FranÃ§oise Van Bambeke

List of Publications by Year
in descending order

222 papers	9,665 citations	30070 54 h-index	53230 85 g-index
226 all docs	226 docs citations	226 times ranked	10473 citing authors

#	Article	IF	Citations
1	Pseudomonas aeruginosa: resistance and therapeutic options at the turn of the new millennium. Clinical Microbiology and Infection, 2007, 13, 560-578.	6.0	455
2	Antibiotic efflux pumps. Biochemical Pharmacology, 2000, 60, 457-470.	4.4	327
3	Quinolones in 2005: an update. Clinical Microbiology and Infection, 2005, 11, 256-280.	6.0	297
4	Pharmacodynamic Evaluation of the Intracellular Activities of Antibiotics against Staphylococcus aureus in a Model of THP-1 Macrophages. Antimicrobial Agents and Chemotherapy, 2006, 50, 841-851.	3.2	228
5	Intracellular Staphylococcus aureus persisters upon antibiotic exposure. Nature Communications, 2020, 11, 2200.	12.8	197
6	Glycopeptide Antibiotics. Drugs, 2004, 64, 913-936.	10.9	181
7	Intracellular pharmacodynamics of antibiotics. Infectious Disease Clinics of North America, 2003, 17, 615-634.	5.1	164
8	Antibiotic efflux pumps in prokaryotic cells: occurrence, impact on resistance and strategies for the future of antimicrobial therapy. Journal of Antimicrobial Chemotherapy, 2003, 51, 1055-1065.	3.0	162
9	Contrasting Effects of Acidic pH on the Extracellular and Intracellular Activities of the Anti-Gram-Positive Fluoroquinolones Moxifloxacin and Delafloxacin againstStaphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2011, 55, 649-658.	3.2	160
10	Antibiotic activity against small-colony variants of Staphylococcus aureus: review of in vitro, animal and clinical data. Journal of Antimicrobial Chemotherapy, 2013, 68, 1455-1464.	3.0	154
11	ABC Multidrug Transporters: Target for Modulation of Drug Pharmacokinetics and Drug-Drug Interactions. Current Drug Targets, 2011, 12, 600-620.	2.1	141
12	Quantitative Analysis of Gentamicin, Azithromycin, Telithromycin, Ciprofloxacin, Moxifloxacin, and Oritavancin (LY333328) Activities against Intracellular Staphylococcus aureus in Mouse J774 Macrophages. Antimicrobial Agents and Chemotherapy, 2003, 47, 2283-2292.	3.2	140
13	The bacterial envelope as a target for novel anti-MRSA antibiotics. Trends in Pharmacological Sciences, 2008, 29, 124-134.	8.7	129
14	Inhibitors of Bacterial Efflux Pumps as Adjuvants in Antibiotic Treatments and Diagnostic Tools for Detection of Resistance by Efflux. Recent Patents on Anti-infective Drug Discovery, 2006, 1, 157-175.	0.8	125
15	Gentamicin-induced apoptosis in LLC-PK1 cells: Involvement of lysosomes and mitochondria. Toxicology and Applied Pharmacology, 2005, 206, 321-333.	2.8	124
16	Comparative Intracellular (THP-1 Macrophage) and Extracellular Activities of Î²-Lactams, Azithromycin, Gentamicin, and Fluoroquinolones against Listeria monocytogenes at Clinically Relevant Concentrations. Antimicrobial Agents and Chemotherapy, 2002, 46, 2095-2103.	3.2	116
17	A Combined Pharmacodynamic Quantitative and Qualitative Model Reveals the Potent Activity of Daptomycin and Delafloxacin against Staphylococcus aureus Biofilms. Antimicrobial Agents and Chemotherapy, 2013, 57, 2726-2737.	3.2	114
18	Safety Profile of the Respiratory Fluoroquinolone Moxifloxacin. Drug Safety, 2009, 32, 359-378.	3.2	108

#	Article	IF	Citations
19	Multidrug-Resistant Streptococcus pneumoniae Infections. Drugs, 2007, 67, 2355-2382.	10.9	104
20	Influence of P-glycoprotein and MRP efflux pump inhibitors on the intracellular activity of azithromycin and ciprofloxacin in macrophages infected by Listeria monocytogenes or Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2003, 51, 1167-1173.	3.0	101
