

Michel Arthur

List of Publications by Year in descending order

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149
papers

8,944
citations

34076

52
h-index

49868

87
g-index

162
all docs

162
docs citations

162
times ranked

5075
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Carbapenems Containing Peptidoglycan Mimetics and Inhibition of the Cross-Linking Activity of a Transpeptidase of I,d Specificity. <i>Chemistry - A European Journal</i> , 2021, 27, 3542-3551.	1.7	6
2	Traceless Staudinger Ligation for Bioconjugation of RNA. <i>Current Protocols</i> , 2021, 1, e42.	1.3	4
3	Click and Release Chemistry for Activity-Based Purification of β -Lactam Targets. <i>Chemistry - A European Journal</i> , 2021, 27, 7687-7695.	1.7	3
4	Role of endopeptidases in peptidoglycan synthesis mediated by alternative cross-linking enzymes in <i>Escherichia coli</i> . <i>EMBO Journal</i> , 2021, 40, e108126.	3.5	13
5	Traceless Staudinger Ligation To Introduce Chemical Diversity on β -Lactamase Inhibitors of Second Generation. <i>Organic Letters</i> , 2021, 23, 7755-7758.	2.4	2
6	Partition of tRNAGly isoacceptors between protein and cell-wall peptidoglycan synthesis in <i>Staphylococcus aureus</i> . <i>Nucleic Acids Research</i> , 2021, 49, 684-699.	6.5	6
7	Impact of relebactam-mediated inhibition of <i>Mycobacterium abscessus</i> BlaMab β -lactamase on the in vitro and intracellular efficacy of imipenem. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 379-383.	1.3	3
8	Inhibition Activity of Avibactam against <i>Nocardia farcinica</i> β -Lactamase FAR _{IFM10152} . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	4
9	Activity-Based Protein Profiling Reveals That Cephalosporins Selectively Active on Non-replicating <i>Mycobacterium tuberculosis</i> Bind Multiple Protein Families and Spare Peptidoglycan Transpeptidases. <i>Frontiers in Microbiology</i> , 2020, 11, 1248.	1.5	11
10	Diazabicyclooctane Functionalization for Inhibition of β -Lactamases from Enterobacteria. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 5257-5273.	2.9	17
11	Ceftazidime-Avibactam Resistance Mediated by the N ³⁴⁶ Y Substitution in Various AmpC β -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	17
12	Phosphine-Mediated Bioconjugation of the 3'-End of RNA. <i>Organic Letters</i> , 2020, 22, 8034-8038.	2.4	6
13	Tryptophan Fluorescence Quenching in β -Lactam-Interacting Proteins Is Modulated by the Structure of Intermediates and Final Products of the Acylation Reaction. <i>ACS Infectious Diseases</i> , 2019, 5, 1169-1176.	1.8	9
14	Structural insight into YcbB-mediated beta-lactam resistance in <i>Escherichia coli</i> . <i>Nature Communications</i> , 2019, 10, 1849.	5.8	29
15	Negative Impact of Carbapenem Methylation on the Reactivity of β -Lactams for Cysteine Acylation as Revealed by Quantum Calculations and Kinetic Analyses. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	5
16	In Vitro and Intracellular Activity of Imipenem Combined with Tedizolid, Rifabutin, and Avibactam against <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	48
17	903. Resensitization to β -Lactams in Enterococci Depends on Penicillin-Binding Protein (PBP) Mislocalization and Is Mediated by a Single Protein That Modulates Cell Membrane (CM) Adaptation to Daptomycin (DAP). <i>Open Forum Infectious Diseases</i> , 2019, 6, S28-S29.	0.4	0
18	Synthesis of Avibactam Derivatives and Activity on β -Lactamases and Peptidoglycan Biosynthesis Enzymes of <i>Mycobacteria</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 8081-8086.	1.7	30

