

# Robert A Bonomo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

309  
papers

17,215  
citations

65  
h-index

122  
g-index

357  
ext. papers

21,530  
ext. citations

6.7  
avg, IF

7.15  
L-index

#	Paper	IF	Citations
309	Inhibiting Mycobacterium abscessus Cell Wall Synthesis: Using a Novel Diazabicyclooctane $\beta$ -Lactamase Inhibitor To Augment $\beta$ -Lactam Action.. <i>MBio</i> , <b>2022</b> , e0352921	7.8	2
308	and sp. inhibit osseointegration of orthopaedic implants.. <i>Infection and Immunity</i> , <b>2022</b> , iai0066921	3.7	0
307	Accuracy of Direct Antimicrobial Susceptibility of Gram-Negative Bacteria From Positive Blood Cultures using MicroScan System and Value of Using Expert Rules for $\beta$ -Lactam Agents.. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2022</b> , aac0214821	5.9	0
306	Deciphering the evolution of metallo- $\beta$ -lactamases: a journey from the test tube to the bacterial periplasm.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101665	5.4	2
305	An Analysis of the Novel Fluorocycline TP-6076 Bound to Both the Ribosome and Multidrug Efflux Pump AdeJ from <i>Acinetobacter baumannii</i> .. <i>MBio</i> , <b>2022</b> , e0373221	7.8	1
304	Clinical challenges treating infections: an update.. <i>JAC-Antimicrobial Resistance</i> , <b>2022</b> , 4, dlac040	2.9	5
303	Discovery of an Effective Small-Molecule Allosteric Inhibitor of New Delhi Metallo- $\beta$ -Lactamase (NDM).. <i>ACS Infectious Diseases</i> , <b>2022</b> , 8, 811-824	5.5	1
302	Structural Characterization of the D179N and D179Y Variants of KPC-2 $\beta$ -Lactamase: $\beta$ -Loop Destabilization as a Mechanism of Resistance to Ceftazidime-Avibactam.. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2022</b> , e0241421	5.9	1
301	Accessory Genomes Drive Independent Spread of Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Clonal Groups 258 and 307 in Houston, TX.. <i>MBio</i> , <b>2022</b> , e0049722	7.8	2
300	Different Conformations Revealed by NMR Underlie Resistance to Ceftazidime/Avibactam and Susceptibility to Meropenem and Imipenem among D179Y Variants of KPC $\beta$ -Lactamase.. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2022</b> , e0212421	5.9	1
299	Human Serum Proteins and Susceptibility of to Cefiderocol: Role of Iron Transport.. <i>Biomedicines</i> , <b>2022</b> , 10,	4.8	2
298	Genomic heterogeneity underlies multidrug resistance in <i>Pseudomonas aeruginosa</i> : A population-level analysis beyond susceptibility testing.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0265129	3.7	0
297	Carbapenem-Resistant <i>Acinetobacter baumannii</i> in U.S. Hospitals: Diversification of Circulating Lineages and Antimicrobial Resistance.. <i>MBio</i> , <b>2022</b> , e0275921	7.8	0
296	Consensus on $\beta$ -Lactamase Nomenclature.. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2022</b> , e0033322	5.9	2
295	Imipenem/Relebactam Resistance in Clinical Isolates of Extensively Drug Resistant <i>Pseudomonas aeruginosa</i> : Inhibitor-Resistant $\beta$ -Lactamases and Their Increasing Importance.. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2022</b> , e0179021	5.9	
294	Carbapenemase-producing Enterobacterales in solid organ transplantation: Tip of the iceberg?. <i>Transplant Infectious Disease</i> , <b>2021</b> ,	2.7	0
293	European Society of clinical microbiology and infectious diseases (ESCMID) guidelines for the treatment of infections caused by Multidrug-resistant Gram-negative bacilli (endorsed by ESICM -European Society of intensive care Medicine).. <i>Clinical Microbiology and Infection</i> , <b>2021</b> ,	9.5	27