21	Evaluation of the extracellular and intracellular activities (human THP-1 macrophages) of telavancin versus vancomycin against methicillin-susceptible, methicillin-resistant, vancomycin-intermediate and vancomycin-resistant Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2006, 58, 1177-1184.	3.0	100
22	Targeting the Type Three Secretion System in Pseudomonas aeruginosa. Trends in Pharmacological Sciences, 2016, 37, 734-749.	8.7	97
23	Glycopeptides in clinical development: pharmacological profile and clinical perspectives. Current Opinion in Pharmacology, 2004, 4, 471-478.	3.5	96
24	Role of oxidative stress in lysosomal membrane permeabilization and apoptosis induced by gentamicin, an aminoglycoside antibiotic. Free Radical Biology and Medicine, 2011, 51, 1656-1665.	2.9	91
25	Increased Susceptibility of Pseudomonas aeruginosa to Macrolides and Ketolides in Eukaryotic Cell Culture Media and Biological Fluids Due to Decreased Expression of oprM and Increased Outer-Membrane Permeability. Clinical Infectious Diseases, 2012, 55, 534-542.	5.8	90
26	Comparison of the Antibiotic Activities of Daptomycin, Vancomycin, and the Investigational Fluoroquinolone Delafloxacin against Biofilms from Staphylococcus aureus Clinical Isolates. Antimicrobial Agents and Chemotherapy, 2014, 58, 6385-6397.	3.2	88
27	Combined effect of pH and concentration on the activities of gentamicin and oxacillin against Staphylococcus aureus in pharmacodynamic models of extracellular and intracellular infections. Journal of Antimicrobial Chemotherapy, 2006, 59, 246-253.	3.0	87
28	Macrolides: pharmacokinetics and pharmacodynamics. International Journal of Antimicrobial Agents, 2001, 18, 17-23.	2.5	83
29	Interactions of Macrolide Antibiotics (Erythromycin A, Roxithromycin, Erythromycylamine) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Studies on Acellular and Cell Culture Models. Toxicology and Applied Pharmacology, 1999, 156, 129-140.	2.8	80
30	Reviving old antibiotics. Journal of Antimicrobial Chemotherapy, 2015, 70, 2177-2181.	3.0	79
31	A combined phenotypic and genotypic method for the detection of Mex efflux pumps in Pseudomonas aeruginosa. Journal of Antimicrobial Chemotherapy, 2007, 59, 378-386.	3.0	78
32	Interactions of ciprofloxacin with DPPC and DPPG: Fluorescence anisotropy, ATR-FTIR and 31P NMR spectroscopies and conformational analysis. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 2535-2543.	2.6	78
33	Interactions of oritavancin, a new lipoglycopeptide derived from vancomycin, with phospholipid bilayers: Effect on membrane permeability and nanoscale lipid membrane organization. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1832-1840.	2.6	77
34	Optimizing Î²-lactams treatment in critically-ill patients using pharmacokinetics/pharmacodynamics targets: are first conventional doses effective?. Expert Review of Anti-Infective Therapy, 2017, 15, 677-688.	4.4	77
35	Azithromycin, a Lysosomotropic Antibiotic, Has Distinct Effects on Fluid-Phase and Receptor-Mediated Endocytosis, but Does Not Impair Phagocytosis in J774 Macrophages. Experimental Cell Research, 2002, 281, 86-100.	2.6	76
36	Influence of Efflux Transporters on the Accumulation and Efflux of Four Quinolones (Ciprofloxacin,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Chemotherapy, 2005, 49, 2429-2437.	3.2	76

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37	Antibiotic efflux pumps in eukaryotic cells: occurrence and impact on antibiotic cellular pharmacokinetics, pharmacodynamics and toxicodynamics. Journal of Antimicrobial Chemotherapy, 2003, 51, 1067-1077.	3.0	75