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19	Synthesis of tRNA analogues containing a terminal ribose locked in the South conformation to study tRNA-dependent enzymes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1903-1911.	1.5	4
20	Critical Impact of Peptidoglycan Precursor Amidation on the Activity of L,D-Transpeptidases from <i>Enterococcus faecium</i> and <i>Mycobacterium tuberculosis</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 5743-5747.	1.7	44
21	Peptidoglycan Cross-Linking Activity of L, D-Transpeptidases from <i>Clostridium difficile</i> and Inactivation of These Enzymes by β -Lactams. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	23
22	In vitro activity of tedizolid against the <i>Mycobacterium abscessus</i> complex. <i>Diagnostic Microbiology and Infectious Disease</i> , 2018, 90, 186-189.	0.8	33
23	Copper inhibits peptidoglycan LD-transpeptidases suppressing β -lactam resistance due to bypass of penicillin-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10786-10791.	3.3	59
24	Combination of Amino Acid Substitutions Leading to CTX-M-15-Mediated Resistance to the Ceftazidime-Avibactam Combination. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	21
25	Synthesis of Lipid-Carbohydrate-Peptidyl-RNA Conjugates to Explore the Limits Imposed by the Substrate Specificity of Cell Wall Enzymes on the Acquisition of Drug Resistance. <i>Chemistry - A European Journal</i> , 2018, 24, 14911-14915.	1.7	5
26	In Vitro and Intracellular Activity of Imipenem Combined with Rifabutin and Avibactam against <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	28
27	Recognition of Peptidoglycan Fragments by the Transpeptidase PBP4 From <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 3223.	1.5	23
28	Inhibition of β -lactamases of mycobacteria by avibactam and clavulanate. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, dkw546.	1.3	39
29	Inhibition by Avibactam and Clavulanate of the β -Lactamases KPC-2 and CTX-M-15 Harboring the Substitution N ¹³² G in the Conserved SDN Motif. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	21
30	Impaired Inhibition by Avibactam and Resistance to the Ceftazidime-Avibactam Combination Due to the D ¹⁷⁹ Y Substitution in the KPC-2 β -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	76
31	Reversible inactivation of a peptidoglycan transpeptidase by a β -lactam antibiotic mediated by β -lactam-ring recyclization in the enzyme active site. <i>Scientific Reports</i> , 2017, 7, 9136.	1.6	29
32	Inhibition of the β -Lactamase Bla _{Mab} by Avibactam Improves the In Vitro and In Vivo Efficacy of Imipenem against <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	73
33	Factors essential for L,D-transpeptidase-mediated peptidoglycan cross-linking and β -lactam resistance in <i>Escherichia coli</i> . <i>ELife</i> , 2016, 5, .	2.8	137
34	Regulation of Bacterial Peptidoglycan Polymerization. <i>Trends in Microbiology</i> , 2016, 24, 519-521.	3.5	3
35	Hybrid Potential Simulation of the Acylation of <i>Enterococcus faecium</i> L, D-Transpeptidase by Carbapenems. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4767-4781.	1.2	5
36	Bactericidal and intracellular activity of β -lactams against <i>Mycobacterium abscessus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 1556-1563.	1.3	55

