

# Thierry Naas

## List of Publications by Year in descending order

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272  
papers

17,390  
citations

19657

61  
h-index

17592

121  
g-index

281  
all docs

281  
docs citations

281  
times ranked

11424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Spread of Carbapenemase-producing <i>Enterobacteriaceae</i> . <i>Emerging Infectious Diseases</i> , 2011, 17, 1791-1798.	4.3	1,923
2	The real threat of <i>Klebsiella pneumoniae</i> carbapenemase-producing bacteria. <i>Lancet Infectious Diseases</i> , The, 2009, 9, 228-236.	9.1	1,334
3	Diversity, Epidemiology, and Genetics of Class D $\beta$ -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 24-38.	3.2	546
4	Characterization of VIM-2, a Carbapenem-Hydrolyzing Metallo- $\beta$ -Lactamase and Its Plasmid- and Integron-Borne Gene from a <i>Pseudomonas aeruginosa</i> Clinical Isolate in France. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 891-897.	3.2	512
5	Genetic Structures at the Origin of Acquisition of the $\beta$ -Lactamase <i>bla</i> <sub>KPC</sub> Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1257-1263.	3.2	450
6	The role of whole genome sequencing in antimicrobial susceptibility testing of bacteria: report from the EUCAST Subcommittee. <i>Clinical Microbiology and Infection</i> , 2017, 23, 2-22.	6.0	428
7	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</i> , The, 2021, 21, 226-240.	9.1	411
8	Beta-lactamase database (BLDB) – structure and function. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 917-919.	5.2	405
9	Biochemical Sequence Analyses of GES-1, a Novel Class A Extended-Spectrum $\beta$ -Lactamase, and the Class 1 Integron In52 from <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 622-632.	3.2	397
10	Worldwide Dissemination of the <i>bla</i> <sub>OXA-23</sub> Carbapenemase Gene of <i>Acinetobacter baumannii</i> 1. <i>Emerging Infectious Diseases</i> , 2009, 16, 35-40.	4.3	358
11	Worldwide Diversity of <i>Klebsiella pneumoniae</i> That Produce $\beta$ -Lactamase <i>bla</i> <sub>KPC-2</sub> Gene1. <i>Emerging Infectious Diseases</i> , 2010, 16, 1349-1356.	4.3	277
12	<i>Escherichia coli</i> : an old friend with new tidings. <i>FEMS Microbiology Reviews</i> , 2016, 40, 437-463.	8.6	225
13	Molecular and Biochemical Characterization of VEB-1, a Novel Class A Extended-Spectrum $\beta$ -Lactamase Encoded by an <i>Escherichia coli</i> Integron Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 573-581.	3.2	221
14	GES-2, a Class A $\beta$ -Lactamase from <i>Pseudomonas aeruginosa</i> with Increased Hydrolysis of Imipenem. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 2598-2603.	3.2	201
15	Genetics and Expression of the Carbapenem-Hydrolyzing Oxacillinase Gene <i>bla</i> OXA-23 in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1530-1533.	3.2	199
16	Characterization of In53, a Class 1 Plasmid- and Composite Transposon-Located Integron of <i>Escherichia coli</i> Which Carries an Unusual Array of Gene Cassettes. <i>Journal of Bacteriology</i> , 2001, 183, 235-249.	2.2	198
17	Superbugs in the coming new decade; multidrug resistance and prospects for treatment of <i>Staphylococcus aureus</i> , <i>Enterococcus</i> spp. and <i>Pseudomonas aeruginosa</i> in 2010. <i>Current Opinion in Microbiology</i> , 2007, 10, 436-440.	5.1	197
18	Outbreak of OXA-48-Positive Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Isolates in France. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 2420-2423.	3.2	173