38	2-Aminobenzothiazole derivatives: Search for new antifungal agents. European Journal of Medicinal Chemistry, 2013, 64, 357-364.	5.5	75
39	Gentamicin Causes Apoptosis at Low Concentrations in Renal LLC-PK 1 Cells Subjected to Electroporation. Antimicrobial Agents and Chemotherapy, 2006, 50, 1213-1221.	3.2	73
40	Cellular Pharmacokinetics of the Novel Biaryloxazolidinone Radezolid in Phagocytic Cells: Studies with Macrophages and Polymorphonuclear Neutrophils. Antimicrobial Agents and Chemotherapy, 2010, 54, 2540-2548.	3.2	73
41	In vivo development of antimicrobial resistance in Pseudomonas aeruginosa strains isolated from the lower respiratory tract of Intensive Care Unit patients with nosocomial pneumonia and receiving antipseudomonal therapy. International Journal of Antimicrobial Agents, 2010, 36, 513-522.	2.5	72
42	Determining Î²-lactam exposure threshold to suppress resistance development in Gram-negative bacteria. Journal of Antimicrobial Chemotherapy, 2017, 72, 1421-1428.	3.0	72
43	Vancomycin-Dependent Enterococcus faecalis Clinical Isolates and Revertant Mutants. Antimicrobial Agents and Chemotherapy, 1999, 43, 41-47.	3.2	72
44	Cellular Pharmacokinetics and Pharmacodynamics of the Glycopeptide Antibiotic Oritavancin (LY333328) in a Model of J774 Mouse Macrophages. Antimicrobial Agents and Chemotherapy, 2004, 48, 2853-2860.	3.2	66
45	Synthesis and Biological Evaluation of 2â€Mercaptoâ€1,3â€benzothiazole Derivatives with Potential Antimicrobial Activity. Archiv Der Pharmazie, 2009, 342, 605-613.	4.1	66
46	Influence of P-Glycoprotein Inhibitors on Accumulationof Macrolides in J774 MurineMacrophages. Antimicrobial Agents and Chemotherapy, 2003, 47, 1047-1051.	3.2	64
47	Molecular models of human P-glycoprotein in two different catalytic states. BMC Structural Biology, 2009, 9, 3.	2.3	63
48	Delafloxacin, a non-zwitterionic fluoroquinolone in Phase III of clinical development: evaluation of its pharmacology, pharmacokinetics, pharmacodynamics and clinical efficacy. Future Microbiology, 2015, 10, 1111-1123.	2.0	63
49	Comparative activity of quinolones (ciprofloxacin, levofloxacin, moxifloxacin and garenoxacin) against extracellular and intracellular infection by Listeria monocytogenes and Staphylococcus aureus in J774 macrophages. Journal of Antimicrobial Chemotherapy, 2005, 55, 511-517.	3.0	62
50	Lipoglycopeptide Antibacterial Agents in Gram-Positive Infections: A Comparative Review. Drugs, 2015, 75, 2073-2095.	10.9	61
51	Cellular pharmacokinetics and intracellular activity of torezolid (TR-700): studies with human macrophage (THP-1) and endothelial (HUVEC) cell lines. Journal of Antimicrobial Chemotherapy, 2009, 64, 1035-1043.	3.0	59
52	Plectasin Shows Intracellular Activity against Staphylococcus aureus in Human THP-1 Monocytes and in a Mouse Peritonitis Model. Antimicrobial Agents and Chemotherapy, 2009, 53, 4801-4808.	3.2	59
53	Cellular Pharmacodynamics of the Novel Biaryloxazolidinone Radezolid: Studies with Infected Phagocytic and Nonphagocytic cells, UsingStaphylococcus aureus,Staphylococcus epidermidis,Listeria monocytogenes, andLegionella pneumophila. Antimicrobial Agents and Chemotherapy, 2010, 54, 2549-2559.	3.2	58
54	Modelled target attainment after meropenem infusion in patients with severe nosocomial pneumonia: the PROMESSE study. Journal of Antimicrobial Chemotherapy, 2015, 70, 207-216.	3.0	55

