

Carbapenemases: molecular diversity and clinical conse

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Metallo- β -lactamase-producing <i>Pseudomonas aeruginosa</i> isolated from a large tertiary centre in Kenya. <i>Clinical Microbiology and Infection</i> , 2008, 14, 755-759.	2.8	67
2	Oxacillinase-mediated resistance to carbapenems in <i>Klebsiella pneumoniae</i> from Lebanon. <i>Clinical Microbiology and Infection</i> , 2008, 14, 887-888.	2.8	49
3	Dissemination of multidrug-resistant, class 1 integron-carrying <i>Acinetobacter baumannii</i> isolates in Taiwan. <i>Clinical Microbiology and Infection</i> , 2008, 14, 1010-1019.	2.8	73
4	Economics of antibiotic resistance. <i>Expert Review of Anti-Infective Therapy</i> , 2008, 6, 523-539.	2.0	79
5	Multiresistant Enterobacteriaceae: new threat of an old problem. <i>Expert Review of Anti-Infective Therapy</i> , 2008, 6, 657-669.	2.0	95
6	Inhibition of Class A β -Lactamases by Carbapenems: Crystallographic Observation of Two Conformations of Meropenem in SHV-1. <i>Journal of the American Chemical Society</i> , 2008, 130, 12656-12662.	6.6	69
7	Rapid Emergence of <i>bla</i> _{CTX-M} Among Enterobacteriaceae in U.S. Medical Centers: Molecular Evaluation from the MYSTIC Program (2007). <i>Microbial Drug Resistance</i> , 2008, 14, 211-216.	0.9	79
8	First Countrywide Survey of Acquired Metallo- β -Lactamases in Gram-Negative Pathogens in Italy. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 4023-4029.	1.4	58
9	Increasing carbapenem resistance due to the clonal dissemination of oxacillinase (OXA-23 and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 42 of <i>Medical Microbiology</i> , 2008, 57, 1529-1532.	0.7	46
10	Emergence and widespread dissemination of OXA-23, -24/40 and -58 carbapenemases among <i>Acinetobacter</i> spp. in Asia-Pacific nations: report from the SENTRY Surveillance Program. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 63, 55-59.	1.3	139
11	Redefining extended-spectrum β -lactamases: balancing science and clinical need. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 63, 1-4.	1.3	92
12	Clinically significant carbapenemases: an update. <i>Current Opinion in Infectious Diseases</i> , 2008, 21, 367-371.	1.3	149
13	Detección del gen <i>bla</i> _{VIM-2} en cepas de <i>Pseudomonas aeruginosa</i> productoras de metalo β -lactamasa aisladas en una unidad de cuidados intensivos en Ciudad Bolívar, Venezuela. <i>Revista Chilena De Infectologia</i> , 2009, 26, .	0.0	4
14	Integron Mobilization Unit as a Source of Mobility of Antibiotic Resistance Genes. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2492-2498.	1.4	69
15	Genetic relatedness and molecular characterization of multidrug resistant <i>Acinetobacter baumannii</i> isolated in central Ohio, USA. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2009, 8, 21.	1.7	68
16	Crystal Structure of the OXA-48 β -Lactamase Reveals Mechanistic Diversity among Class D Carbapenemases. <i>Chemistry and Biology</i> , 2009, 16, 540-547.	6.2	144
17	Doripenem: antimicrobial profile and clinical potential. <i>Diagnostic Microbiology and Infectious Disease</i> , 2009, 63, 455-458.	0.8	28
18	Intracellular Steady-State Concentration of Integron Recombination Products Varies with Integrase Level and Growth Phase. <i>Journal of Molecular Biology</i> , 2009, 386, 316-331.	2.0	8

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19	Resistance Plasmid Families in <i>Enterobacteriaceae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2227-2238.	1.4	1,065
20	Nosocomial Spread of Colistin-Only-Sensitive Sequence Type 235 <i>Pseudomonas aeruginosa</i> Isolates Producing the Extended-Spectrum β -Lactamases GES-1 and GES-5 in Spain. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4930-4933.	1.4	91
21	Characterization of a New Metallo- β -Lactamase Gene, <i>bla</i> _{NDM-1} , and a Novel Erythromycin Esterase Gene Carried on a Unique Genetic Structure in <i>Klebsiella pneumoniae</i> Sequence Type 14 from India. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 5046-5054.	1.4	2,065
22	The real threat of <i>Klebsiella pneumoniae</i> carbapenemase-producing bacteria. <i>Lancet Infectious Diseases</i> , 2009, 9, 228-236.	4.6	1,334
23	Pathogens Resistant to Antibacterial Agents. <i>Infectious Disease Clinics of North America</i> , 2009, 23, 817-845.	1.9	46
25	Novel Ambler Class A Carbapenem-Hydrolyzing β -Lactamase from a <i>Pseudomonas fluorescens</i> Isolate from the Seine River, Paris, France. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 328-332.	1.4	61
26	Emergence of KPC-producing <i>Klebsiella pneumoniae</i> in Italy. <i>BMC Research Notes</i> , 2010, 3, 40.	0.6	36
27	The emerging threat of acquired carbapenemases in Gram-negative bacteria. <i>Clinical Microbiology and Infection</i> , 2010, 16, 99-101.	2.8	30
28	Genetic Basis of Multidrug-resistant <i>Acinetobacter baumannii</i> Clinical Isolates from Three University Hospitals in Chungcheong Province, Korea. <i>Annals of Laboratory Medicine</i> , 2010, 30, 498-506.	1.2	22
29	Spread of OXA-48-Encoding Plasmid in Turkey and Beyond. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1369-1373.	1.4	234
30	Detection of the new metallo- β -lactamase VIM-19 along with KPC-2, CMY-2 and CTX-M-15 in <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1604-1607.	1.3	63
31	Role of changes in the L3 loop of the active site in the evolution of enzymatic activity of VIM-type metallo- β -lactamases. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1950-1954.	1.3	29
32	Use of ChromID Extended-Spectrum β -Lactamase Medium for Detecting Carbapenemase-Producing <i>Enterobacteriaceae</i> . <i>Journal of Clinical Microbiology</i> , 2010, 48, 1913-1914.	1.8	57
33	Comparison of BD Phoenix, Vitek 2, and MicroScan Automated Systems for Detection and Inference of Mechanisms Responsible for Carbapenem Resistance in <i>Enterobacteriaceae</i> . <i>Journal of Clinical Microbiology</i> , 2010, 48, 2999-3002.	1.8	88
34	Faecal carriage of multidrug-resistant Gram-negative bacilli during a non-outbreak situation in a French university hospital. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 2455-2458.	1.3	38
35	Multidrug resistant <i>Acinetobacter</i> . <i>Journal of Global Infectious Diseases</i> , 2010, 2, 291.	0.2	437
36	Characterization of DIM-1, an Integron-Encoded Metallo- β -Lactamase from a <i>Pseudomonas stutzeri</i> Clinical Isolate in the Netherlands. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2420-2424.	1.4	69
37	Activity of BAL30376 (monobactam BAL19764 + BAL29880 + clavulanate) versus Gram-negative bacteria with characterized resistance mechanisms. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 2382-2395.	1.3	37