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19	Plasmid-Mediated Carbapenem-Hydrolyzing $\hat{1}^2$ -Lactamase KPC in a <i>Klebsiella pneumoniae</i> Isolate from France. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 4423-4424.	3.2	170
20	Functional Characterization of Tn <i>4401</i> , a Tn <i>3</i> -Based Transposon Involved in <i>bla</i> <sub>KPC</sub> Gene Mobilization. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5370-5373.	3.2	162
21	A multiplex lateral flow immunoassay for the rapid identification of NDM-, KPC-, IMP- and VIM-type and OXA-48-like carbapenemase-producing Enterobacteriaceae. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 909-915.	3.0	162
22	Biochemical Characterization of the Naturally Occurring Oxacillinase OXA-50 of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2043-2048.	3.2	144
23	Molecular and Biochemical Heterogeneity of Class B Carbapenem-Hydrolyzing $\hat{1}^2$ -Lactamases in <i>Chryseobacterium meningosepticum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 1878-1886.	3.2	139
24	Evaluation of a DNA microarray for the rapid detection of extended-spectrum $\hat{A}$ -lactamases (TEM, SHV) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 67, 1865-1869.	3.0	139
25	CTX-M-Type Extended-Spectrum $\hat{1}^2$ -Lactamase That Hydrolyzes Ceftazidime through a Single Amino Acid Substitution in the Omega Loop. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 3355-3361.	3.2	135
26	Clinical bacteriology in low-resource settings: today's solutions. <i>Lancet Infectious Diseases</i> , The, 2018, 18, e248-e258.	9.1	125
27	Antimicrobial Peptides: A Potent Alternative to Antibiotics. <i>Antibiotics</i> , 2021, 10, 1095.	3.7	125
28	Structural and Functional Aspects of Class A Carbapenemases. <i>Current Drug Targets</i> , 2016, 17, 1006-1028.	2.1	115
29	Evaluation of a DNA Microarray (Check-MDR CT102) for Rapid Detection of TEM, SHV, and CTX-M Extended-Spectrum $\hat{1}^2$ -Lactamases and of KPC, OXA-48, VIM, IMP, and NDM-1 Carbapenemases. <i>Journal of Clinical Microbiology</i> , 2011, 49, 1608-1613.	3.9	113
30	OXA-28, an Extended-Spectrum Variant of OXA-10 $\hat{1}^2$ -Lactamase from <i>Pseudomonas aeruginosa</i> and Its Plasmid- and Integron-Located Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 447-453.	3.2	112
31	Cloning, Sequence Analyses, Expression, and Distribution of <i>ampC-ampR</i> from <i>Morganella morganii</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 769-776.	3.2	111
32	Functional Characterization of IS 1999, an IS 4 Family Element Involved in Mobilization and Expression of $\hat{1}^2$ -Lactam Resistance Genes. <i>Journal of Bacteriology</i> , 2006, 188, 6506-6514.	2.2	111
33	Evaluation of the RAPIDEC <sup>®</sup> CARBA NP, the Rapid CARB Screen <sup>®</sup> and the Carba NP test for biochemical detection of carbapenemase-producing Enterobacteriaceae. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 3014-3022.	3.0	110
34	An SHV-Derived Extended-Spectrum $\hat{1}^2$ -Lactamase in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 1281-1284.	3.2	108
35	Role of IS <i>Kpn7</i> and Deletions in <i>bla</i> <sub>KPC</sub> Gene Expression. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4753-4759.	3.2	107
36	Efficient Detection of Carbapenemase Activity in Enterobacteriaceae by Matrix-Assisted Laser Desorption Ionization~Time of Flight Mass Spectrometry in Less Than 30 Minutes. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2163-2171.	3.9	105