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55	High-level resistance to meropenem in clinical isolates of Pseudomonas aeruginosa in the absence of carbapenemases: role of active efflux and porin alterations. International Journal of Antimicrobial Agents, 2016, 48, 740-743.	2.5	55
56	Cellular pharmacodynamics and pharmacokinetics of antibiotics: current views and perspectives. Current Opinion in Drug Discovery & Development, 2006, 9, 218-30.	1.9	55
57	Intracellular Activity of Antibiotics in a Model of Human THP-1 Macrophages Infected by a Staphylococcus aureus Small-Colony Variant Strain Isolated from a Cystic Fibrosis Patient: Pharmacodynamic Evaluation and Comparison with Isogenic Normal-Phenotype and Revertant Strains. Antimicrobial Agents and Chemotherapy, 2009, 53, 1434-1442.	3.2	54
58	Should standardized susceptibility testing for microbial biofilms be introduced in clinical practice?. Clinical Microbiology and Infection, 2018, 24, 570-572.	6.0	54
59	Interaction of the macrolide azithromycin with phospholipids. I. Inhibition of lysosomal phospholipase A1 activity. European Journal of Pharmacology, 1996, 314, 203-214.	3.5	53
60	Modulation of the Cellular Accumulation and Intracellular Activity of Daptomycin towards Phagocytized Staphylococcus aureus by the P-Glycoprotein (MDR1) Efflux Transporter in Human THP-1 Macrophages and Madin-Darby Canine Kidney Cells. Antimicrobial Agents and Chemotherapy, 2007, 51, 2748-2757.	3.2	53
61	Cellular Accumulation and Pharmacodynamic Evaluation of the Intracellular Activity of CEM-101, a Novel Fluoroketolide, againstStaphylococcus aureus,Listeria monocytogenes, andLegionella pneumophilain Human THP-1 Macrophages. Antimicrobial Agents and Chemotherapy, 2009, 53, 3734-3743.	3.2	53
62	Active Efflux of Ciprofloxacin from J774 Macrophages through an MRP-Like Transporter. Antimicrobial Agents and Chemotherapy, 2004, 48, 2673-2682.	3.2	52
63	Water-soluble amphotericin Bâ€“polyvinylpyrrolidone complexes with maintained antifungal activity against Candida spp. and Aspergillus spp. and reduced haemolytic and cytotoxic effects. Journal of Antimicrobial Chemotherapy, 2006, 57, 236-244.	3.0	52
64	Activity of finafloxacin, a novel fluoroquinolone with increased activity at acid pH, towards extracellular and intracellular Staphylococcus aureus, Listeria monocytogenes and Legionella pneumophila. International Journal of Antimicrobial Agents, 2011, 38, 52-59.	2.5	52
65	New Amphiphilic Neamine Derivatives Active against Resistant Pseudomonas aeruginosa and Their Interactions with Lipopolysaccharides. Antimicrobial Agents and Chemotherapy, 2014, 58, 4420-4430.	3.2	52
66	Natural and hemi-synthetic pentacyclic triterpenes as antimicrobials and resistance modifying agents against Staphylococcus aureus: a review. Phytochemistry Reviews, 2018, 17, 1129-1163.	6.5	52
67	Activity of three Î²-lactams (ertapenem, meropenem and ampicillin) against intraphagocytic Listeria monocytogenes and Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2005, 55, 897-904.	3.0	50
68	Fluoroquinolones induce the expression of patA and patB, which encode ABC efflux pumps in Streptococcus pneumoniae. Journal of Antimicrobial Chemotherapy, 2010, 65, 2076-2082.	3.0	50
69	Pharmacodynamic Evaluation of the Intracellular Activity of Antibiotics towards Pseudomonas aeruginosa PAO1 in a Model of THP-1 Human Monocytes. Antimicrobial Agents and Chemotherapy, 2013, 57, 2310-2318.	3.2	49
70	Loss of activity of ceftazidime-avibactam due to MexAB-OprM efflux and overproduction of AmpC cephalosporinase in Pseudomonas aeruginosa isolated from patients suffering from cystic fibrosis. International Journal of Antimicrobial Agents, 2018, 52, 697-701.	2.5	47