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37	Involvement of the Eukaryote-Like Kinase-Phosphatase System and a Protein That Interacts with Penicillin-Binding Protein 5 in Emergence of Cephalosporin Resistance in Cephalosporin-Sensitive Class A Penicillin-Binding Protein Mutants in <i>Enterococcus faecium</i> . <i>MBio</i> , 2016, 7, e02188-15.	1.8	17
38	Electrophilic RNA for Peptidyl-RNA Synthesis and Site-Specific Cross-Linking with tRNA-Binding Enzymes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13553-13557.	7.2	11
39	Electrophilic RNA for Peptidyl-RNA Synthesis and Site-Specific Cross-Linking with tRNA-Binding Enzymes. <i>Angewandte Chemie</i> , 2016, 128, 13751-13755.	1.6	8
40	Routes of Synthesis of Carbapenems for Optimizing Both the Inactivation of <i>Transpeptidase Ldt_{Mt1}</i> of <i>Mycobacterium tuberculosis</i> and the Stability toward Hydrolysis by β -Lactamase BlaC. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3427-3438.	2.9	23
41	Unusual substrate specificity of the peptidoglycan MurE ligase from <i>Erysipelothrix rhusiopathiae</i> . <i>Biochimie</i> , 2016, 121, 209-218.	1.3	5
42	β -Lactamase inhibition by avibactam in <i>Mycobacterium abscessus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1051-1058.	1.3	126
43	Acyl acceptor recognition by <i>Enterococcus faecium</i> <i>Transpeptidase L_{dt}fm</i> . <i>Molecular Microbiology</i> , 2015, 98, 90-100.	1.2	6
44	Methicillin-Susceptible, Vancomycin-Resistant <i>Staphylococcus aureus</i> , Brazil. <i>Emerging Infectious Diseases</i> , 2015, 21, 1844-1848.	2.0	38
45	Impact of β -Lactamase Inhibition on the Activity of Ceftaroline against <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium abscessus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2938-2941.	1.4	37
46	Synthesis of 3-Fluoro-tRNA Analogues for Exploring Non-Ribosomal Peptide Synthesis in Bacteria. <i>ChemBioChem</i> , 2015, 16, 477-486.	1.3	5
47	Rapid Cytolysis of <i>Mycobacterium tuberculosis</i> by Faropenem, an Orally Bioavailable β -Lactam Antibiotic. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1308-1319.	1.4	92
48	Mutation Landscape of Acquired Cross-Resistance to Glycopeptide and β -Lactam Antibiotics in <i>Enterococcus faecium</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5306-5315.	1.4	7
49	Hydrolysis of Clavulanate by <i>Mycobacterium tuberculosis</i> β -Lactamase BlaC Harboring a Canonical SDN Motif. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5714-5720.	1.4	28
50	Diaminopimelic Acid Amidation in <i>Corynebacteriales</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 13079-13094.	1.6	36
51	Combinations of β -Lactam Antibiotics Currently in Clinical Trials Are Efficacious in a DHP-I-Deficient Mouse Model of Tuberculosis Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4997-4999.	1.4	37
52	Peptidoglycan Cross-Linking in Glycopeptide-Resistant Actinomycetales. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1749-1756.	1.4	22
53	Serine/Threonine Protein Phosphatase-Mediated Control of the Peptidoglycan Cross-Linking <i>Transpeptidase Pathway</i> in <i>Enterococcus faecium</i> . <i>MBio</i> , 2014, 5, e01446-14.	1.8	25
54	Atomic Model of a Cell-Wall Cross-Linking Enzyme in Complex with an Intact Bacterial Peptidoglycan. <i>Journal of the American Chemical Society</i> , 2014, 136, 17852-17860.	6.6	47

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55	In vitro activity of cefoxitin and imipenem against Mycobacterium abscessus complex. Clinical Microbiology and Infection, 2014, 20, O297-O300.	2.8	60
56	Specificity determinants for the two tRNA substrates of the cyclodipeptide synthase AlbC from Streptomyces noursei. Nucleic Acids Research, 2014, 42, 7247-7258.	6.5	40
57	Chemical shift perturbations induced by the acylation of Enterococcus faecium l,d-transpeptidase catalytic cysteine with ertapenem. Biomolecular NMR Assignments, 2014, 8, 339-343.	0.4	2
58	Characterization of broad-spectrum Mycobacterium abscessus class A β -lactamase. Journal of Antimicrobial Chemotherapy, 2014, 69, 691-696.	1.3	95
59	Synthesis of 3 β -triazoyl-dinucleotides as precursors of stable Phe-tRNA ^{Phe} and Leu-tRNA ^{Leu} analogues. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3231-3233.	1.0	1
60	Synthesis and biological evaluation of non-isomerizable analogues of Ala-tRNA ^{Ala} . Organic and Biomolecular Chemistry, 2013, 11, 6161.	1.5	4
61	Efficient Access to Peptidyl-tRNA Conjugates for Picomolar Inhibition of Non-ribosomal FemX _{Wv} Aminoacyl Transferase. Chemistry - A European Journal, 2013, 19, 1357-1363.	1.7	22
62	Discovery of the first inhibitors of bacterial enzyme d-aspartate ligase from Enterococcus faecium (Asl _{fm}). European Journal of Medicinal Chemistry, 2013, 67, 208-220.	2.6	19
63	The Structure of FemX _{Wv} in Complex with a Peptidyl-tRNA Conjugate: Mechanism of Aminoacyl Transfer from Ala-tRNA ^{Ala} to Peptidoglycan Precursors. Angewandte Chemie - International Edition, 2013, 52, 7278-7281.	7.2	36
64	Structure of <i>Enterococcus faecium</i> l,d-Transpeptidase Acylated by Ertapenem Provides Insight into the Inactivation Mechanism. ACS Chemical Biology, 2013, 8, 1140-1146.	1.6	36
65	l,d-Transpeptidase (<i>Enterococcus</i>). , 2013, , 2465-2472.		0
66	In Vitro Cross-Linking of Mycobacterium tuberculosis Peptidoglycan by l,d-Transpeptidases and Inactivation of These Enzymes by Carbapenems. Antimicrobial Agents and Chemotherapy, 2013, 57, 5940-5945.	1.4	124
67	Kinetic Features of L,D-Transpeptidase Inactivation Critical for β -Lactam Antibacterial Activity. PLoS ONE, 2013, 8, e67831.	1.1	56
68	Colicin M, a peptidoglycan lipid-II-degrading enzyme: potential use for antibacterial means?. Biochemical Society Transactions, 2012, 40, 1522-1527.	1.6	17
69	Kinetic Analysis of Enterococcus faecium l,d-Transpeptidase Inactivation by Carbapenems. Antimicrobial Agents and Chemotherapy, 2012, 56, 3409-3412.	1.4	25
70	Characterization of Colicin M and its Orthologs Targeting Bacterial Cell Wall Peptidoglycan Biosynthesis. Microbial Drug Resistance, 2012, 18, 222-229.	0.9	17
71	Inactivation of Mycobacterium tuberculosis l,d-Transpeptidase Ldt _{Mt1} by Carbapenems and Cephalosporins. Antimicrobial Agents and Chemotherapy, 2012, 56, 4189-4195.	1.4	131
72	Functional and Structural Characterization of PaeM, a Colicin M-like Bacteriocin Produced by Pseudomonas aeruginosa. Journal of Biological Chemistry, 2012, 287, 37395-37405.	1.6	33