292	Infectious Diseases Society of America Guidance on the Treatment of AmpC $\beta$ -lactamase-Producing Enterobacterales, Carbapenem-Resistant <i>Acinetobacter baumannii</i> , and <i>Stenotrophomonas maltophilia</i> Infections. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	27
291	The BioWipe: a non-invasive method to detect intestinal carriage of multi-drug resistant gram-negative bacteria. <i>Journal of Chemotherapy</i> , <b>2021</b> , 1-3	2.3	1
290	Clinical outcomes and bacterial characteristics of carbapenem-resistant <i>Klebsiella pneumoniae</i> complex among patients from different global regions (CRACKLE-2): a prospective, multicentre, cohort study. <i>Lancet Infectious Diseases, The</i> , <b>2021</b> ,	25.5	9
289	Structural analysis of the boronic acid $\beta$ -lactamase inhibitor vaborbactam binding to <i>Pseudomonas aeruginosa</i> penicillin-binding protein 3. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258359	3.7	2
288	Desirability of Outcome Ranking for the Management of Antimicrobial Therapy (DOOR MAT): A Framework for Assessing Antibiotic Selection Strategies in the Presence of Drug Resistance. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, 344-350	11.6	6
287	Structural and Biochemical Characterization of the Novel CTX-M-151 Extended-Spectrum $\beta$ -lactamase and Its Inhibition by Avibactam. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65,	5.9	1
286	Carbapenem Use Is Driving the Evolution of Imipenemase 1 Variants. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65,	5.9	8
285	Allosteric communication in class A $\beta$ -lactamases occurs via cooperative coupling of loop dynamics. <i>ELife</i> , <b>2021</b> , 10,	8.9	18
284	Risk Factors for and Mechanisms of listin esistance Among nterobacterales: Getting at the CORE of the Issue. <i>Open Forum Infectious Diseases</i> , <b>2021</b> , 8, ofab145	1	0
283	Infectious Diseases Society of America Guidance on the Treatment of Extended-Spectrum $\beta$ -lactamase Producing Enterobacterales (ESBL-E), Carbapenem-Resistant Enterobacterales (CRE), and <i>Pseudomonas aeruginosa</i> with Difficult-to-Treat Resistance (DTR-P. <i>aeruginosa</i> ). <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, 1109-1116	11.6	58
282	Human Pleural Fluid and Human Serum Albumin Modulate the Behavior of a Hypervirulent and Multidrug-Resistant (MDR) Representative Strain. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	4
281	Monoclonal antibody requires immunomodulation for efficacy against <i>Acinetobacter baumannii</i> infection. <i>Journal of Infectious Diseases</i> , <b>2021</b> ,	7	1
280	Cryo-EM Determination of Eravacycline-Bound Structures of the Ribosome and the Multidrug Efflux Pump AdeJ of <i>Acinetobacter baumannii</i> . <i>MBio</i> , <b>2021</b> , 12, e0103121	7.8	6
279	Emergence of Resistance to Ceftazidime-Avibactam in a <i>Pseudomonas aeruginosa</i> Isolate Producing Derepressed in a Hollow-Fiber Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65,	5.9	2
278	Detection of mcr-1 gene in a clinical <i>Escherichia coli</i> strain in North Carolina: first report. <i>Journal of Global Antimicrobial Resistance</i> , <b>2021</b> , 25, 154-156	3.4	1
277	"One-Two Punch": Synergistic $\beta$ -lactam Combinations for <i>Mycobacterium abscessus</i> and Target Redundancy in the Inhibition of Peptidoglycan Synthesis Enzymes. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, 1532-1536	11.6	3
276	A comprehensive and contemporary "snapshot" of $\beta$ -lactamases in carbapenem resistant <i>Acinetobacter baumannii</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2021</b> , 99, 115242	2.9	8
275	Infectious Diseases Society of America Guidance on the Treatment of Extended-Spectrum $\beta$ -lactamase Producing Enterobacterales (ESBL-E), Carbapenem-Resistant Enterobacterales (CRE), and <i>Pseudomonas aeruginosa</i> with Difficult-to-Treat Resistance (DTR-P. <i>aeruginosa</i> ). <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e169-e183	11.6	105