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37	Molecular characterization of In50, a class 1 integron encoding the gene for the extended-spectrum $\beta$ -lactamase VEB-1 in <i>Pseudomonas aeruginosa</i> . FEMS Microbiology Letters, 1999, 176, 411-419.	1.8	104
38	VEB-1 Extended-Spectrum $\beta$ -lactamase-producing <i>Acinetobacter baumannii</i> , France. Emerging Infectious Diseases, 2006, 12, 1214-1222.	4.3	102
39	Outbreak of Carbapenem-Resistant <i>Acinetobacter baumannii</i> Producing the Carbapenemase OXA-23 in a Tertiary Care Hospital of Papeete, French Polynesia. Journal of Clinical Microbiology, 2005, 43, 4826-4829.	3.9	100
40	Emergence of PER and VEB extended-spectrum $\beta$ -lactamases in <i>Acinetobacter baumannii</i> in Belgium. Journal of Antimicrobial Chemotherapy, 2006, 58, 178-182.	3.0	98
41	Nosocomial Spread of the Integron-Located veb-1-Like Cassette Encoding an Extended-Spectrum $\beta$ -Lactamase in <i>Pseudomonas aeruginosa</i> in Thailand. Clinical Infectious Diseases, 2002, 34, 603-611.	5.8	94
42	Regional Occurrence of Plasmid-Mediated Carbapenem-Hydrolyzing Oxacillinase OXA-58 in <i>Acinetobacter</i> spp. in Europe. Journal of Clinical Microbiology, 2005, 43, 4885-4888.	3.9	93
43	Aztreonam plus Clavulanate, Tazobactam, or Avibactam for Treatment of Infections Caused by Metallo- $\beta$ -Lactamase-Producing Gram-Negative Bacteria. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	92
44	Plasmid-Mediated Carbapenem-Hydrolyzing $\beta$ -Lactamase KPC-2 in <i>Klebsiella pneumoniae</i> Isolate from Greece. Antimicrobial Agents and Chemotherapy, 2008, 52, 796-797.	3.2	88
45	Real-Time PCR for Detection of NDM-1 Carbapenemase Genes from Spiked Stool Samples. Antimicrobial Agents and Chemotherapy, 2011, 55, 4038-4043.	3.2	83
46	Identification of CTX-M-Type Extended-Spectrum $\beta$ -Lactamase Genes Using Real-Time PCR and Pyrosequencing. Antimicrobial Agents and Chemotherapy, 2007, 51, 223-230.	3.2	82
47	GES Extended-Spectrum $\beta$ -Lactamases in <i>Acinetobacter baumannii</i> Isolates in Belgium. Antimicrobial Agents and Chemotherapy, 2010, 54, 4872-4878.	3.2	79
48	Performance of chromID ESBL, a chromogenic medium for detection of Enterobacteriaceae producing extended-spectrum $\beta$ -lactamases. Journal of Medical Microbiology, 2008, 57, 310-315.	1.8	76
49	MCR-1 and OXA-48 <i>In Vivo</i> Acquisition in KPC-Producing <i>Escherichia coli</i> after Colistin Treatment. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	74
50	Genetics of Acquired Antibiotic Resistance Genes in <i>Proteus</i> spp.. Frontiers in Microbiology, 2020, 11, 256.	3.5	74
51	Wide Dissemination of <i>Pseudomonas aeruginosa</i> Producing $\beta$ -Lactamase <i>bla</i> KPC-2 Gene in Colombia. Antimicrobial Agents and Chemotherapy, 2011, 55, 5350-5353.	3.2	73
52	Genetic and Biochemical Characterization of OXA-405, an OXA-48-Type Extended-Spectrum $\beta$ -Lactamase without Significant Carbapenemase Activity. Antimicrobial Agents and Chemotherapy, 2015, 59, 3823-3828.	3.2	73
53	Endoscopy-associated transmission of carbapenem-resistant <i>Klebsiella pneumoniae</i> producing KPC-2 $\beta$ -lactamase. Journal of Antimicrobial Chemotherapy, 2010, 65, 1305-1306.	3.0	71
54	Genetic Diversity of Carbapenem-Hydrolyzing Metallo- $\beta$ -Lactamases from <i>Chryseobacterium</i> ( <i>Tj</i> ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.2	70

