Richard E Lee

List of Publications by Citations

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184 papers	9,024 citations	50 h-index	90 g-index
198 ext. papers	10,202 ext. citations	6.4 avg, IF	5.74 L-index

#	Paper	IF	Citations
184	Targeting bacterial membrane function: an underexploited mechanism for treating persistent infections. *Nature Reviews Microbiology*, **2011**, 9, 62-75	22.2	537
183	Mycolactone: a polyketide toxin from Mycobacterium ulcerans required for virulence. *Science*, **1999** , 283, 854-7	33.3	520
182	Mycolic acids: structure, biosynthesis and physiological functions. *Progress in Lipid Research*, **1998**, 37, 143-79	14.3	437
181	Giant plasmid-encoded polyketide synthases produce the macrolide toxin of Mycobacterium ulcerans. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 1345-9	11.5	303
180	Inhibition of mycolic acid transport across the Mycobacterium tuberculosis plasma membrane. *Nature Chemical Biology*, **2012**, 8, 334-41	11.7	295
179	Genome-wide expression profiling of the response to azole, polyene, echinocandin, and pyrimidine antifungal agents in Candida albicans. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 2226-36	5.9	271
178	Validation of molecular docking programs for virtual screening against dihydropteroate synthase. *Journal of Chemical Information and Modeling*, **2009**, 49, 444-60	6.1	237
177	New agents for the treatment of drug-resistant Mycobacterium tuberculosis. *Advanced Drug Delivery Reviews*, **2016**, 102, 55-72	18.5	217
176	Combinatorial lead optimization of [1,2]-diamines based on ethambutol as potential antituberculosis preclinical candidates. *ACS Combinatorial Science*, **2003**, 5, 172-87		172
175	Identification of a gene involved in the biosynthesis of cyclopropanated mycolic acids in Mycobacterium tuberculosis. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 6630-4	11.5	167
174	Catalysis and sulfa drug resistance in dihydropteroate synthase. *Science*, **2012**, 335, 1110-4	33.3	147
173	First cultivation and characterization of Mycobacterium ulcerans from the environment. *PLoS Neglected Tropical Diseases*, **2008**, 2, e178	4.8	143
172	Heterogeneity of mycolactones produced by clinical isolates of Mycobacterium ulcerans: implications for virulence. *Infection and Immunity*, **2003**, 71, 774-83	3.7	141
171	Novel insights into the mechanism of inhibition of MmpL3, a target of multiple pharmacophores in Mycobacterium tuberculosis. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 6413-23	5.9	137
170	Spectinamides: a new class of semisynthetic antituberculosis agents that overcome native drug efflux. *Nature Medicine*, **2014**, 20, 152-158	50.5	132
169	Antimycobacterial action of thiolactomycin: an inhibitor of fatty acid and mycolic acid synthesis. *Antimicrobial Agents and Chemotherapy*, **1996**, 40, 2813-9	5.9	131
168	Novel inhibitors of an emerging target in Mycobacterium tuberculosis; substituted thiazolidinones as inhibitors of dTDP-rhamnose synthesis. *Bioorganic and Medicinal Chemistry Letters*, **2003**, 13, 3227-30	2.9	130

167	Acyl-phosphates initiate membrane phospholipid synthesis in Gram-positive pathogens. *Molecular Cell*, **2006**, 23, 765-72	17.6	128
166	Synthesis of the Arabinose Donor .beta.-D-Arabinofuranosyl-1-monophosphoryldecaprenol, Development of a Basic Arabinosyl-Transferase Assay, and Identification of Ethambutol as an Arabinosyl Transferase Inhibitor. *Journal of the American Chemical Society*, **1995**, 117, 11829-11832	16.4	128
165	Isoniazid affects multiple components of the type II fatty acid synthase system of Mycobacterium tuberculosis. *Molecular Microbiology*, **2000**, 38, 514-25	4.1	126
164	Use of genomics and combinatorial chemistry in the development of new antimycobacterial drugs. *Biochemical Pharmacology*, **2000**, 59, 221-31	6	107
163	Globally distributed mycobacterial fish pathogens produce a novel plasmid-encoded toxic macrolide, mycolactone F. *Infection and Immunity*, **2006**, 74, 6037-45	3.7	106