274	Natural variants modify <i>Klebsiella pneumoniae</i> carbapenemase (KPC) acyl-enzyme conformational dynamics to extend antibiotic resistance. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100126	5.4	8
273	Cerebrospinal fluid (CSF) augments metabolism and virulence expression factors in <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , <b>2021</b> , 11, 4737	4.9	7
272	Structural Characterization of Diazabicyclooctane $\beta$ -Lactam "Enhancers" in Complex with Penicillin-Binding Proteins PBP2 and PBP3 of <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , <b>2021</b> , 12,	7.8	10
271	The urgent need for metallo- $\beta$ -lactamase inhibitors: an unattended global threat. <i>Lancet Infectious Diseases</i> , <i>The</i> , <b>2021</b> ,	25.5	23
270	Interaction of with Human Serum Albumin: Does the Host Determine the Outcome?. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	1
269	2-Mercaptomethyl Thiazolidines (MMTZs) Inhibit All Metallo- $\beta$ -Lactamase Classes by Maintaining a Conserved Binding Mode. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 2697-2706	5.5	8
268	A $\beta$ -Lactam siderophore antibiotic effective against multidrug-resistant <i>Pseudomonas aeruginosa</i> , <i>Klebsiella pneumoniae</i> , and <i>Acinetobacter</i> spp. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 220, 113436	6.8	8
267	Specific Protein-Membrane Interactions Promote Packaging of Metallo- $\beta$ -Lactamases into Outer Membrane Vesicles. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65, e0050721	5.9	2
266	Monoclonal Antibody Therapy against. <i>Infection and Immunity</i> , <b>2021</b> , 89, e0016221	3.7	2
265	On the Offensive: the Role of Outer Membrane Vesicles in the Successful Dissemination of New Delhi Metallo- $\beta$ -Lactamase (NDM-1). <i>MBio</i> , <b>2021</b> , 12, e0183621	7.8	4
264	The Role of Hydrophobic Nodes in the Dynamics of Class A $\beta$ -Lactamases. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 720991	5.7	2
263	Histone-like nucleoid-structuring protein (H-NS) regulatory role in antibiotic resistance in <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , <b>2021</b> , 11, 18414	4.9	1
262	Interplay between Meropenem and Human Serum Albumin on Expression of Carbapenem Resistance Genes and Natural Competence in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65, e0101921	5.9	4
261	2-Mercaptomethyl-thiazolidines use conserved aromatic-S interactions to achieve broad-range inhibition of metallo- $\beta$ -lactamases. <i>Chemical Science</i> , <b>2021</b> , 12, 2898-2908	9.4	7
260	OXA-23 $\beta$ -Lactamase Overexpression in <i>Acinetobacter baumannii</i> Drives Physiological Changes Resulting in New Genetic Vulnerabilities. <i>MBio</i> , <b>2021</b> , e0313721	7.8	0
259	Drug-Resistant Tuberculosis: A Glance at Progress and Global Challenges. <i>Infectious Disease Clinics of North America</i> , <b>2020</b> , 34, 863-886	6.5	5
258	Structural Insights into Ceftobiprole Inhibition of <i>Pseudomonas aeruginosa</i> Penicillin-Binding Protein 3. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	7
257	A $\beta$ -Lactam Siderophore Antibiotic Effective against Multidrug-Resistant Gram-Negative Bacilli. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 5990-6002	8.3	10