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55	Phenotypic, Biochemical, and Molecular Techniques for Detection of Metallo- $\beta$ -Lactamase NDM in <i>Acinetobacter baumannii</i> . <i>Journal of Clinical Microbiology</i> , 2012, 50, 1419-1421.	3.9	70
56	Molecular Characterization of OXA-20, a Novel Class D $\beta$ -Lactamase, and Its Integron from <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2074-2083.	3.2	69
57	Plasmid-Encoded Carbapenem-Hydrolyzing $\beta$ -Lactamase OXA-48 in an Imipenem-Susceptible <i>Klebsiella pneumoniae</i> Strain from Belgium. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3463-3464.	3.2	69
58	First Nosocomial Outbreak of Vancomycin-Resistant <i>Enterococcus faecium</i> Expressing a VanD-Like Phenotype Associated with a vanA Genotype. <i>Journal of Clinical Microbiology</i> , 2005, 43, 3642-3649.	3.9	67
59	Integron- and Carbenicillinase-Mediated Reduced Susceptibility to Amoxicillin-Clavulanic Acid in Isolates of Multidrug-Resistant <i>Salmonella enterica</i> Serotype Typhimurium DT104 from French Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 1098-1104.	3.2	67
60	Improvement of the Xpert Carba-R Kit for the Detection of Carbapenemase-Producing Enterobacteriaceae. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3832-3837.	3.2	66
61	Rapid detection and discrimination of chromosome- and MCR-plasmid-mediated resistance to polymyxins by MALDI-TOF MS in <i>Escherichia coli</i> : the MALDIxin test. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 3359-3367.	3.0	66
62	Molecular characterization of a carbapenem-hydrolyzing $\beta$ -lactamase from <i>Chryseobacterium (Flavobacterium) indologenes</i> . <i>FEMS Microbiology Letters</i> , 1999, 171, 127-132.	1.8	63
63	MALDI-TOF for the rapid detection of carbapenemase-producing Enterobacteriaceae: comparison of the commercialized MBT STAR <sup>®</sup> -Carba IVD Kit with two in-house MALDI-TOF techniques and the RAPIDECA <sup>®</sup> CARBA NP. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2352-2359.	3.0	63
64	Plasmid-mediated carbapenem-hydrolysing OXA-48 $\beta$ -lactamase in <i>Klebsiella pneumoniae</i> from Tunisia. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 91-93.	2.5	62
65	Rapid detection of colistin resistance in <i>Acinetobacter baumannii</i> using MALDI-TOF-based lipidomics on intact bacteria. <i>Scientific Reports</i> , 2018, 8, 16910.	3.3	61
66	Evaluation of the $\beta$ -CARBA <sub>5</sub> test, a colorimetric test for the rapid detection of carbapenemase activity in Gram-negative bacilli. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 1646-1658.	3.0	60
67	Diversity of Carbapenemase-Producing <i>Escherichia coli</i> Isolates in France in 2012-2013. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	59
68	Outbreak of Infection by Carbapenem-Resistant <i>Acinetobacter baumannii</i> Producing the Carbapenemase OXA-58 in Belgium. <i>Journal of Clinical Microbiology</i> , 2006, 44, 4189-4192.	3.9	58
69	Prospective evaluation of the OKN K-SeT assay, a new multiplex immunochromatographic test for the rapid detection of OXA-48-like, KPC and NDM carbapenemases. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 1955-1960.	3.0	58
70	Complete sequence of two KPC-harboring plasmids from <i>Pseudomonas aeruginosa</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 1757-1762.	3.0	57
71	Evaluation of the NG-Test CARBA 5 multiplex immunochromatographic assay for the detection of KPC, OXA-48-like, NDM, VIM and IMP carbapenemases. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 3523-3526.	3.0	55
72	Biochemical-Genetic Characterization and Regulation of Expression of an ACC-1-Like Chromosome-Borne Cephalosporinase from <i>Hafnia alvei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 1470-1478.	3.2	54