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73	Colicin M hydrolyses branched lipids II from Gram-positive bacteria. <i>Biochimie</i> , 2012, 94, 985-990.	1.3	15
74	Backbone and side-chain ¹ H, ¹⁵ N and ¹³ C assignment of apo- and imipenem-acylated L,d-transpeptidase from <i>Bacillus subtilis</i> . <i>Biomolecular NMR Assignments</i> , 2012, 6, 205-208.	0.4	3
75	Dynamics Induced by $\hat{\gamma}$ -Lactam Antibiotics in the Active Site of <i>Bacillus subtilis</i> L,d-Transpeptidase. <i>Structure</i> , 2012, 20, 850-861.	1.6	29
76	Fighting resistant tuberculosis with old compounds: the carbapenem paradigm. <i>Clinical Microbiology and Infection</i> , 2011, 17, 1755-1756.	2.8	20
77	Inactivation Kinetics of a New Target of $\hat{\gamma}$ -Lactam Antibiotics. <i>Journal of Biological Chemistry</i> , 2011, 286, 22777-22784.	1.6	50
78	The Peptidoglycan of <i>Mycobacterium abscessus</i> Is Predominantly Cross-Linked by γ , δ -Transpeptidases. <i>Journal of Bacteriology</i> , 2011, 193, 778-782.	1.0	91
79	The <i>In Vitro</i> Contribution of Autolysins to Bacterial Killing Elicited by Amoxicillin Increases with Inoculum Size in <i>Enterococcus faecalis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 910-912.	1.4	15
80	Synthesis of Stable Aminoacyl-tRNA Analogs. , 2011, Chapter 4, 4.44.1-4.44.33.		2
81	Characterization of CrgA, a New Partner of the <i>Mycobacterium tuberculosis</i> Peptidoglycan Polymerization Complexes. <i>Journal of Bacteriology</i> , 2011, 193, 3246-3256.	1.0	61
82	Decoding the Logic of the tRNA Regiospecificity of Nonribosomal FemX _{Wv} Aminoacyl Transferase. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5115-5119.	7.2	26
83	Activation of the γ , δ -transpeptidation peptidoglycan cross-linking pathway by a metallo δ , δ -carboxypeptidase in <i>Enterococcus faecium</i> . <i>Molecular Microbiology</i> , 2010, 75, 874-885.	1.2	39
84	Vancomycin sensing. <i>Nature Chemical Biology</i> , 2010, 6, 313-315.	3.9	10
85	The <i>Mycobacterium tuberculosis</i> protein LdtMt2 is a nonclassical transpeptidase required for virulence and resistance to amoxicillin. <i>Nature Medicine</i> , 2010, 16, 466-469.	15.2	242
86	Cleavage Specificity of <i>Enterococcus faecalis</i> EnpA (EF1473), a Peptidoglycan Endopeptidase Related to the LytM/Lysostaphin Family of Metallopeptidases. <i>Journal of Molecular Biology</i> , 2010, 398, 507-517.	2.0	10
87	Human- and Plant-Pathogenic <i>Pseudomonas</i> Species Produce Bacteriocins Exhibiting Colicin M-Like Hydrolase Activity towards Peptidoglycan Precursors. <i>Journal of Bacteriology</i> , 2009, 191, 3657-3664.	1.0	68
88	Contribution of the Autolysin AtlA to the Bactericidal Activity of Amoxicillin against <i>Enterococcus faecalis</i> JH2-2. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1667-1669.	1.4	10
89	Aminoacyl-tRNA recognition by the FemX _{Wv} transferase for bacterial cell wall synthesis. <i>Nucleic Acids Research</i> , 2009, 37, 1589-1601.	6.5	35
90	The Elucidation of the Structure of <i>Thermotoga maritima</i> Peptidoglycan Reveals Two Novel Types of Cross-link. <i>Journal of Biological Chemistry</i> , 2009, 284, 21856-21862.	1.6	27

