosis</i> . Journal of Biological Chemistry, 2000, 275, 16857-16864.	1.6	231
7	Acyl-CoA Carboxylases (accD2 and accD3), Together with a Unique Polyketide Synthase (Cg-pks), Are Key to Mycolic Acid Biosynthesis in <i>Corynebacteriaceae</i> Such as <i>Corynebacterium glutamicum</i> and <i>Mycobacterium tuberculosis</i> . Journal of Biological Chemistry, 2004, 279, 44847-44857.	1.6	159
8	Galactan Biosynthesis in <i>Mycobacterium tuberculosis</i> . Journal of Biological Chemistry, 2001, 276, 26430-26440.	1.6	147
9	EthA, a Common Activator of Thiocarbamide-Containing Drugs Acting on Different Mycobacterial Targets. Antimicrobial Agents and Chemotherapy, 2007, 51, 1055-1063.	1.4	143
10	Biochemical Characterization of Acyl Carrier Protein (AcpM) and Malonyl-CoA:AcpM Transacylase (mtFabD), Two Major Components of <i>Mycobacterium tuberculosis</i> Fatty Acid Synthase II. Journal of Biological Chemistry, 2001, 276, 27967-27974.	1.6	113
11	Mycolic acid biosynthesis and enzymic characterization of the β^2 -ketoacyl-ACP synthase A-condensing enzyme from <i>Mycobacterium tuberculosis</i> . Biochemical Journal, 2002, 364, 423-430.	1.7	112
12	Thiacetazone, an Antitubercular Drug that Inhibits Cyclopropanation of Cell Wall Mycolic Acids in Mycobacteria. PLoS ONE, 2007, 2, e1343.	1.1	112
13	Current Status and Research Strategies in Tuberculosis Drug Development. Journal of Medicinal Chemistry, 2011, 54, 6157-6165.	2.9	106
14	Comparative cell wall core biosynthesis in the mycolated pathogens, <i>Mycobacterium tuberculosis</i> and <i>Corynebacterium diphtheriae</i> . FEMS Microbiology Reviews, 2004, 28, 225-250.	3.9	99
15	Crystal Structure of the TetR/CamR Family Repressor <i>Mycobacterium tuberculosis</i> EthR Implicated in Ethionamide Resistance. Journal of Molecular Biology, 2004, 340, 1095-1105.	2.0	99
16	The Two Carboxylases of <i>Corynebacterium glutamicum</i> Essential for Fatty Acid and Mycolic Acid Synthesis. Journal of Bacteriology, 2007, 189, 5257-5264.	1.0	99
17	The <i>M. tuberculosis</i> antigen 85 complex and mycolyltransferase activity. Letters in Applied Microbiology, 2002, 34, 233-237.	1.0	88
18	Lipid composition and transcriptional response of <i>Mycobacterium tuberculosis</i> grown under iron-limitation in continuous culture: identification of a novel wax ester. Microbiology (United Kingdom), 2007, 151, 105-115.	1.0	85

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19	Antibacterial Metallic Touch Surfaces. <i>Materials</i> , 2016, 9, 736.	1.3	82
20	Identification of the lipooligosaccharide biosynthetic gene cluster from <i>Mycobacterium marinum</i> . <i>Molecular Microbiology</i> , 2007, 63, 1345-1359.	1.2	79
21	Stable self-assembly of a protein engineering scaffold on gold surfaces. <i>Protein Science</i> , 2002, 11, 1917-1925.	3.1	70
22	Genome Sequence of the Fleming Strain of <i>Micrococcus luteus</i> , a Simple Free-Living Actinobacterium. <i>Journal of Bacteriology</i> , 2010, 192, 841-860.	1.0	68
23	Inhibition of InhA Activity, but Not KasA Activity, Induces Formation of a KasA-containing Complex in Mycobacteria. <i>Journal of Biological Chemistry</i> , 2003, 278, 20547-20554.	1.6	66
24	Inactivation of <i>Corynebacterium glutamicum</i> NCgl0452 and the Role of MgtA in the Biosynthesis of a Novel Mannosylated Glycolipid Involved in Lipomannan Biosynthesis. <i>Journal of Biological Chemistry</i> , 2007, 282, 4561-4572.	1.6	65
25	Flavonoid inhibitors as novel antimycobacterial agents targeting Rv0636, a putative dehydratase enzyme involved in <i>Mycobacterium tuberculosis</i> fatty acid synthase II. <i>Microbiology (United Kingdom)</i> , 2007, 153, 3314-3322.	0.7	64