71	Alterations in membrane permeability induced by aminoglycoside antibiotics: studies on liposomes and cultured cells. European Journal of Pharmacology, 1993, 247, 155-168.	2.6	44
72	Profile of a Novel Anionic Fluoroquinoloneâ€”Delafloxacin. Clinical Infectious Diseases, 2019, 68, S213-S222.	5.8	44

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73	Dynamics and Structural Changes Induced by ATP Binding in SAV1866, a Bacterial ABC Exporter. Journal of Physical Chemistry B, 2010, 114, 15948-15957.	2.6	43
74	Antimicrobial Susceptibility of Pseudomonas aeruginosa Isolated from Cystic Fibrosis Patients in Northern Europe. Antimicrobial Agents and Chemotherapy, 2016, 60, 6735-6741.	3.2	43
75	Selection of quinolone resistance in Streptococcus pneumoniae exposed in vitro to subinhibitory drug concentrations. Journal of Antimicrobial Chemotherapy, 2007, 60, 965-972.	3.0	42
76	Acquired resistance to macrolides inPseudomonas aeruginosafrom cystic fibrosis patients. European Respiratory Journal, 2017, 49, 1601847.	6.7	42
77	Restoration of Susceptibility of Methicillin-resistant Staphylococcus aureus to Î²-Lactam Antibiotics by Acidic pH. Journal of Biological Chemistry, 2008, 283, 12769-12776.	3.4	41
78	Activities of Ceftobiprole and Other Cephalosporins against Extracellular and Intracellular (THP-1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 Methicillin-ResistantStaphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2009, 53, 2289-2297.	3.2	41
79	Intracellular activity of the peptide antibiotic NZ2114: studies with Staphylococcus aureus and human THP-1 monocytes, and comparison with daptomycin and vancomycin. Journal of Antimicrobial Chemotherapy, 2010, 65, 1720-1724.	3.0	41
80	The antifungal caspofungin increases fluoroquinolone activity against Staphylococcus aureus biofilms by inhibiting N-acetylglucosamine transferase. Nature Communications, 2016, 7, 13286.	12.8	41
81	Activity of beta-lactams (ampicillin, meropenem), gentamicin, azithromycin and moxifloxacin against intracellular Listeria monocytogenes in a 24 h THP-1 human macrophage model. Journal of Antimicrobial Chemotherapy, 2003, 51, 1051-1052.	3.0	40
82	Lysosomal alterations induced in cultured rat fibroblasts by long-term exposure to low concentrations of azithromycin. Journal of Antimicrobial Chemotherapy, 1998, 42, 761-767.	3.0	39
83	Role ofrsbUand Staphyloxanthin in Phagocytosis and Intracellular Growth ofStaphylococcus aureusin Human Macrophages and Endothelial Cells. Journal of Infectious Diseases, 2009, 200, 1367-1370.	4.0	39
84	Membrane destabilization induced by Î²-amyloid peptide 29-42: Importance of the amino-terminus. Chemistry and Physics of Lipids, 2002, 120, 57-74.	3.2	37
85	Ketolides: pharmacological profile and rational positioning in the treatment of respiratory tract infections. Expert Opinion on Pharmacotherapy, 2008, 9, 267-283.	1.8	37
86	Intracellular Activity of Antibiotics in a Model of Human THP-1 Macrophages Infected by a Staphylococcus aureus Small-Colony Variant Strain Isolated from a Cystic Fibrosis Patient: Study of Antibiotic Combinations. Antimicrobial Agents and Chemotherapy, 2009, 53, 1443-1449.	3.2	37
87	Pharmacodynamic Evaluation of the Activity of Antibiotics against Hemin- and Menadione-Dependent Small-Colony Variants of Staphylococcus aureus in Models of Extracellular (Broth) and Intracellular (THP-1 Monocytes) Infections. Antimicrobial Agents and Chemotherapy, 2012, 56, 3700-3711.	3.2	36
