

# Yohei Doi

## List of Publications by Citations

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315  
papers

18,040  
citations

73  
h-index

125  
g-index

339  
ext. papers

22,270  
ext. citations

7.2  
avg, IF

7.1  
L-index

#	Paper	IF	Citations
315	Emergence of plasmid-mediated colistin resistance mechanism MCR-1 in animals and human beings in China: a microbiological and molecular biological study. <i>Lancet Infectious Diseases, The</i> , <b>2016</b> , 16, 161-8	35.5	2954
314	16S ribosomal RNA methylation: emerging resistance mechanism against aminoglycosides. <i>Clinical Infectious Diseases</i> , <b>2007</b> , 45, 88-94	11.6	492
313	The global epidemiology of carbapenemase-producing Enterobacteriaceae. <i>Virulence</i> , <b>2017</b> , 8, 460-469	4.7	405
312	Treatment outcome of bacteremia due to KPC-producing <i>Klebsiella pneumoniae</i> : superiority of combination antimicrobial regimens. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 2108-13	5.9	402
311	Colistin Versus Ceftazidime-Avibactam in the Treatment of Infections Due to Carbapenem-Resistant Enterobacteriaceae. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 66, 163-171	11.6	323
310	Clinical Outcomes, Drug Toxicity, and Emergence of Ceftazidime-Avibactam Resistance Among Patients Treated for Carbapenem-Resistant Enterobacteriaceae Infections. <i>Clinical Infectious Diseases</i> , <b>2016</b> , 63, 1615-1618	11.6	285
309	Effect of appropriate combination therapy on mortality of patients with bloodstream infections due to carbapenemase-producing Enterobacteriaceae (INCREMENT): a retrospective cohort study. <i>Lancet Infectious Diseases, The</i> , <b>2017</b> , 17, 726-734	25.5	268
308	Emergence of Ceftazidime-Avibactam Resistance Due to Plasmid-Borne Mutations during Treatment of Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Infections. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	245
307	Colistin-resistant <i>Acinetobacter baumannii</i> : beyond carbapenem resistance. <i>Clinical Infectious Diseases</i> , <b>2015</b> , 60, 1295-303	11.6	241
306	PCR typing of genetic determinants for metallo-beta-lactamases and integrases carried by gram-negative bacteria isolated in Japan, with focus on the class 3 integron. <i>Journal of Clinical Microbiology</i> , <b>2003</b> , 41, 5407-13	9.7	240
305	Ceftazidime-Avibactam Is Superior to Other Treatment Regimens against Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Bacteremia. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	239
304	Community-associated extended-spectrum beta-lactamase-producing <i>Escherichia coli</i> infection in the United States. <i>Clinical Infectious Diseases</i> , <b>2013</b> , 56, 641-8	11.6	232
303	Prevalence, risk factors, outcomes, and molecular epidemiology of mcr-1-positive Enterobacteriaceae in patients and healthy adults from China: an epidemiological and clinical study. <i>Lancet Infectious Diseases, The</i> , <b>2017</b> , 17, 390-399	25.5	219
302	Procalcitonin-Guided Use of Antibiotics for Lower Respiratory Tract Infection. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 236-249	59.2	217
301	Natural History of Asymptomatic SARS-CoV-2 Infection. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 885-886	59.2	177
300	Carbapenem-resistant and colistin-resistant <i>Escherichia coli</i> co-producing NDM-9 and MCR-1. <i>Lancet Infectious Diseases, The</i> , <b>2016</b> , 16, 288-9	25.5	175
299	Treatment Options for Carbapenem-resistant Gram-negative Bacterial Infections. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, S565-S575	11.6	173