256	Carbapenemases: Transforming into a Yet More Dangerous Menace. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	49
255	Insights into the l,d-Transpeptidases and d,d-Carboxypeptidase of Mycobacterium abscessus: Ceftaroline, Imipenem, and Novel Diazabicyclooctane Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	8
254	Triazolylboronic Acids: A Promising Scaffold for Effective Inhibitors of KPCs. <i>ChemMedChem</i> , <b>2020</b> , 15, 1283-1288	3.7	1
253	Determining the optimal dosing of a novel combination regimen of ceftazidime/avibactam with aztreonam against NDM-1-producing Enterobacteriaceae using a hollow-fibre infection model. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 2622-2632	5.1	12
252	1,2,3-Triazolylmethaneboronate: A Structure Activity Relationship Study of a Class of $\beta$ -Lactamase Inhibitors against Cephalosporinase. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 1965-1975	5.5	8
251	Cryo-electron Microscopy Structure of the Acinetobacter baumannii 70S Ribosome and Implications for New Antibiotic Development. <i>MBio</i> , <b>2020</b> , 11,	7.8	20
250	Structures of FOX-4 Cephamycinase in Complex with Transition-State Analog Inhibitors. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	2
249	Molecular and clinical epidemiology of carbapenem-resistant Enterobacterales in the USA (CRACKLE-2): a prospective cohort study. <i>Lancet Infectious Diseases</i> , <b>2020</b> , 20, 731-741	25.5	59
248	Colistin resistance in China: from outer membrane to One Health. <i>Lancet Infectious Diseases</i> , <b>2020</b> , 20, 1106-1108	25.5	2
247	Shedding of multidrug-resistant gram-negative bacilli by colonized patients during procedures and patient care activities. <i>American Journal of Infection Control</i> , <b>2020</b> , 48, 1336-1340	3.8	3
246	Core genome MLST and resistome analysis of Klebsiella pneumoniae using a clinically amenable workflow. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2020</b> , 97, 114996	2.9	4
245	Distinct Mechanisms of Dissemination of NDM-1 Metallo- $\beta$ -Lactamase in Species in Argentina. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	10
244	A Standard Numbering Scheme for Class C $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	25
243	Monitoring Ceftazidime-Avibactam and Aztreonam Concentrations in the Treatment of a Bloodstream Infection Caused by a Multidrug-Resistant Enterobacter sp. Carrying Both Klebsiella pneumoniae Carbapenemase-4 and New Delhi Metallo- $\beta$ -Lactamase-1. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 1095-1096	11.6	34
242	Characterisation of ST25 NDM-1-producing Acinetobacter spp. strains leading the increase in NDM-1 emergence in Argentina. <i>Journal of Global Antimicrobial Resistance</i> , <b>2020</b> , 23, 108-110	3.4	3
241	Structural Insights into Inhibition of the Acinetobacter-Derived Cephalosporinase ADC-7 by Ceftazidime and Its Boronic Acid Transition State Analog. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	2
240	Efflux pumps as interventions to control infection caused by drug-resistance bacteria. <i>Drug Discovery Today</i> , <b>2020</b> , 25, 2307-2316	8.8	8
239	Overview: The Ongoing Threat of Antimicrobial Resistance. <i>Infectious Disease Clinics of North America</i> , <b>2020</b> , 34, 649-658	6.5	11