26	LosA, a Key Glycosyltransferase Involved in the Biosynthesis of a Novel Family of Glycosylated Acyltrehalose Lipooligosaccharides from <i>Mycobacterium marinum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 42124-42133.	1.6	62
27	Probing the Mechanism of the <i>Mycobacterium tuberculosis</i> β -Ketoacyl-Acyl Carrier Protein Synthase III mtFabH. <i>Journal of Biological Chemistry</i> , 2005, 280, 32539-32547.	1.6	54
28	Recent Advances in Metal-Based Antimicrobial Coatings for High-Touch Surfaces. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1162.	1.8	52
29	Lipoteichoic acid biosynthesis: two steps forwards, one step sideways?. <i>Trends in Microbiology</i> , 2009, 17, 219-225.	3.5	46
30	Sequence and Analysis of a Plasmid-Encoded Mercury Resistance Operon from <i>Mycobacterium marinum</i> Identifies MerH, a New Mercuric Ion Transporter. <i>Journal of Bacteriology</i> , 2009, 191, 439-444.	1.0	43
31	Purification and Biochemical Characterization of <i>Mycobacterium tuberculosis</i> SuhB, an Inositol Monophosphatase Involved in Inositol Biosynthesis. <i>Biochemistry</i> , 2002, 41, 4392-4398.	1.2	42
32	Arabinan-deficient mutants of <i>Corynebacterium glutamicum</i> and the consequent flux in decaprenylmonophosphoryl-d-arabinose metabolism. <i>Glycobiology</i> , 2006, 16, 1073-1081.	1.3	39
33	4Tuberculosis Chemotherapy: Recent Developments and Future Perspectives. <i>Progress in Medicinal Chemistry</i> , 2007, 45, 169-203.	4.1	39
34	Expression, purification and characterisation of soluble GlfT and the identification of a novel galactofuranosyltransferase Rv3782 involved in priming GlfT-mediated galactan polymerisation in <i>Mycobacterium tuberculosis</i> . <i>Protein Expression and Purification</i> , 2008, 58, 332-341.	0.6	37
35	X-Ray Crystal Structure of <i>Mycobacterium tuberculosis</i> β -Ketoacyl Acyl Carrier Protein Synthase II (mtKasB). <i>Journal of Molecular Biology</i> , 2007, 366, 469-480.	2.0	29
36	Altered expression profile of mycobacterial surface glycopeptidolipids following treatment with the antifungal azole inhibitors econazole and clotrimazole. <i>Microbiology (United Kingdom)</i> , 2005, 151, 2087-2095.	0.7	25

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37	Colicin Pore-Forming Domains Bind to Escherichia Coli Trimeric Porins. <i>Biochemistry</i> , 2000, 39, 8632-8637.	1.2	23
38	Synthesis of novel Iron(III) chelators based on triaza macrocycle backbone and 1-hydroxy-2(H)-pyridin-2-one coordinating groups and their evaluation as antimicrobial agents. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 49-58.	1.5	23
39	Displacement of OmpF loop 3 is not required for the membrane translocation of colicins N and A in vivo. <i>FEBS Letters</i> , 1998, 432, 117-122.	1.3	22
40	Structure of the diaminopimelate epimerase DapF from <i>Mycobacterium tuberculosis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 383-387.	2.5	21
41	Conformational Dynamics, Ligand Binding and Effects of Mutations in NirE an S-Adenosyl-L-Methionine Dependent Methyltransferase. <i>Scientific Reports</i> , 2016, 6, 20107.	1.6	21
42	Novel prenyl-linked benzophenone substrate analogues of mycobacterial mannosyltransferases. <i>Biochemical Journal</i> , 2004, 382, 905-912.	1.7	19
43	Tuning the Mechanical and Antimicrobial Performance of a Cu-Based Metallic Glass Composite through Cooling Rate Control and Annealing. <i>Materials</i> , 2017, 10, 506.	1.3	18