298	Acquisition of 16S rRNA methylase gene in <i>Pseudomonas aeruginosa</i> . <i>Lancet, The</i> , <b>2003</b> , 362, 1888-93	40	173
297	Aminoglycoside Resistance: The Emergence of Acquired 16S Ribosomal RNA Methyltransferases. <i>Infectious Disease Clinics of North America</i> , <b>2016</b> , 30, 523-537	6.5	169
296	Ceftolozane-Tazobactam for the Treatment of Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Infections: Clinical Effectiveness and Evolution of Resistance. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 65, 110-120	11.6	167
295	<i>Acinetobacter baumannii</i> : evolution of antimicrobial resistance-treatment options. <i>Seminars in Respiratory and Critical Care Medicine</i> , <b>2015</b> , 36, 85-98	3.9	159
294	Plasmid-mediated 16S rRNA methylase in <i>Serratia marcescens</i> conferring high-level resistance to aminoglycosides. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 491-6	5.9	154
293	Efficacy and safety of cefiderocol or best available therapy for the treatment of serious infections caused by carbapenem-resistant Gram-negative bacteria (CREDIBLE-CR): a randomised, open-label, multicentre, pathogen-focused, descriptive, phase 3 trial. <i>Lancet Infectious Diseases, The</i> , <b>2021</b> , 21, 226-240	25.5	147
292	Treatment options for carbapenem-resistant and extensively drug-resistant <i>Acinetobacter baumannii</i> infections. <i>Drugs</i> , <b>2014</b> , 74, 1315-33	12.1	136
291	Normal development of mice and unimpaired cell adhesion/cell motility/actin-based cytoskeleton without compensatory up-regulation of ezrin or radixin in moesin gene knockout. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 2315-21	5.4	131
290	Carbapenemase-producing Enterobacteriaceae. <i>Seminars in Respiratory and Critical Care Medicine</i> , <b>2015</b> , 36, 74-84	3.9	130
289	CTX-M-15-D-ST648 <i>Escherichia coli</i> from companion animals and horses: another pandemic clone combining multiresistance and extraintestinal virulence?. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 1224-30	5.1	124
288	Unique structural modifications are present in the lipopolysaccharide from colistin-resistant strains of <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 4831-40	5.9	123
287	Practical methods using boronic acid compounds for identification of class C beta-lactamase-producing <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> . <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 2551-8	9.7	120
286	Genetic basis of multidrug resistance in <i>Acinetobacter baumannii</i> clinical isolates at a tertiary medical center in Pennsylvania. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 3837-43	5.9	118
285	Extended-spectrum and CMY-type beta-lactamase-producing <i>Escherichia coli</i> in clinical samples and retail meat from Pittsburgh, USA and Seville, Spain. <i>Clinical Microbiology and Infection</i> , <b>2010</b> , 16, 33-8	9.5	115
284	Rational design of engineered cationic antimicrobial peptides consisting exclusively of arginine and tryptophan, and their activity against multidrug-resistant pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2511-21	5.9	113
283	Global spread of multiple aminoglycoside resistance genes. <i>Emerging Infectious Diseases</i> , <b>2005</b> , 11, 951-3	10.2	112
282	New Treatment Options against Carbapenem-Resistant Infections. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	112
281	Colistin and its role in the Era of antibiotic resistance: an extended review (2000-2019). <i>Emerging Microbes and Infections</i> , <b>2020</b> , 9, 868-885	18.9	111