88	Interaction of the macrolide azithromycin with phospholipids. II. Biophysical and computer-aided conformational studies. European Journal of Pharmacology, 1996, 314, 215-227.	3.5	35
89	Azithromycin, a lysosomotropic antibiotic, impairs fluid-phase pinocytosis in cultured fibroblasts. European Journal of Cell Biology, 2001, 80, 466-478.	3.6	35
90	Cellular accumulation of fluoroquinolones is not predictive of their intracellular activity: studies with gemifloxacin, moxifloxacin and ciprofloxacin in a pharmacokinetic/pharmacodynamic model of uninfected and infected macrophages. International Journal of Antimicrobial Agents, 2011, 38, 249-56.	2.5	34

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91	Mechanisms of intrinsic resistance and acquired susceptibility of Pseudomonas aeruginosa isolated from cystic fibrosis patients to temocillin, a revived antibiotic. Scientific Reports, 2017, 7, 40208.	3.3	34
92	Synergy between Ursolic and Oleanolic Acids from Vitellaria paradoxa Leaf Extract and Î²-Lactams against Methicillin-Resistant Staphylococcus aureus: In Vitro and In Vivo Activity and Underlying Mechanisms. Molecules, 2017, 22, 2245.	3.8	34
93	Artemisia Spp. Derivatives for COVID-19 Treatment: Anecdotal Use, Political Hype, Treatment Potential, Challenges, and Road Map to Randomized Clinical Trials. American Journal of Tropical Medicine and Hygiene, 2020, 103, 960-964.	1.4	34
94	Glycopeptides and glycodepsipeptides in clinical development: a comparative review of their antibacterial spectrum, pharmacokinetics and clinical efficacy. Current Opinion in Investigational Drugs, 2006, 7, 740-9.	2.3	34
95	Aminoglycoside antibiotics induce aggregation but not fusion of negatively-charged liposomes. European Journal of Pharmacology, 1995, 289, 321-333.	2.6	33
96	Biophysical studies and intracellular destabilization of pHâ€sensitive liposomes. Lipids, 2000, 35, 213-223.	1.7	33
97	Salicylidene Acylhydrazides and Hydroxyquinolines Act as Inhibitors of Type Three Secretion Systems in Pseudomonas aeruginosa by Distinct Mechanisms. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	33
98	Mixed-Lipid Storage Disorder Induced in Macrophages and Fibroblasts by Oritavancin (LY333328), a New Glycopeptide Antibiotic with Exceptional Cellular Accumulation. Antimicrobial Agents and Chemotherapy, 2005, 49, 1695-1700.	3.2	32
99	Role of Acidic pH in the Susceptibility of Intraphagocytic Methicillin-Resistant Staphylococcus aureus Strains to Meropenem and Cloxacillin. Antimicrobial Agents and Chemotherapy, 2007, 51, 1627-1632.	3.2	32
100	Activity of moxifloxacin against intracellular community-acquired methicillin-resistant Staphylococcus aureus: comparison with clindamycin, linezolid and co-trimoxazole and attempt at defining an intracellular susceptibility breakpoint. Journal of Antimicrobial Chemotherapy, 2011, 66, 596-607.	3.0	32
101	Activity of Fusidic Acid Against Extracellular and Intracellular Staphylococcus aureus: Influence of pH and Comparison With Linezolid and Clindamycin. Clinical Infectious Diseases, 2011, 52, S493-S503.	5.8	31
102	Activities of antistaphylococcal antibiotics towards the extracellular and intraphagocytic forms of Staphylococcus aureus isolates from a patient with persistent bacteraemia and endocarditis. Clinical Microbiology and Infection, 2008, 14, 766-777.	6.0	30
103	Cellular pharmacokinetics of telavancin, a novel lipoglycopeptide antibiotic, and analysis of lysosomal changes in cultured eukaryotic cells (J774 mouse macrophages and rat embryonic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.0	30