162	Inhibition of UDP-Gal Mutase and Mycobacterial Galactan Biosynthesis by Pyrrolidine Analogues of Galactofuranose. *Tetrahedron Letters*, **1997**, 38, 6733-6736	2	104
161	A newly discovered mycobacterial pathogen isolated from laboratory colonies of Xenopus species with lethal infections produces a novel form of mycolactone, the Mycobacterium ulcerans macrolide toxin. *Infection and Immunity*, **2005**, 73, 3307-12	3.7	103
160	Discovery of novel selective inhibitors of human intestinal carboxylesterase for the amelioration of irinotecan-induced diarrhea: synthesis, quantitative structure-activity relationship analysis, and biological activity. *Molecular Pharmacology*, **2004**, 65, 1336-43	4.3	86
159	Identification of the apparent carrier in mycolic acid synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 12735-9	11.5	86
158	Chemical knockout of pantothenate kinase reveals the metabolic and genetic program responsible for hepatic coenzyme A homeostasis. *Chemistry and Biology*, **2007**, 14, 291-302		85
157	The structure-activity relationship of urea derivatives as anti-tuberculosis agents. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 5585-95	3.4	81
156	Mycobacterial arabinan biosynthesis: the use of synthetic arabinoside acceptors in the development of an arabinosyl transfer assay. *Glycobiology*, **1997**, 7, 1121-8	5.8	81
155	Crystal structure of 7,8-dihydropteroate synthase from Bacillus anthracis: mechanism and novel inhibitor design. *Structure*, **2004**, 12, 1705-17	5.2	79
154	Synthesis and evaluation of nitrofuranylamides as novel antituberculosis agents. *Journal of Medicinal Chemistry*, **2004**, 47, 5276-83	8.3	76
153	A pantothenate kinase from Staphylococcus aureus refractory to feedback regulation by coenzyme A. *Journal of Biological Chemistry*, **2005**, 280, 3314-22	5.4	76
152	A microbiological assessment of novel nitrofuranylamides as anti-tuberculosis agents. *Journal of Antimicrobial Chemotherapy*, **2008**, 62, 1037-45	5.1	75
151	Synthesis and evaluation of cyclic secondary amine substituted phenyl and benzyl nitrofuranyl amides as novel antituberculosis agents. *Journal of Medicinal Chemistry*, **2005**, 48, 8261-9	8.3	70
150	Acyl carrier protein is a cellular target for the antibacterial action of the pantothenamide class of pantothenate antimetabolites. *Journal of Biological Chemistry*, **2004**, 279, 50969-75	5.4	70

149	A statistical framework to evaluate virtual screening. *BMC Bioinformatics*, **2009**, 10, 225	3.6	69
148	Identification of triazinoindol-benzimidazolones as nanomolar inhibitors of the Mycobacterium tuberculosis enzyme TDP-6-deoxy-d-xylo-4-hexopyranosid-4-ulose 3,5-epimerase (RmlC). *Bioorganic and Medicinal Chemistry*, **2010**, 18, 896-908	3.4	69
147	Discovery of novel isoxazolines as anti-tuberculosis agents. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 6638-42	2.9	69
146	Synthesis, structure-activity relationship studies, and antibacterial evaluation of 4-chromanones and chalcones, as well as olympicin A and derivatives. *Journal of Medicinal Chemistry*, **2014**, 57, 8398-420	8.3	68
145	Pantothenamides are potent, on-target inhibitors of Plasmodium falciparum growth when serum pantetheinase is inactivated. *PLoS ONE*, **2013**, 8, e54974	3.7	65
144	Therapeutic Potential of the Mycobacterium tuberculosis Mycolic Acid Transporter, MmpL3. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 5198-207	5.9	64
143	New approaches to target the mycolic acid biosynthesis pathway for the development of tuberculosis therapeutics. *Current Pharmaceutical Design*, **2014**, 20, 4357-78	3.3	63
142	Structural studies of pterin-based inhibitors of dihydropteroate synthase. *Journal of Medicinal Chemistry*, **2010**, 53, 166-77	8.3	62
141	Mechanisms involved in the intrinsic isoniazid resistance of Mycobacterium avium. *Molecular Microbiology*, **1998**, 27, 1223-33	4.1	62