280	Are susceptibility tests enough, or should laboratories still seek ESBLs and carbapenemases directly?. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2012</b> , 67, 1569-77	5.1	111
279	The ecology of extended-spectrum $\beta$ -lactamases (ESBLs) in the developed world. <i>Journal of Travel Medicine</i> , <b>2017</b> , 24, S44-S51	12.9	110
278	Predatory bacteria: a potential ally against multidrug-resistant Gram-negative pathogens. <i>PLoS ONE</i> , <b>2013</b> , 8, e63397	3.7	107
277	Active and passive immunization protects against lethal, extreme drug resistant-Acinetobacter baumannii infection. <i>PLoS ONE</i> , <b>2012</b> , 7, e29446	3.7	106
276	Colistin-resistant, Klebsiella pneumoniae carbapenemase (KPC)-producing Klebsiella pneumoniae belonging to the international epidemic clone ST258. <i>Clinical Infectious Diseases</i> , <b>2011</b> , 53, 373-6	11.6	104
275	PCR classification of CTX-M-type beta-lactamase genes identified in clinically isolated gram-negative bacilli in Japan. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 791-5	5.9	104
274	Molecular epidemiology of CTX-M-producing Escherichia coli isolates at a tertiary medical center in western Pennsylvania. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2009</b> , 53, 4733-9	5.9	103
273	Simple disk-based method for detection of Klebsiella pneumoniae carbapenemase-type beta-lactamase by use of a boronic acid compound. <i>Journal of Clinical Microbiology</i> , <b>2008</b> , 46, 4083-6	9.7	103
272	Colistin Resistance in Carbapenem-Resistant Klebsiella pneumoniae: Laboratory Detection and Impact on Mortality. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 64, 711-718	11.6	100
271	A step closer to extreme drug resistance (XDR) in gram-negative bacilli. <i>Clinical Infectious Diseases</i> , <b>2007</b> , 45, 1179-81	11.6	99
270	A Prospective, Randomized, Open-Label Trial of Early versus Late Favipiravir Therapy in Hospitalized Patients with COVID-19. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	99
269	Novel plasmid-mediated 16S rRNA methylase, RmtC, found in a proteus mirabilis isolate demonstrating extraordinary high-level resistance against various aminoglycosides. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 178-84	5.9	96
268	Dissemination of the mcr-1 colistin resistance gene. <i>Lancet Infectious Diseases</i> , <b>2016</b> , 16, 292-3	25.5	92
267	Molecular epidemiology of carbapenem-nonsusceptible Acinetobacter baumannii in the United States. <i>Journal of Clinical Microbiology</i> , <b>2011</b> , 49, 3849-54	9.7	91
266	Carbapenem-Resistant Enterobacteriaceae. <i>Clinics in Laboratory Medicine</i> , <b>2017</b> , 37, 303-315	2.1	90
265	Epidemiology and molecular characterization of bacteremia due to carbapenem-resistant Klebsiella pneumoniae in transplant recipients. <i>American Journal of Transplantation</i> , <b>2013</b> , 13, 2619-33	8.7	88
264	Coproduction of novel 16S rRNA methylase RmtD and metallo-beta-lactamase SPM-1 in a panresistant Pseudomonas aeruginosa isolate from Brazil. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 852-6	5.9	88
263	Widespread Fosfomycin Resistance in Gram-Negative Bacteria Attributable to the Chromosomal Gene. <i>MBio</i> , <b>2017</b> , 8,	7.8	87

262	Possible Transmission of mcr-1-Harboring Escherichia coli between Companion Animals and Human. <i>Emerging Infectious Diseases</i> , <b>2016</b> , 22, 1679-81	10.2	86
261	A novel apoptosis-inducing protein from Helicobacter pylori. <i>Molecular Microbiology</i> , <b>2003</b> , 47, 443-51	4.1	85
260	Escherichia coli producing CTX-M-2 beta-lactamase in cattle, Japan. <i>Emerging Infectious Diseases</i> , <b>2004</b> , 10, 69-75	10.2	84
259	Carbapenem-resistant Klebsiella pneumoniae strains exhibit diversity in aminoglycoside-modifying enzymes, which exert differing effects on plazomicin and other agents. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 4443-51	5.9	82
258	Extensively drug-resistant Acinetobacter baumannii. <i>Emerging Infectious Diseases</i> , <b>2009</b> , 15, 980-2	10.2	82
257	Gram-Negative Bacterial Infections: Research Priorities, Accomplishments, and Future Directions of the Antibacterial Resistance Leadership Group. <i>Clinical Infectious Diseases</i> , <b>2017</b> , 64, S30-S35	11.6	78
256	Engineered cationic antimicrobial peptides to overcome multidrug resistance by ESKAPE pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 1329-33	5.9	78
255	Fosfomycin: Resurgence of an old companion. <i>Journal of Infection and Chemotherapy</i> , <b>2016</b> , 22, 273-80	2.2	78
254	508. Gentamicin Non-susceptibility is Associated with Persistence of Carbapenem-Resistant Klebsiella pneumoniae in the Urinary Tract. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, S246-S246	1	78
253	622. The Accessory Genome in Enterococcal Bacteremia: Results from the Vancomycin-Resistant Enterococcal Bacteremia Outcomes Study (VENOUS). <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, S289-S289 <sup>1</sup>		78
252	630. Clinical and Molecular Characteristics of Carbapenem-Resistant Enterobacteriaceae in Qatar: A Retrospective and Prospective Observational Study. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, S292-S292 <sup>1</sup>	1	78
251	2282. Empiric Antimicrobial Therapy and Clinical Outcomes of Infections due to ESBL-producing Klebsiella pneumoniae. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, S781-S782	1	78
250	605. Identification of a Novel CMY-Variant Enzyme in a Clinical Escherichia coli Strain with Treatment-Emergent Ceftazidime-Avibactam Resistance. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, S283-S283 <sup>1</sup>		78
249	1180. Addition of Chronic Kidney Disease Status to Pitt Bacteremia Score Improves Prediction of Mortality in Patients With Carbapenem-Resistant Enterobacteriaceae Infections. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, S356-S357	1	78
248	2065. Whole Genome Sequencing for Antimicrobial Resistance Prediction in MRSA and VRE: A Real-world Application. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, S603-S603	1	78
247	Interspecies spread of Klebsiella pneumoniae carbapenemase gene in a single patient. <i>Clinical Infectious Diseases</i> , <b>2009</b> , 49, 1736-8	11.6	77
246	Spectrum of excess mortality due to carbapenem-resistant Klebsiella pneumoniae infections. <i>Clinical Microbiology and Infection</i> , <b>2016</b> , 22, 513-9	9.5	76
245	Outer membrane protein changes and efflux pump expression together may confer resistance to ertapenem in Enterobacter cloacae. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 2833-5	5.9	76