238	Resistance to Novel $\beta$ -Lactam- $\beta$ -Lactamase Inhibitor Combinations: The "Price of Progress". <i>Infectious Disease Clinics of North America</i> , <b>2020</b> , 34, 773-819	6.5	30
237	AbGRI4, a novel antibiotic resistance island in multiply antibiotic-resistant <i>Acinetobacter baumannii</i> clinical isolates. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 2760-2768	5.1	3
236	Genomic epidemiology of colistin-resistant <i>Escherichia coli</i> in China.. <i>Lancet Microbe, The</i> , <b>2020</b> , 1, e51-e52.2	5.2	1
235	Predicting $\beta$ -Lactam resistance using whole genome sequencing in <i>Klebsiella pneumoniae</i> : the challenge of $\beta$ -Lactamase inhibitors. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2020</b> , 98, 115149	2.9	1
234	The H-NS Regulator Plays a Role in the Stress Induced by Carbapenemase Expression in <i>Acinetobacter baumannii</i> . <i>MSphere</i> , <b>2020</b> , 5,	5	4
233	The Pitt Bacteremia Score Predicts Mortality in Nonbacteremic Infections. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 70, 1826-1833	11.6	29
232	Ceftolozane/Tazobactam vs Polymyxin or Aminoglycoside-based Regimens for the Treatment of Drug-resistant <i>Pseudomonas aeruginosa</i> . <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 304-310	11.6	63
231	ARGONAUT II Study of the Activity of Plazomicin against Carbapenemase-Producing <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	8
230	Evaluation of in vitro activity of ceftazidime/avibactam and ceftolozane/tazobactam against MDR <i>Pseudomonas aeruginosa</i> isolates from Qatar. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 3497-3504	5.1	13
229	A Multi-Centered Case-Case-Control Study of Factors Associated With <i>Klebsiella pneumoniae</i> Carbapenemase-Producing Enterobacteriaceae Infections in Children and Young Adults. <i>Pediatric Infectious Disease Journal</i> , <b>2019</b> , 38, 490-495	3.4	6
228	Antibiotic collateral sensitivity is contingent on the repeatability of evolution. <i>Nature Communications</i> , <b>2019</b> , 10, 334	17.4	80
227	A Primer on AmpC $\beta$ -Lactamases: Necessary Knowledge for an Increasingly Multidrug-resistant World. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, 1446-1455	11.6	61
226	Targeting Multidrug-Resistant spp.: Sulbactam and the Diazabicyclooctenone $\beta$ -Lactamase Inhibitor ETX2514 as a Novel Therapeutic Agent. <i>MBio</i> , <b>2019</b> , 10,	7.8	35
225	Rapid Replacement of <i>Acinetobacter baumannii</i> Strains Accompanied by Changes in Lipooligosaccharide Loci and Resistance Gene Repertoire. <i>MBio</i> , <b>2019</b> , 10,	7.8	16
224	Ceftazidime/Avibactam, Meropenem/Vaborbactam, or Both? Clinical and Formulary Considerations. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 519-524	11.6	88
223	Human Pleural Fluid Elicits Pyruvate and Phenylalanine Metabolism in to Enhance Cytotoxicity and Immune Evasion. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1581	5.7	12
222	Protein determinants of dissemination and host specificity of metallo- $\beta$ -Lactamases. <i>Nature Communications</i> , <b>2019</b> , 10, 3617	17.4	29
221	Identification of Potential Virulence Factors in the Model Strain A118. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1599	5.7	19

220	External validation of the INCREMENT-CPE mortality score in a carbapenem-resistant <i>Klebsiella pneumoniae</i> bacteraemia cohort: the prognostic significance of colistin resistance. <i>International Journal of Antimicrobial Agents</i> , <b>2019</b> , 54, 442-448	14.3	6
219	Identification of four patients with colistin-resistant <i>Escherichia coli</i> containing the mobile colistin resistance <i>mcr-1</i> gene from a single health system in Michigan. <i>Infection Control and Hospital Epidemiology</i> , <b>2019</b> , 40, 1059-1062	2	10
218	Natural history of <i>Acinetobacter baumannii</i> infection in mice. <i>PLoS ONE</i> , <b>2019</b> , 14, e0219824	3.7	14
217	Structural Insights into the Inhibition of the Extended-Spectrum $\beta$ -Lactamase PER-2 by Avibactam. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	7
216	Population Structure, Molecular Epidemiology, and $\beta$ -Lactamase Diversity among <i>Stenotrophomonas maltophilia</i> Isolates in the United States. <i>MBio</i> , <b>2019</b> , 10,	7.8	26
215	Cryo-Electron Microscopy Structure of an <i>Acinetobacter baumannii</i> Multidrug Efflux Pump. <i>MBio</i> , <b>2019</b> , 10,	7.8	38
214	Cefiderocol: A Novel Siderophore Cephalosporin Defeating Carbapenem-resistant Pathogens. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, S519-S520	11.6	22
213	Human pleural fluid triggers global changes in the transcriptional landscape of <i>Acinetobacter baumannii</i> as an adaptive response to stress. <i>Scientific Reports</i> , <b>2019</b> , 9, 17251	4.9	17
212	A Single Salt Bridge in VIM-20 Increases Protein Stability and Antibiotic Resistance under Low-Zinc Conditions. <i>MBio</i> , <b>2019</b> , 10,	7.8	13
211	H, C, and N backbone resonance assignments for KPC-2, a class A serine- $\beta$ -lactamase. <i>Biomolecular NMR Assignments</i> , <b>2019</b> , 13, 139-142	0.7	1
210	Interspecies DNA acquisition by a naturally competent <i>Acinetobacter baumannii</i> strain. <i>International Journal of Antimicrobial Agents</i> , <b>2019</b> , 53, 483-490	14.3	12
209	The Role of Trimethoprim/Sulfamethoxazole in the Treatment of Infections Caused by Carbapenem-Resistant. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, ofy351	1	10
208	The Reaction Mechanism of Metallo- $\beta$ -Lactamases Is Tuned by the Conformation of an Active-Site Mobile Loop. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	18
207	Human fluids alter DNA-acquisition in <i>Acinetobacter baumannii</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2019</b> , 93, 183-187	2.9	10
206	New Treatment Options against Carbapenem-Resistant Infections. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	112
205	ARGONAUT-I: Activity of Cefiderocol (S-649266), a Siderophore Cephalosporin, against Gram-Negative Bacteria, Including Carbapenem-Resistant Nonfermenters and with Defined Extended-Spectrum $\beta$ -Lactamases and Carbapenemases. <i>Antimicrobial Agents and Chemotherapy</i> ,	5.9	57
204	Rapid Molecular Diagnostics to Inform Empiric Use of Ceftazidime/Avibactam and Ceftolozane/Tazobactam Against <i>Pseudomonas aeruginosa</i> : PRIMERS IV. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 1823-1830	11.6	27
203	It's too soon to pull the plug on antibiotic cycling. <i>Lancet Infectious Diseases</i> , <b>2018</b> , 18, 493	25.5	1