104	Cellular pharmacokinetics and intracellular activity against Listeria monocytogenes and Staphylococcus aureus of chemically modified and nanoencapsulated gentamicin. Journal of Antimicrobial Chemotherapy, 2012, 67, 2158-2164.	3.0	30
105	Mechanisms of Action. , 2017, , 1162-1180.e1.		30
106	Impairment of Growth ofListeria monocytogenesin THPâ€1 Macrophages by Granulocyte Macrophage Colonyâ€Stimulating Factor: Release of Tumor Necrosis Factorâ€“1± and Nitric Oxide. Journal of Infectious Diseases, 2004, 189, 2101-2109.	4.0	29
107	Sequencing of the ddl gene and modeling of the mutated D-alanine:D-alanine ligase in glycopeptide-dependent strains of Enterococcus faecium. Protein Science, 2001, 10, 836-844.	7.6	28
108	Predicting the three-dimensional structure of human P-glycoprotein in absence of ATP by computational techniques embodying crosslinking data: Insight into the mechanism of ligand migration and binding sites. Proteins: Structure, Function and Bioinformatics, 2006, 63, 466-478.	2.6	28

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109	Renaissance of antibiotics against difficult infections: Focus on oritavancin and new ketolides and quinolones. Annals of Medicine, 2014, 46, 512-529.	3.8	28
110	DD-Ligases as a Potential Target for Antibiotics: Past, Present and Future. Current Medicinal Chemistry, 2009, 16, 2566-2580.	2.4	27
111	Avibactam confers susceptibility to a large proportion of ceftazidime-resistantPseudomonas aeruginosaisolates recovered from cystic fibrosis patients. Journal of Antimicrobial Chemotherapy, 2015, 70, 1596-1598.	3.0	27
112	Cooperation between Prokaryotic (Lde) and Eukaryotic (MRP) Efflux Transporters in J774 Macrophages Infected withListeria monocytogenes: Studies with Ciprofloxacin and Moxifloxacin. Antimicrobial Agents and Chemotherapy, 2008, 52, 3040-3046.	3.2	26
113	Restoration of Susceptibility of Intracellular Methicillin-ResistantStaphylococcus aureusto Î²-Lactams: Comparison of Strains, Cells, and Antibiotics. Antimicrobial Agents and Chemotherapy, 2008, 52, 2797-2805.	3.2	26
114	Identification of the Efflux Transporter of the Fluoroquinolone Antibiotic Ciprofloxacin in Murine Macrophages: Studies with Ciprofloxacin-Resistant Cells. Antimicrobial Agents and Chemotherapy, 2009, 53, 2410-2416.	3.2	26
115	Interactions of oritavancin, a new semi-synthetic lipoglycopeptide, with lipids extracted from Staphylococcus aureus. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1876-1885.	2.6	26
116	Inhibition of the Injectisome and Flagellar Type III Secretion Systems by INP1855 ImpairsPseudomonas aeruginosaPathogenicity and Inflammasome Activation. Journal of Infectious Diseases, 2016, 214, 1105-1116.	4.0	26
117	Cellular Accumulation and Activity of Quinolones in Ciprofloxacin-Resistant J774 Macrophages. Antimicrobial Agents and Chemotherapy, 2006, 50, 1689-1695.	3.2	24
118	Passive diffusion of polymeric surfactants across lipid bilayers. Journal of Controlled Release, 2007, 120, 79-87.	9.9	24
119	Intra- and extracellular activity of linezolid against Staphylococcus aureus in vivo and in vitro. Journal of Antimicrobial Chemotherapy, 2010, 65, 962-973.	3.0	24
120	Great phenotypic and genetic variation among successive chronic Pseudomonas aeruginosa from a cystic fibrosis patient. PLoS ONE, 2018, 13, e0204167.	2.5	24
121	Host Cell Oxidative Stress Induces Dormant Staphylococcus aureus Persisters. Microbiology Spectrum, 2022, 10, e0231321.	3.0	24
122	Anidulafungin increases the antibacterial activity of tigecycline in polymicrobial Candida albicans/Staphylococcus aureus biofilms on intraperitoneally implanted foreign bodies. Journal of Antimicrobial Chemotherapy, 2018, 73, 2806-2814.	3.0	23