140	Screening a library of 1600 adamantyl ureas for anti-Mycobacterium tuberculosis activity in vitro and for better physical chemical properties for bioavailability. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3255-62	3.4	58
139	Structure-activity relationships and enzyme inhibition of pantothenamide-type pantothenate kinase inhibitors. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 1007-20	3.4	56
138	RelA Mutant Enterococcus faecium with Multiantibiotic Tolerance Arising in an Immunocompromised Host. *MBio*, **2017**, 8,	7.8	53
137	Antibacterial and antitubercular activity of fosmidomycin, FR900098, and their lipophilic analogs. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 6973-6	2.9	52
136	Synthesis, optimization and structure-activity relationships of 3,5-disubstituted isoxazolines as new anti-tuberculosis agents. *European Journal of Medicinal Chemistry*, **2009**, 44, 460-72	6.8	50
135	Rapid structural characterization of the arabinogalactan and lipoarabinomannan in live mycobacterial cells using 2D and 3D HR-MAS NMR: structural changes in the arabinan due to ethambutol treatment and gene mutation are observed. *Glycobiology*, **2005**, 15, 139-51	5.8	50
134	Design, synthesis and anti-tuberculosis activity of 1-adamantyl-3-heteroaryl ureas with improved in vitro pharmacokinetic properties. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 2587-99	3.4	48
133	Genome-wide expression profiling of the response to ciclopirox olamine in Candida albicans. *Journal of Antimicrobial Chemotherapy*, **2005**, 55, 655-62	5.1	48
132	An approach to combinatorial library generation of galactofuranose mimics as potential inhibitors of mycobacterial cell wall biosynthesis: Synthesis of a peptidomimetic of uridine 5?-diphosphogalactofuranose (UDP-Galf). *Tetrahedron Letters*, **1999**, 40, 8689-8692	2	48

131	Pterin-sulfa conjugates as dihydropteroate synthase inhibitors and antibacterial agents. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 3950-4	2.9	48
130	Discovery of non-carbohydrate inhibitors of aminoglycoside-modifying enzymes. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 6252-63	3.4	46
129	Structural characterization of the Mycobacterium tuberculosis biotin biosynthesis enzymes 7,8-diaminopelargonic acid synthase and dethiobiotin synthetase. *Biochemistry*, **2010**, 49, 6746-60	3.2	44
128	Design, synthesis, and evaluation of novel ethambutol analogues. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 1607-11	2.9	44
127	In vitro pharmacokinetic/pharmacodynamic models in anti-infective drug development: focus on TB. *Future Medicinal Chemistry*, **2010**, 2, 1355-69	4.1	43
126	The structure of the pantothenate kinase.ADP.pantothenate ternary complex reveals the relationship between the binding sites for substrate, allosteric regulator, and antimetabolites. *Journal of Biological Chemistry*, **2004**, 279, 35622-9	5.4	42
125	Quantitative structure-activity relationship studies on nitrofuranyl anti-tubercular agents. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 8042-53	3.4	41
124	Synthesis of new and potent analogues of anti-tuberculosis agent 5-nitro-furan-2-carboxylic acid 4-(4-benzyl-piperazin-1-yl)-benzylamide with improved bioavailability. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 2584-9	2.9	39
123	Covalent modification of the FAS-II dehydratase by Isoxyl and Thiacetazone. *ACS Infectious Diseases*, **2015**, 1, 91-97	5.5	38
122	N-substituted 3-acetyltetramic acid derivatives as antibacterial agents. *Journal of Medicinal Chemistry*, **2008**, 51, 1487-91	8.3	38
121	Structures of trehalose-6-phosphate phosphatase from pathogenic fungi reveal the mechanisms of substrate recognition and catalysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 7148-53	11.5	37