244	Synthesis of variously oxidized abietane diterpenes and their antibacterial activities against MRSA and VRE. <i>Bioorganic and Medicinal Chemistry</i> , <b>2001</b> , 9, 347-56	3.4	75
243	Emergence of the Plasmid-Mediated mcr-1 Gene in Colistin-Resistant <i>Enterobacter aerogenes</i> and <i>Enterobacter cloacae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 3862-3	5.9	74
242	Structural Modification of Lipopolysaccharide Conferred by in Gram-Negative ESKAPE Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	73
241	Mutations of the ompK36 porin gene and promoter impact responses of sequence type 258, KPC-2-producing <i>Klebsiella pneumoniae</i> strains to doripenem and doripenem-colistin. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 5258-65	5.9	73
240	<i>Pseudomonas aeruginosa</i> utilizes host polyunsaturated phosphatidylethanolamines to trigger theft-ferroptosis in bronchial epithelium. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 4639-4653	15.9	71
239	Coproduction of 16S rRNA methyltransferase RmtD or RmtG with KPC-2 and CTX-M group extended-spectrum $\beta$ lactamases in <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2397-400	5.9	70
238	Clinical outcomes of hospital-acquired infection with <i>Acinetobacter nosocomialis</i> and <i>Acinetobacter pittii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 4172-9	5.9	66
237	A Predictive Model of Mortality in Patients With Bloodstream Infections due to Carbapenemase-Producing Enterobacteriaceae. <i>Mayo Clinic Proceedings</i> , <b>2016</b> , 91, 1362-1371	6.4	66
236	Therapy of Infections due to Carbapenem-Resistant Gram-Negative Pathogens. <i>Infection and Chemotherapy</i> , <b>2014</b> , 46, 149-64	3.9	65
235	Proposal for assignment of allele numbers for mobile colistin resistance (mcr) genes. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 2625-2630	5.1	64
234	High mortality rates among solid organ transplant recipients infected with extensively drug-resistant <i>Acinetobacter baumannii</i> : using in vitro antibiotic combination testing to identify the combination of a carbapenem and colistin as an effective treatment regimen. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2011</b> , 70, 246-52	2.9	63
233	Detection of plasmid-mediated class C beta-lactamases. <i>International Journal of Infectious Diseases</i> , <b>2007</b> , 11, 191-7	10.5	63
232	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
231	Molecular and clinical epidemiology of carbapenem-resistant Enterobacteriales in the USA (CRACKLE-2): a prospective cohort study. <i>Lancet Infectious Diseases</i> , <b>2020</b> , 20, 731-741	25.5	59
230	An "Unlikely" Pair: The Antimicrobial Synergy of Polymyxin B in Combination with the Cystic Fibrosis Transmembrane Conductance Regulator Drugs KALYDECO and ORKAMBI. <i>ACS Infectious Diseases</i> , <b>2016</b> , 2, 478-88	5.5	57
229	Identification of 16S rRNA methylase-producing <i>Acinetobacter baumannii</i> clinical strains in North America. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 4209-10	5.9	57
228	Activities of vancomycin-containing regimens against colistin-resistant <i>Acinetobacter baumannii</i> clinical strains. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2103-8	5.9	56
227	Nosocomial spread of ceftazidime-resistant <i>Klebsiella pneumoniae</i> strains producing a novel class a beta-lactamase, GES-3, in a neonatal intensive care unit in Japan. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 1960-7	5.9	56