123	Modulation of the in vitro activity of lysosomal phospholipase A1 by membrane lipids. Chemistry and Physics of Lipids, 2005, 133, 1-15.	3.2	21
124	Intra- and Extracellular Activities of Dicloxacillin against Staphylococcus aureus In Vivo and In Vitro. Antimicrobial Agents and Chemotherapy, 2010, 54, 2391-2400.	3.2	21
125	Macrophage Killing of Bacterial and Fungal Pathogens Is Not Inhibited by Intense Intracellular Accumulation of the Lipoglycopeptide Antibiotic Oritavancin. Clinical Infectious Diseases, 2012, 54, S229-S232.	5.8	21
126	Mitochondrial Alterations (Inhibition of Mitochondrial Protein Expression, Oxidative Metabolism,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Cultured Human HL-60 Promyelocytes and THP-1 Monocytes. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	21

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127	Experimental and Conformational Analyses of Interactions between Butenafine and Lipids. Antimicrobial Agents and Chemotherapy, 2001, 45, 3347-3354.	3.2	20
128	Pharmacological Characterization of 7-(4-(Piperazin-1-yl)) Ciprofloxacin Derivatives: Antibacterial Activity, Cellular Accumulation, Susceptibility to Efflux Transporters, and Intracellular Activity. Pharmaceutical Research, 2014, 31, 1290-1301.	3.5	20
129	Increase of efflux-mediated resistance in Pseudomonas aeruginosa during antibiotic treatment in patients suffering from nosocomial pneumonia. International Journal of Antimicrobial Agents, 2016, 47, 77-83.	2.5	20
130	1-(2-Hydroxybenzoyl)-thiosemicarbazides are promising antimicrobial agents targeting d-alanine-d-alanine ligase in bacterio. European Journal of Medicinal Chemistry, 2018, 159, 324-338.	5.5	20
131	Activity of Antibiotics against Staphylococcus aureus in an In Vitro Model of Biofilms in the Context of Cystic Fibrosis: Influence of the Culture Medium. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	20
132	Clinical Use and Adverse Drug Reactions of Linezolid: A Retrospective Study in Four Belgian Hospital Centers. Antibiotics, 2021, 10, 530.	3.7	20
133	Pharmacomodulations of the benzoyl-thiosemicarbazide scaffold reveal antimicrobial agents targeting d-alanyl-d-alanine ligase in bacterio. European Journal of Medicinal Chemistry, 2020, 200, 112444.	5.5	20
134	Hyperactivity of cathepsin B and other lysosomal enzymes in fibroblasts exposed to azithromycin, a dicationic macrolide antibiotic with exceptional tissue accumulation. FEBS Letters, 1996, 394, 307-310.	2.8	19
135	Accumulation and Oriented Transport of Ampicillin in Caco-2 Cells from Its Pivaloyloxymethylester Prodrug, Pivampicillin. Antimicrobial Agents and Chemotherapy, 2005, 49, 1279-1288.	3.2	19
136	Intra- and Extracellular Activities of Dicloxacillin and Linezolid against a ClinicalStaphylococcus aureusStrain with a Small-Colony-Variant Phenotype in anIn VitroModel of THP-1 Macrophages and anIn VivoMouse Peritonitis Model. Antimicrobial Agents and Chemotherapy, 2011, 55, 1443-1452.	3.2	19
137	Study of Macrophage Functions in Murine J774 Cells and Human Activated THP-1 Cells Exposed to Oritavancin, a Lipoglycopeptide with High Cellular Accumulation. Antimicrobial Agents and Chemotherapy, 2014, 58, 2059-2066.	3.2	19
138	Activities of Combinations of Antistaphylococcal Antibiotics with Fusidic Acid against Staphylococcal Biofilms in In Vitro Static and Dynamic Models. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	19
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