120	Nitrofurans as novel anti-tuberculosis agents: identification, development and evaluation. *Current Topics in Medicinal Chemistry*, **2007**, 7, 509-26	3	36
119	A therapeutic approach to pantothenate kinase associated neurodegeneration. *Nature Communications*, **2018**, 9, 4399	17.4	35
118	Activity-Independent Discovery of Secondary Metabolites Using Chemical Elicitation and Cheminformatic Inference. *ACS Chemical Biology*, **2015**, 10, 2616-23	4.9	34
117	Antitubercular nitrofuran isoxazolines with improved pharmacokinetic properties. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 6063-72	3.4	34
116	Novel acyl phosphate mimics that target PlsY, an essential acyltransferase in gram-positive bacteria. *ChemMedChem*, **2008**, 3, 1936-45	3.7	34
115	Detection of Mycolactone A/B in Mycobacterium ulcerans-Infected Human Tissue. *PLoS Neglected Tropical Diseases*, **2010**, 4, e577	4.8	33
114	Synthesis of beta-D-arabinofuranosyl-1-monophosphoryl polyprenols: examination of their function as mycobacterial arabinosyl transferase donors. *Bioorganic and Medicinal Chemistry Letters* , **1998**, 8, 951-4	2.9	33

113	In vitro and in vivo Evaluation of Synergism between Anti-Tubercular Spectinamides and Non-Classical Tuberculosis Antibiotics. *Scientific Reports*, **2015**, 5, 13985	4.9	32
112	A rapid approach to lipid profiling of mycobacteria using 2D HSQC NMR maps. *Journal of Lipid Research*, **2008**, 49, 455-63	6.3	32
111	The Structural and Functional Basis for Recurring Sulfa Drug Resistance Mutations in Dihydropteroate Synthase. *Frontiers in Microbiology*, **2018**, 9, 1369	5.7	31
110	Advancing Translational Science for Pulmonary Nontuberculous Mycobacterial Infections. A Road Map for Research. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 947-951	10.2	31
109	Topology and active site of PlsY: the bacterial acylphosphate:glycerol-3-phosphate acyltransferase. *Journal of Biological Chemistry*, **2007**, 282, 11339-46	5.4	30
108	Use of Selective Fungal Culture Media Increases Rates of Detection of Fungi in the Respiratory Tract of Cystic Fibrosis Patients. *Journal of Clinical Microbiology*, **2017**, 55, 1122-1130	9.7	29
107	Replacing sulfa drugs with novel DHPS inhibitors. *Future Medicinal Chemistry*, **2013**, 5, 1331-40	4.1	29
106	Pharmacokinetically-guided lead optimization of nitrofuranylamide anti-tuberculosis agents. *AAPS Journal*, **2008**, 10, 157-65	3.7	29
105	Metabolic activation of CaMKII by coenzyme A. *Molecular Cell*, **2013**, 52, 325-39	17.6	28
104	Characterization of the in vitro synthesized arabinan of mycobacterial cell walls. *Biochimica Et Biophysica Acta - General Subjects*, **1997**, 1335, 231-4	4	28
103	Biopharmaceutics, pharmacokinetics and pharmacodynamics of antituberculosis drugs. *Current Medicinal Chemistry*, **2008**, 15, 809-25	4.3	28
102	Production of white colonies on CHROMagar Candida medium by members of the Candida glabrata clade and other species with overlapping phenotypic traits. *Journal of Clinical Microbiology*, **2008**, 46, 3498-500	9.7	27
101	Solid-phase synthesis and biological evaluation of a uridinyl branched peptide urea library. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 6899-904	2.9	27
100	Evaluation of flavonoid and resveratrol chemical libraries reveals abyssinone II as a promising antibacterial lead. *ChemMedChem*, **2012**, 7, 1541-5	3.7	26
99	Potentiation of azole antifungals by 2-adamantanamine. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 3585-92	5.9	26
98	Synthesis and structure of mycolactone E isolated from frog mycobacterium. *Organic Letters*, **2008**, 10, 5385-8	6.2	26
97	Structure-Activity Relationships of Spectinamide Antituberculosis Agents: A Dissection of Ribosomal Inhibition and Native Efflux Avoidance Contributions. *ACS Infectious Diseases*, **2017**, 3, 72-88	5.5	25
96	Structure-based design of novel pyrimido[4,5-c]pyridazine derivatives as dihydropteroate synthase inhibitors with increased affinity. *ChemMedChem*, **2012**, 7, 861-70	3.7	24