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91	Role of Class A Penicillin-Binding Proteins in the Expression of β -Lactam Resistance in <i>Enterococcus faecium</i> . <i>Journal of Bacteriology</i> , 2009, 191, 3649-3656.	1.0	54
92	Impact of peptidoglycan O-acetylation on autolytic activities of the <i>Enterococcus faecalis</i> N-acetylglucosaminidase AtlA and N-acetylmuramidase AtlB. <i>FEBS Letters</i> , 2009, 583, 3033-3038.	1.3	21
93	Synthesis of Stable Aminoacyl-tRNA Analogues Containing Triazole as a Bioisoster of Esters. <i>Chemistry - A European Journal</i> , 2009, 15, 1929-1938.	1.7	46
94	The β -Lactam-sensitive α -carboxypeptidase activity of Pbp4 controls the α -D-glucosyl, α -D-mannosyl and α -D-galactosyl transpeptidation pathways in <i>Corynebacterium jeikeium</i> . <i>Molecular Microbiology</i> , 2009, 74, 650-661.	1.2	37
95	Quantitative high-performance liquid chromatography analysis of the pool levels of undecaprenyl phosphate and its derivatives in bacterial membranes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 213-220.	1.2	75
96	Evolution of peptidoglycan biosynthesis under the selective pressure of antibiotics in Gram-positive bacteria. <i>FEMS Microbiology Reviews</i> , 2008, 32, 386-408.	3.9	159
97	Covalent attachment of proteins to peptidoglycan. <i>FEMS Microbiology Reviews</i> , 2008, 32, 307-320.	3.9	114
98	The Peptidoglycan of Stationary-Phase <i>Mycobacterium tuberculosis</i> Predominantly Contains Cross-Links Generated by L,D-Transpeptidation. <i>Journal of Bacteriology</i> , 2008, 190, 4360-4366.	1.0	300
99	Identification of the L,D-Transpeptidases for Peptidoglycan Cross-Linking in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2008, 190, 4782-4785.	1.0	144
100	Role of N-Acetylglucosaminidase and N-Acetylmuramidase Activities in <i>Enterococcus faecalis</i> Peptidoglycan Metabolism. <i>Journal of Biological Chemistry</i> , 2008, 283, 19845-19853.	1.6	66
101	Specificity of L,D-Transpeptidases from Gram-positive Bacteria Producing Different Peptidoglycan Chemotypes. <i>Journal of Biological Chemistry</i> , 2007, 282, 13151-13159.	1.6	78
102	Unexpected Inhibition of Peptidoglycan LD-Transpeptidase from <i>Enterococcus faecium</i> by the β -Lactam Imipenem. <i>Journal of Biological Chemistry</i> , 2007, 282, 30414-30422.	1.6	115
103	Idiosyncratic features in tRNAs participating in bacterial cell wall synthesis. <i>Nucleic Acids Research</i> , 2007, 35, 6870-6883.	6.5	42
104	Identification of the L, D-Transpeptidases Responsible for Attachment of the Braun Lipoprotein to <i>Escherichia coli</i> Peptidoglycan. <i>Journal of Bacteriology</i> , 2007, 189, 3927-3931.	1.0	153
105	Stable Analogues of Aminoacyl-tRNA for Inhibition of an Essential Step of Bacterial Cell-Wall Synthesis. <i>Journal of the American Chemical Society</i> , 2007, 129, 12642-12643.	6.6	28
106	Crystal Structure of a Novel β -Lactam-insensitive Peptidoglycan Transpeptidase. <i>Journal of Molecular Biology</i> , 2006, 359, 533-538.	2.0	110
107	AslFm, the D-Aspartate Ligase Responsible for the Addition of D-Aspartic Acid onto the Peptidoglycan Precursor of <i>Enterococcus faecium</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 11586-11594.	1.6	85
108	Novel Mechanism of Resistance to Glycopeptide Antibiotics in <i>Enterococcus faecium</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 32254-32262.	1.6	36