226	Molecular characterization of a cephamycin-hydrolyzing and inhibitor-resistant class A beta-lactamase, GES-4, possessing a single G170S substitution in the omega-loop. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 2905-10	5.9	56
225	Genomic Epidemiology of an Endoscope-Associated Outbreak of Klebsiella pneumoniae Carbapenemase (KPC)-Producing K. pneumoniae. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144310	3.7	55
224	High prevalence of CTX-M-15-producing Klebsiella pneumoniae among inpatients and outpatients with urinary tract infection in Southern India. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2008</b> , 61, 1393-4	5.1	53
223	Risk factors and outcome of extended-spectrum beta-lactamase-producing Enterobacter cloacae bloodstream infections. <i>International Journal of Antimicrobial Agents</i> , <b>2011</b> , 37, 26-32	14.3	51
222	Multiclonal outbreak of Klebsiella pneumoniae producing extended-spectrum beta-lactamase CTX-M-2 and novel variant CTX-M-59 in a neonatal intensive care unit in Brazil. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 1790-3	5.9	51
221	Co-production of NDM-1 and OXA-232 by Klebsiella pneumoniae. <i>Emerging Infectious Diseases</i> , <b>2014</b> , 20, 163-5	10.2	51
220	Characterization of a novel plasmid-mediated cephalosporinase (CMY-9) and its genetic environment in an Escherichia coli clinical isolate. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2002</b> , 46, 2427-34	5.9	50
219	Whole-genome assembly of Klebsiella pneumoniae coproducing NDM-1 and OXA-232 carbapenemases using single-molecule, real-time sequencing. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 5947-53	5.9	49
218	Genetic environments of the rmtA gene in Pseudomonas aeruginosa clinical isolates. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 2069-74	5.9	49
217	Extended-spectrum AmpC cephalosporinase in Acinetobacter baumannii: ADC-56 confers resistance to cefepime. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 4922-5	5.9	48
216	Features of infections due to Klebsiella pneumoniae carbapenemase-producing Escherichia coli: emergence of sequence type 131. <i>Clinical Infectious Diseases</i> , <b>2012</b> , 55, 224-31	11.6	48
215	Polymorphism of the angiotensin-converting enzyme (ACE) gene in patients with thrombotic brain infarction. <i>Atherosclerosis</i> , <b>1997</b> , 132, 145-50	3.1	48
214	Emergence of in Raoultella ornithinolytica and Escherichia coli Isolates from Retail Vegetables in China. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	47
213	Aerosolization of Acinetobacter baumannii in a trauma ICU*. <i>Critical Care Medicine</i> , <b>2013</b> , 41, 1915-8	1.4	47
212	Novel 16S rRNA methyltransferase RmtH produced by Klebsiella pneumoniae associated with war-related trauma. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2413-6	5.9	47
211	Characterization of porin expression in Klebsiella pneumoniae Carbapenemase (KPC)-producing K. pneumoniae identifies isolates most susceptible to the combination of colistin and carbapenems. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2147-53	5.9	45
210	High prevalence of metallo-beta-lactamase and 16S rRNA methylase coproduction among imipenem-resistant Pseudomonas aeruginosa isolates in Brazil. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 3388-90	5.9	45
209	Apoptotic signaling pathway activated by Helicobacter pylori infection and increase of apoptosis-inducing activity under serum-starved conditions. <i>Infection and Immunity</i> , <b>2001</b> , 69, 3181-9	3.7	45