95	The membrane as a target for controlling hypervirulent Clostridium difficile infections. *Journal of Antimicrobial Chemotherapy*, **2013**, 68, 806-15	5.1	24
94	A simple in vitro PK/PD model system to determine time-kill curves of drugs against Mycobacteria. *Tuberculosis*, **2009**, 89, 378-85	2.6	24
93	Methods for acquisition and assignment of multidimensional high-resolution magic angle spinning NMR of whole cell bacteria. *Analytical Chemistry*, **2005**, 77, 5785-92	7.8	24
92	A screen for and validation of prodrug antimicrobials. *Antimicrobial Agents and Chemotherapy*, **2014** , 58, 1410-9	5.9	23
91	Evaluation of analogs of reutericyclin as prospective candidates for treatment of staphylococcal skin infections. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 4028-31	5.9	23
90	Crystal structure of the anthrax drug target, Bacillus anthracis dihydrofolate reductase. *Journal of Medicinal Chemistry*, **2007**, 50, 4374-81	8.3	23
89	Chemical modulation of the biological activity of reutericyclin: a membrane-active antibiotic from Lactobacillus reuteri. *Scientific Reports*, **2014**, 4, 4721	4.9	22
88	Discovery, synthesis, and biological evaluation of piperidinol analogs with anti-tuberculosis activity. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 3588-94	3.4	22
87	Identification and characterization of an allosteric inhibitory site on dihydropteroate synthase. *ACS Chemical Biology*, **2014**, 9, 1294-302	4.9	21
86	Crystal structure of the 6-hydroxymethyl-7,8-dihydropterin pyrophosphokinase□dihydropteroate synthase bifunctional enzyme from Francisella tularensis. *PLoS ONE*, **2010**, 5, e14165	3.7	21
85	Reutericyclin and related analogues kill stationary phase Clostridium difficile at achievable colonic concentrations. *Journal of Antimicrobial Chemotherapy*, **2011**, 66, 1773-6	5.1	21
84	Mycolic acid biosynthesis: definition and targeting of the Claisen condensation step. *Lipids and Lipid Metabolism*, **1997**, 1346, 275-84		21
83	De Novo Design of Boron-Based Peptidomimetics as Potent Inhibitors of Human ClpP in the Presence of Human ClpX. *Journal of Medicinal Chemistry*, **2019**, 62, 6377-6390	8.3	19
82	Gastrointestinal localization of metronidazole by a lactobacilli-inspired tetramic acid motif improves treatment outcomes in the hamster model of Clostridium difficile infection. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 3061-9	5.1	19
81	Development of BODIPY FL vindoline as a novel and high-affinity pregnane X receptor fluorescent probe. *Bioconjugate Chemistry*, **2014**, 25, 1664-77	6.3	19
80	Pentacyclic nitrofurans with in vivo efficacy and activity against nonreplicating Mycobacterium tuberculosis. *PLoS ONE*, **2014**, 9, e87909	3.7	19
79	Spectinamides are effective partner agents for the treatment of tuberculosis in multiple mouse infection models. *Journal of Antimicrobial Chemotherapy*, **2017**, 72, 770-777	5.1	19
78	and Effects of a ClpP-Activating Antibiotic against Vancomycin-Resistant Enterococci. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	19

77	Exploiting a water network to achieve enthalpy-driven, bromodomain-selective BET inhibitors. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 25-36	3.4	18
76	Aminomethyl Spectinomycins as Therapeutics for Drug-Resistant Gonorrhea and Chlamydia Coinfections. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	17
75	Activation of Exogenous Fatty Acids to Acyl-Acyl Carrier Protein Cannot Bypass FabI Inhibition in Neisseria. *Journal of Biological Chemistry*, **2016**, 291, 171-81	5.4	17
74	Monocyte and macrophage activation by lipoteichoic Acid is independent of alanine and is potentiated by hemoglobin. *Journal of Immunology*, **2006**, 176, 5567-76	5.3	17
73	Allosteric Regulation of Mammalian Pantothenate Kinase. *Journal of Biological Chemistry*, **2016**, 291, 22302-22314	5.4	16