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109	Functional Analysis of AtlA, the Major N -Acetylglucosaminidase of <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 8513-8519.	1.0	90
110	Structure-Based Site-Directed Mutagenesis of the UDP-MurNAc-Pentapeptide-Binding Cavity of the FemX Alanyl Transferase from <i>Weissella viridescens</i> . <i>Journal of Bacteriology</i> , 2005, 187, 3833-3838.	1.0	34
111	A Novel Peptidoglycan Cross-linking Enzyme for a \hat{I}^2 -Lactam-resistant Transpeptidation Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 38146-38152.	1.6	192
112	Role of Class A Penicillin-Binding Proteins in PBP5-Mediated \hat{I}^2 -Lactam Resistance in <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1221-1228.	1.0	108
113	Expression of Glycopeptide Resistance Gene in Response to Vancomycin and Teicoplanin in the Cardiac Vegetations of Rabbits Infected with VanB-Type <i>Enterococcus faecalis</i> . <i>Journal of Infectious Diseases</i> , 2004, 189, 90-97.	1.9	13
114	Synthesis of Mosaic Peptidoglycan Cross-bridges by Hybrid Peptidoglycan Assembly Pathways in Gram-positive Bacteria. <i>Journal of Biological Chemistry</i> , 2004, 279, 41546-41556.	1.6	74
115	Crystal Structures of <i>Weissella viridescens</i> FemX and Its Complex with UDP-MurNAc-Pentapeptide: Insights into FemABX Family Substrates Recognition. <i>Structure</i> , 2004, 12, 257-267.	1.6	71
116	Crystallization and preliminary X-ray analysis of <i>Weissella viridescens</i> FemX UDP-MurNAc-pentapeptide:L-alanine ligase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1055-1057.	2.5	2
117	The CroRS Two-Component Regulatory System Is Required for Intrinsic \hat{I}^2 -Lactam Resistance in <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2003, 185, 7184-7192.	1.0	90
118	Balance between Two Transpeptidation Mechanisms Determines the Expression of \hat{I}^2 -Lactam Resistance in <i>Enterococcus faecium</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 35801-35807.	1.6	78
119	Synthesis of the L-Alanyl-L-alanine Cross-bridge of <i>Enterococcus faecalis</i> Peptidoglycan. <i>Journal of Biological Chemistry</i> , 2002, 277, 45935-45941.	1.6	66
120	Identification of the UDP-MurNAc-Pentapeptide: L-Alanine Ligase for Synthesis of Branched Peptidoglycan Precursors in <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2001, 183, 5122-5127.	1.0	39
121	Role of Penicillin-Binding Protein 5 in Expression of Ampicillin Resistance and Peptidoglycan Structure in <i>Enterococcus faecium</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 2594-2597.	1.4	82
122	Regulation of VanA- and VanB-Type Glycopeptide Resistance in Enterococci. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 375-381.	1.4	115
123	Novel Mechanism of \hat{I}^2 -Lactam Resistance Due to Bypass of DD-Transpeptidation in <i>Enterococcus faecium</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 16490-16496.	1.6	132
124	Bactericidal Activity of Gentamicin against <i>Enterococcus faecalis</i> In Vitro and In Vivo. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 2077-2080.	1.4	17
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