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73	A 4.5-Year Within-Patient Evolution of a Colistin-Resistant <i>Klebsiella pneumoniae</i> Carbapenemase-Producing K. pneumoniae Sequence Type 258. <i>Clinical Infectious Diseases</i> , 2018, 67, 1388-1394.	5.8	54
74	VEB-1 Extended-spectrum beta-lactamase-producing <i>Acinetobacter baumannii</i> , France. <i>Emerging Infectious Diseases</i> , 2006, 12, 1214-22.	4.3	54
75	Functional and Structural Characterization of the Genetic Environment of an Extended-Spectrum $\beta$ -Lactamase bla VEB Gene from a <i>Pseudomonas aeruginosa</i> Isolate Obtained in India. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3284-3290.	3.2	52
76	Genomic Insights into Colistin-Resistant <i>Klebsiella pneumoniae</i> from a Tunisian Teaching Hospital. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	52
77	NG-Test Carba 5 for Rapid Detection of Carbapenemase-Producing Enterobacterales from Positive Blood Cultures. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	49
78	When Carbapenem-Hydrolyzing $\beta$ -Lactamase KPC Meets <i>Escherichia coli</i> ST131 in France. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4933-4934.	3.2	48
79	Prospective evaluation of the OXA-48-K-SeT assay, an immunochromatographic test for the rapid detection of OXA-48-type carbapenemases. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 1834-1840.	3.0	48
80	Unravelling ceftazidime/avibactam resistance of KPC-28, a KPC-2 variant lacking carbapenemase activity. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2239-2246.	3.0	48
81	OXA-60, a Chromosomal, Inducible, and Imipenem-Hydrolyzing Class D $\beta$ -Lactamase from <i>Ralstonia pickettii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 4217-4225.	3.2	47
82	Herpes Simplex Virus Type 1 Latently Infected Neurons Differentially Express Latency-Associated and ICPO Transcripts. <i>Journal of Virology</i> , 2006, 80, 9310-9321.	3.4	47
83	NDM-1-Producing <i>Acinetobacter baumannii</i> from Algeria. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2214-2215.	3.2	46
84	Genetic-Biochemical Analysis and Distribution of the Ambler Class A $\beta$ -Lactamase CME-2, Responsible for Extended-Spectrum Cephalosporin Resistance in <i>Chryseobacterium</i> ( <i>Flavobacterium</i> ) <i>meningosepticum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 1-9.	3.2	45
85	Evaluation of the rapid carbapenem inactivation method (rCIM): a phenotypic screening test for carbapenemase-producing Enterobacteriaceae. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 900-908.	3.0	45
86	Structure of the imipenem-hydrolyzing class A $\beta$ -lactamase SME-1 from <i>Serratia marcescens</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 267-274.	2.5	42
87	Panresistant extended-spectrum $\beta$ -lactamase SHV-5-producing <i>Acinetobacter baumannii</i> from New York City. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 60, 1174-1176.	3.0	42
88	Integron-Located oxa-32 Gene Cassette Encoding an Extended-Spectrum Variant of OXA-2 $\beta$ -Lactamase from <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 566-569.	3.2	41
89	OXA-244-Producing <i>Escherichia coli</i> Isolates, a Challenge for Clinical Microbiology Laboratories. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	41
90	Molecular and biochemical characterization of a carbapenem-hydrolysing beta-lactamase from <i>Flavobacterium johnsoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 51, 267-273.	3.0	40