72	Translational PK/PD of anti-infective therapeutics. *Drug Discovery Today: Technologies*, **2016**, 21-22, 41-49	7.1	16
71	Synthesis and evaluation of pretomanid (PA-824) oxazolidinone hybrids. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 388-391	2.9	16
70	Solid-phase synthesis of a thymidinyl dipeptide urea library. *ACS Combinatorial Science*, **2007**, 9, 370-85		16
69	Acyl-sulfamates target the essential glycerol-phosphate acyltransferase (PlsY) in Gram-positive bacteria. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 4985-94	3.4	15
68	Applications of pharmacometrics in the clinical development and pharmacotherapy of anti-infectives. *Expert Review of Clinical Pharmacology*, **2013**, 6, 159-70	3.8	15
67	Analysis of Mycobacterium species for the presence of a macrolide toxin, mycolactone. *Infection and Immunity*, **2004**, 72, 123-32	3.7	15
66	Structural and Studies on Trehalose-6-Phosphate Synthase from Pathogenic Fungi Provide Insights into Its Catalytic Mechanism, Biological Necessity, and Potential for Novel Antifungal Drug Design. *MBio*, **2017**, 8,	7.8	14
65	Aminomethyl spectinomycins as therapeutics for drug-resistant respiratory tract and sexually transmitted bacterial infections. *Science Translational Medicine*, **2015**, 7, 288ra75	17.5	14
64	Characterization of inhibitors of specific carboxylesterases: development of carboxylesterase inhibitors for translational application. *Molecular Cancer Therapeutics*, **2004**, 3, 903-9	6.1	14
63	Design, synthesis and microbiological evaluation of ampicillin-tetramic acid hybrid antibiotics. *Journal of Antibiotics*, **2017**, 70, 65-72	3.7	13
62	Syntheses and evaluation of macrocyclic engelhardione analogs as antitubercular and antibacterial agents. *Journal of Antibiotics*, **2013**, 66, 319-25	3.7	13
61	Synthesis of bi-substrate state mimics of dihydropteroate synthase as potential inhibitors and molecular probes. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 1298-305	3.4	13
60	CINPA1 binds directly to constitutive androstane receptor and inhibits its activity. *Biochemical Pharmacology*, **2018**, 152, 211-223	6	12

59	Solid-Phase Synthesis and Antibacterial Activity of Cyclohexapeptide Wollamide B Analogs. *ACS Combinatorial Science*, **2018**, 20, 172-185	3.9	12
58	Ureadepsipeptides as ClpP Activators. *ACS Infectious Diseases*, **2019**, 5, 1915-1925	5.5	12
57	Novel Polyoxyethylene-Containing Glycolipids Are Synthesized in Corynebacterium matruchotii and Mycobacterium smegmatis Cultured in the Presence of Tween 80. *Journal of Lipids*, **2011**, 2011, 676535	2.7	12
56	Disseminated sporotrichosis following iatrogenic immunosuppression for suspected pyoderma gangrenosum. *Lancet Infectious Diseases, The*, **2019**, 19, e385-e391	25.5	11
55	Solid-phase synthesis development of a thymidinyl and 2?-deoxyuridinyl Ugi library for anti-bacterial agent screening. *Tetrahedron Letters*, **2005**, 46, 8497-8501	2	11
54	SB-224289 Antagonizes the Antifungal Mechanism of the Marine Depsipeptide Papuamide A. *PLoS ONE*, **2016**, 11, e0154932	3.7	11
53	New □lactam - Tetramic acid hybrids show promising antibacterial activities. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3105-3112	2.9	10
52	Development and Characterization of a Dry Powder Formulation for Anti-Tuberculosis Drug Spectinamide 1599. *Pharmaceutical Research*, **2019**, 36, 136	4.5	10
51	The identification, analysis and structure-based development of novel inhibitors of 6-hydroxymethyl-7,8-dihydropterin pyrophosphokinase. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 2157-65	3.4	10
50	Activation of a camptothecin prodrug by specific carboxylesterases as predicted by quantitative structure-activity relationship and molecular docking studies. *Molecular Cancer Therapeutics*, **2003**, 2, 1171-81	6.1	10
49	Bromodomain-Selective BET Inhibitors Are Potent Antitumor Agents against MYC-Driven Pediatric Cancer. *Cancer Research*, **2020**, 80, 3507-3518	10.1	9