202	The Continuing Challenge of Metallo- $\beta$ -Lactamase Inhibition: Mechanism Matters. <i>Trends in Pharmacological Sciences</i> , <b>2018</b> , 39, 635-647	13.2	83
201	Relebactam Is a Potent Inhibitor of the KPC-2 $\beta$ -Lactamase and Restores Imipenem Susceptibility in KPC-Producing Enterobacteriaceae. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2018</b> , 62,	5.9	51
200	Strategic Approaches to Overcome Resistance against Gram-Negative Pathogens Using $\beta$ -Lactamase Inhibitors and $\beta$ -Lactam Enhancers: Activity of Three Novel Diazabicyclooctanes WCK 5153, Zidebactam (WCK 5107), and WCK 4234. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 4067-4086	8.3	77
199	DISC: Describing Infections of the Spine treated with Ceftaroline. <i>Journal of Global Antimicrobial Resistance</i> , <b>2018</b> , 13, 146-151	3.4	5
198	New Molecular Diagnostic Approaches to Bacterial Infections and Antibacterial Resistance. <i>Annual Review of Medicine</i> , <b>2018</b> , 69, 379-394	17.4	43
197	Evaluation of Sensititre Broth Microdilution Plate for determining the susceptibility of carbapenem-resistant <i>Klebsiella pneumoniae</i> to polymyxins. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2018</b> , 91, 89-92	2.9	6
196	Molecular characterisation of carbapenem-resistant <i>Enterobacter cloacae</i> complex in Colombia: bla and the changing landscape. <i>Journal of Global Antimicrobial Resistance</i> , <b>2018</b> , 13, 184-189	3.4	4
195	Therapies for multidrug resistant and extensively drug-resistant non-fermenting gram-negative bacteria causing nosocomial infections: a perilous journey toward rationally targeted therapy. <i>Expert Review of Anti-Infective Therapy</i> , <b>2018</b> , 16, 89-110	5.5	39
194	Carbapenemase-Producing Organisms: A Global Scourge. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 66, 1290-1297	11.6	221
193	Probing the Interaction of Aspergillomarasmine A with Metallo- $\beta$ -Lactamases NDM-1, VIM-2, and IMP-7. <i>ACS Infectious Diseases</i> , <b>2018</b> , 4, 135-145	5.5	37
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