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91	Multicenter Evaluation of a New DNA Microarray for Rapid Detection of Clinically Relevant <i>bla</i> Genes from $\beta$ -Lactam-Resistant Gram-Negative Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4457-4460.	3.2	40
92	Stepwise evolution and convergent recombination underlie the global dissemination of carbapenemase-producing <i>Escherichia coli</i> . <i>Genome Medicine</i> , 2020, 12, 10.	8.2	40
93	Long-lasting successful dissemination of resistance to oxazolidinones in MDR <i>Staphylococcus epidermidis</i> clinical isolates in a tertiary care hospital in France. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 41-51.	3.0	39
94	Using artificial intelligence to improve COVID-19 rapid diagnostic test result interpretation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	39
95	Emergence of New Non-Clonal Group 258 High-Risk Clones among <i>Klebsiella pneumoniae</i> Carbapenemase-Producing <i>K. pneumoniae</i> Isolates, France. <i>Emerging Infectious Diseases</i> , 2020, 26, 1212-1220.	4.3	39
96	SHV-type extended-spectrum $\beta$ -lactamase in a <i>Shigella flexneri</i> clinical isolate. <i>Journal of Antimicrobial Chemotherapy</i> , 2001, 47, 685-688.	3.0	38
97	Chromosomal Amplification of the <i>bla</i> OXA-58 Carbapenemase Gene in a <i>Proteus mirabilis</i> Clinical Isolate. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	38
98	Genetic Diversity, Biochemical Properties, and Detection Methods of Minor Carbapenemases in Enterobacterales. <i>Frontiers in Medicine</i> , 2020, 7, 616490.	2.6	38
99	Molecular characterisation of In51, a class 1 integron containing a novel aminoglycoside adenylyltransferase gene cassette, <i>aadA6</i> , in <i>Pseudomonas aeruginosa</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999, 1489, 445-451.	2.4	37
100	Genetic and Biochemical Characterization of CGB-1, an Ambler Class B Carbapenem-Hydrolyzing $\beta$ -Lactamase from <i>Chryseobacterium gleum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 2791-2796.	3.2	37
101	Novel Genetic Structure Associated with an Extended-Spectrum $\beta$ -Lactamase <i>bla</i> VEB Gene in a <i>Providencia stuartii</i> Clinical Isolate from Algeria. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3590-3592.	3.2	37
102	Development and Validation of a Lateral Flow Immunoassay for Rapid Detection of NDM-Producing Enterobacteriaceae. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2018-2029.	3.9	37
103	Performance of the Xpert <sup>®</sup> Carba-R v2 in the daily workflow of a hygiene unit in a country with a low prevalence of carbapenemase-producing Enterobacteriaceae. <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 774-777.	2.5	37
104	Retrospective and prospective evaluation of the Carbapenem inactivation method for the detection of carbapenemase-producing Enterobacteriaceae. <i>PLoS ONE</i> , 2017, 12, e0170769.	2.5	37
105	Biochemical-Genetic Characterization and Distribution of OXA-22, a Chromosomal and Inducible Class D $\beta$ -Lactamase from <i>Ralstonia (Pseudomonas) pickettii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 2201-2204.	3.2	36
106	Outbreak of <i>Salmonella enterica</i> serotype Infantis producing ArmA 16S RNA methylase and CTX-M-15 extended-spectrum $\beta$ -lactamase in a neonatology ward in Constantine, Algeria. <i>International Journal of Antimicrobial Agents</i> , 2011, 38, 135-139.	2.5	35
107	Dissemination of Carbapenemase-Producing Enterobacteriaceae and <i>Pseudomonas aeruginosa</i> in Romania. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7100-7103.	3.2	35
108	Role of residues 104, 164, 166, 238 and 240 in the substrate profile of PER-1 $\beta$ -lactamase hydrolysing third-generation cephalosporins. <i>Biochemical Journal</i> , 1998, 330, 1443-1449.	3.7	34

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109	Novel Chromogenic Medium for Detection of Vancomycin-Resistant <i>Enterococcus faecium</i> and <i>Enterococcus faecalis</i> . <i>Journal of Clinical Microbiology</i> , 2008, 46, 2442-2444.	3.9	34
110	Prospective evaluation of an algorithm for the phenotypic screening of carbapenemase-producing Enterobacteriaceae. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 135-140.	3.0	34
111	Optimization of the MALDIxin test for the rapid identification of colistin resistance in <i>Klebsiella pneumoniae</i> using MALDI-TOF MS. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 110-116.	3.0	33
112	A Lateral Flow Immunoassay for the Rapid Identification of CTX-M-Producing Enterobacterales from Culture Plates and Positive Blood Cultures. <i>Diagnostics</i> , 2020, 10, 764.	2.6	33
113	Comparison of disk diffusion, MIC test strip and broth microdilution methods for cefiderocol susceptibility testing on carbapenem-resistant enterobacterales. <i>Clinical Microbiology and Infection</i> , 2022, 28, 1156.e1-1156.e5.	6.0	33
114	Molecular and Biochemical Characterization of Ambler Class A Extended-Spectrum $\beta$ -Lactamase CGA-1 from <i>Chryseobacterium gleum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 966-970.	3.2	32
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