48	Synthesis and evaluation of esters and carbamates to identify critical functional groups for esterase-specific metabolism. *Bioorganic and Medicinal Chemistry*, **2003**, 11, 3237-44	3.4	9
47	Discovery and Characterization of the Antimetabolite Action of Thioacetamide-Linked 1,2,3-Triazoles as Disruptors of Cysteine Biosynthesis in Gram-Negative Bacteria. *ACS Infectious Diseases*, **2020**, 6, 467-478	5.5	9
46	Novel Cassette Assay To Quantify the Outer Membrane Permeability of Five □Lactams Simultaneously in Carbapenem-Resistant and. *MBio*, **2020**, 11,	7.8	8
45	In vitro and in vivo activities of HPi1, a selective antimicrobial against Helicobacter pylori. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 3255-60	5.9	8
44	Development of a pterin-based fluorescent probe for screening dihydropteroate synthase. *Bioconjugate Chemistry*, **2011**, 22, 2110-7	6.3	8
43	A Fluorescent Probe for Detecting and Identifying Genes Critical for Cell Entry. *Frontiers in Microbiology*, **2016**, 7, 2021	5.7	8
42	The Isoniazid Metabolites Hydrazine and Pyridoxal Isonicotinoyl Hydrazone Modulate Heme Biosynthesis. *Toxicological Sciences*, **2019**, 168, 209-224	4.4	8

41	Pharmacophore Modeling, Synthesis, and Antibacterial Evaluation of Chalcones and Derivatives. *ACS Omega*, **2018**, 3, 18343-18360	3.9	8
40	Phase II Metabolic Pathways of Spectinamide Antitubercular Agents: A Comparative Study of the Reactivity of 4-Substituted Pyridines to Glutathione Conjugation. *MedChemComm*, **2016**, 7, 114-117	5	7
39	Development of an etoposide prodrug for dual prodrug-enzyme antitumor therapy. *Molecular Cancer Therapeutics*, **2006**, 5, 1577-84	6.1	7
38	Advances in Drug Discovery and Development for Pediatric Tuberculosis. *Mini-Reviews in Medicinal Chemistry*, **2016**, 16, 481-97	3.2	7
37	Phenyl-Glutarimides: Alternative Cereblon Binders for the Design of PROTACs. *Angewandte Chemie - International Edition*, **2021**, 60, 26663-26670	16.4	7
36	Synthesis and Evaluation of Thiazolidine Amide and N-Thiazolyl Amide Fluoroquinolone Derivatives. *Archiv Der Pharmazie*, **2017**, 350, e201700029	4.3	6
35	Comparative pharmacokinetics of spectinamide 1599 after subcutaneous and intrapulmonary aerosol administration in mice. *Tuberculosis*, **2019**, 114, 119-122	2.6	6
34	Identification of Small Molecules Exhibiting Oxacillin Synergy through a Novel Assay for Inhibition of Expression in Methicillin-Resistant Staphylococcus aureus. *Antimicrobial Agents and Chemotherapy*, **2019**, 63,	5.9	6
33	Aminomethyl spectinomycins: a novel antibacterial chemotype for biothreat pathogens. *Journal of Antibiotics*, **2019**, 72, 693-701	3.7	6
32	Synthesis and evaluation of colletoic acid core derivatives. *European Journal of Medicinal Chemistry*, **2016**, 110, 126-32	6.8	6
31	Discovery of novel bacterial elongation condensing enzyme inhibitors by virtual screening. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 2585-8	2.9	6
30	Fluid-Attenuated Inversion Recovery (FLAIR) Signal Intensity Can Identify Stroke Within 6 and 8 Hours. *Journal of Stroke and Cerebrovascular Diseases*, **2017**, 26, 1582-1587	2.8	5
29	Synthesis and antibacterial evaluation of macrocyclic diarylheptanoid derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 4070-6	2.9	5
28	Tissue Penetration of a Novel Spectinamide Antibiotic for the Treatment of Tuberculosis. *AAPS Journal*, **2016**, 18, 788-91	3.7	5
27	Pentacyclic nitrofurans that rapidly kill nifurtimox-resistant trypanosomes. *Journal of Antimicrobial Chemotherapy*, **2016**, 71, 956-63	5.1	5
26	Structural basis for substrate recognition and chemical inhibition of oncogenic MAGE ubiquitin ligases. *Nature Communications*, **2020**, 11, 4931	17.4	5
25	Evaluating and evolving a screening library in academia: the St Jude approach. *Drug Discovery Today* , **2021**, 26, 1060-1069	8.8	5
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