44	Regulation of Cell Wall Synthesis and Growth. <i>Current Molecular Medicine</i> , 2007, 7, 247-276.	0.6	17
45	Structures and Functions of Microbial Lipid Antigens Presented by CD1. , 2007, 314, 73-110.		17
46	Dimerization of inositol monophosphatase <i>Mycobacterium tuberculosis</i> SuhB is not constitutive, but induced by binding of the activator Mg ²⁺ . <i>BMC Structural Biology</i> , 2007, 7, 55.	2.3	15
47	The Rhodococcal Cell Envelope: Composition, Organisation and Biosynthesis. <i>Microbiology Monographs</i> , 2010, , 29-71.	0.3	15
48	Identification of a 29 kDa protein in the envelope of <i>Mycobacterium smegmatis</i> as a putative ferri-exochelin receptor. <i>Microbiology (United Kingdom)</i> , 1996, 142, 1521-1530.	0.7	15
49	Characterization of <i>Mycobacterium tuberculosis</i> diaminopimelic acid epimerase: paired cysteine residues are crucial for racemization. <i>FEMS Microbiology Letters</i> , 2008, 280, 57-63.	0.7	14
50	Structural characterisation of the virulence-associated protein VapG from the horse pathogen <i>Rhodococcus equi</i> . <i>Veterinary Microbiology</i> , 2015, 179, 42-52.	0.8	14
51	Phylogenomic Reappraisal of Fatty Acid Biosynthesis, Mycolic Acid Biosynthesis and Clinical Relevance Among Members of the Genus <i>Corynebacterium</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 802532.	1.5	12
52	The influence of linkages between 1-hydroxy-2(1H)-pyridinone coordinating groups and a tris(2-aminoethyl)amine core in a novel series of synthetic hexadentate iron(III) chelators on antimicrobial activity. <i>Bioorganic Chemistry</i> , 2020, 95, 103465.	2.0	11
53	New drugs and vaccines for drug-resistant <i>Mycobacterium tuberculosis</i> infections. <i>Expert Review of Vaccines</i> , 2008, 7, 481-497.	2.0	9
54	Development of antibacterial steel surfaces through laser texturing. <i>APL Materials</i> , 2020, 8, .	2.2	9

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55	Antimicrobial properties of Cu-based bulk metallic glass composites after surface modification. <i>Surface and Coatings Technology</i> , 2019, 372, 111-120.	2.2	7
56	Use of a codon alteration strategy in a novel approach to cloning the <i>Mycobacterium tuberculosis</i> diaminopimelic acid epimerase. <i>FEMS Microbiology Letters</i> , 2006, 262, 39-47.	0.7	6
57	Tuning the antimicrobial behaviour of Cu ₈₅ Zr ₁₅ thin films in "wet" and "dry" conditions through structural modifications. <i>Surface and Coatings Technology</i> , 2018, 350, 334-345.	2.2	6
58	World Journal of Microbiology and Biotechnology 2008. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 2375-2376.	1.7	5
59	Comment on Tocheva et al. "Sporulation, bacterial cell envelopes and the origin of life". <i>Nature Reviews Microbiology</i> , 2016, 14, 600-600.	13.6	5
60	Optimizing the antimicrobial performance of metallic glass composites through surface texturing. <i>Materials Today Communications</i> , 2020, 23, 101074.	0.9	5
61	Sterol 3 β -glucosyltransferase biocatalysts with a range of selectivities, including selectivity for testosterone. <i>Molecular BioSystems</i> , 2013, 9, 2816.	2.9	4
62	Genomic analysis of a novel <i>Rhodococcus</i> (<i>Prescottella</i>) <i>equi</i> isolate from a bovine host. <i>Archives of Microbiology</i> , 2019, 201, 1317-1321.	1.0	4
63	Antibiotics and New Inhibitors of the Cell Wall. , 0, , 107-131.		3
64	Recent advances in mycobacterial arabinogalactan biosynthesis in post-genomics era. <i>Special Publication - Royal Society of Chemistry</i> , 0, , 178-185.	0.0	2
65	What Genomics Has Taught Us about Bacterial Cell Wall Biosynthesis. , 0, , 327-360.		1