208	mcr-1-Harboring <i>Salmonella enterica</i> Serovar Typhimurium Sequence Type 34 in Pigs, China. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 291-295	10.2	43
207	Clinical features and molecular epidemiology of CMY-type beta-lactamase-producing <i>Escherichia coli</i> . <i>Clinical Infectious Diseases</i> , <b>2009</b> , 48, 739-44	11.6	43
206	Early Experience With Meropenem-Vaborbactam for Treatment of Carbapenem-resistant Enterobacteriaceae Infections. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 667-671	11.6	42
205	Effects of KPC Variant and Porin Genotype on the Activity of Meropenem-Vaborbactam against Carbapenem-Resistant. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	42
204	Enhanced therapeutic index of an antimicrobial peptide in mice by increasing safety and activity against multidrug-resistant bacteria. <i>Science Advances</i> , <b>2020</b> , 6, eaay6817	14.3	41
203	High Rates of Human Fecal Carriage of mcr-1-Positive Multidrug-Resistant Enterobacteriaceae Emerge in China in Association With Successful Plasmid Families. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 66, 676-685	11.6	41
202	Characterisation of clinical and food animal <i>Escherichia coli</i> isolates producing CTX-M-15 extended-spectrum beta-lactamase belonging to ST410 phylogroup A. <i>International Journal of Antimicrobial Agents</i> , <b>2011</b> , 37, 365-7	14.3	41
201	Spread of novel aminoglycoside resistance gene aac(6)Iad among <i>Acinetobacter</i> clinical isolates in Japan. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 2075-80	5.9	41
200	Respiratory Microbiome Profiling for Etiologic Diagnosis of Pneumonia in Mechanically Ventilated Patients. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1413	5.7	39
199	Structural modification of LPS in colistin-resistant, KPC-producing <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 3035-3042	5.1	39
198	Carbapenems versus alternative antibiotics for the treatment of bloodstream infections caused by <i>Enterobacter</i> , <i>Citrobacter</i> or <i>Serratia</i> species: a systematic review with meta-analysis. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 296-306	5.1	38
197	Identification of the ESKAPE pathogens by mass spectrometric analysis of microbial membrane glycolipids. <i>Scientific Reports</i> , <b>2017</b> , 7, 6403	4.9	38
196	Enhancing resistance to cephalosporins in class C beta-lactamases: impact of Gly214Glu in CMY-2. <i>Biochemistry</i> , <b>2010</b> , 49, 1014-23	3.2	38
195	Community-acquired extended-spectrum beta-lactamase producers, United States. <i>Emerging Infectious Diseases</i> , <b>2007</b> , 13, 1121-3	10.2	38
194	Inhibitor-sensitive AmpC beta-lactamase variant produced by an <i>Escherichia coli</i> clinical isolate resistant to oxyiminocephalosporins and cephamycins. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 2652-8	5.9	38
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192	Dynamics of mcr-1 prevalence and mcr-1-positive <i>Escherichia coli</i> after the cessation of colistin use as a feed additive for animals in China: a prospective cross-sectional and whole genome sequencing-based molecular epidemiological study.. <i>Lancet Microbe, The</i> , <b>2020</b> , 1, e34-e43	22.2	36
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187	Fosfomycin Resistance in <i>Escherichia coli</i> , Pennsylvania, USA. <i>Emerging Infectious Diseases</i> , <b>2015</b> , 21, 2045-2	16.2	35
186	Association between the Presence of Aminoglycoside-Modifying Enzymes and In Vitro Activity of Gentamicin, Tobramycin, Amikacin, and Plazomicin against <i>Klebsiella pneumoniae</i> Carbapenemase- and Extended-Spectrum- $\beta$ -Lactamase-Producing Enterobacter Species. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 5208-14	5.9	34
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167	The Pitt Bacteremia Score Predicts Mortality in Nonbacteremic Infections. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 70, 1826-1833	11.6	29
166	Nomenclature of plasmid-mediated 16S rRNA methylases responsible for panaminoglycoside resistance. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 2287-8	5.9	28
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163	CTX-M-2-producing <i>Salmonella</i> Typhimurium isolated from pediatric patients and poultry in Brazil. <i>Microbial Drug Resistance</i> , <b>2009</b> , 15, 317-21	2.9	27
162	Clinical Evolution of AmpC-Mediated Ceftazidime-Avibactam and Cefiderocol Resistance in <i>Enterobacter cloacae</i> Complex Following Exposure to Cefepime. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 2713-2716	11.6	25
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