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38	Spread of OXA-48-mediated resistance to carbapenems in Lebanese <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> that produce extended spectrum β -lactamase. <i>Annals of Tropical Medicine and Parasitology</i> , 2010, 104, 271-274.	1.6	39
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40	Emerging carbapenemases: a global perspective. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, S8-S14.	1.1	418
41	Antimicrobial Resistance in Gram-Negative Bacteria from Developing Countries. , 2010, , 249-266.		4
42	VIM-19, a Metallo- β -Lactamase with Increased Carbapenemase Activity from <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 471-476.	1.4	61
43	Diversity, Epidemiology, and Genetics of Class D β -Lactamases. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 24-38.	1.4	546
44	Multidrug-resistant <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> : resistance mechanisms and implications for therapy. <i>Expert Review of Anti-Infective Therapy</i> , 2010, 8, 71-93.	2.0	256
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50	Epidemiology and genetics of VIM-type metallo- β -lactamases in Gram-negative bacilli. <i>Future Microbiology</i> , 2011, 6, 317-333.	1.0	32
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53	Pathogens Resistant to Antibacterial Agents. <i>Medical Clinics of North America</i> , 2011, 95, 647-676.	1.1	7
54	Multiplex PCR for detection of acquired carbapenemase genes. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011, 70, 119-123.	0.8	1,453
55	Carbapenems: Past, Present, and Future. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4943-4960.	1.4	1,053
56	Antimicrobial Resistance Determinants in Imipenem-nonsusceptible <i>Acinetobacter calcoaceticus-baumannii</i> Complex Isolated in Daejeon, Korea. <i>Annals of Laboratory Medicine</i> , 2011, 31, 265-270.	1.2	17
57	A novel VIM-type metallo- β -lactamase (VIM-14) in a <i>Pseudomonas aeruginosa</i> clinical isolate from a neonatal intensive care unit. <i>Clinical Microbiology and Infection</i> , 2011, 17, 722-724.	2.8	18
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59	Genetic Context and Biochemical Characterization of the IMP-18 Metallo- β -Lactamase Identified in a <i>Pseudomonas aeruginosa</i> Isolate from the United States. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 140-145.	1.4	27

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61	Plasmid comparison and molecular analysis of <i>Klebsiella pneumoniae</i> harbouring blaKPC from New York City and Toronto. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 1273-1277.	1.3	43
62	Multicenter Evaluation of a New DNA Microarray for Rapid Detection of Clinically Relevant bla Genes from β -Lactam-Resistant Gram-Negative Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4457-4460.	1.4	40
63	CO ₂ -dependent methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 676-677.	1.3	1
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65	Detection of NDM-1-Producing <i>Klebsiella pneumoniae</i> in Kenya. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 934-936.	1.4	181
66	IMP-Producing Carbapenem-Resistant <i>Klebsiella pneumoniae</i> in the United States. <i>Journal of Clinical Microbiology</i> , 2011, 49, 4239-4245.	1.8	58
67	Plasmid-mediated carbapenem-hydrolysing β -lactamase KPC-2 in a <i>Klebsiella pneumoniae</i> isolate from Switzerland. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 675-676.	1.3	16
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73	NDM-1-Producing <i>Escherichia coli</i> in Germany. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1318-1319.	1.4	70
74	Hydrolytic Mechanism of OXA-58 Enzyme, a Carbapenem-hydrolyzing Class D β -Lactamase from <i>Acinetobacter baumannii</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 37292-37303.	1.6	38
75	Emergence of NDM-1-producing <i>Klebsiella pneumoniae</i> in Morocco. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 2781-2783.	1.3	91
76	Regional Spread of <i>Pseudomonas aeruginosa</i> ST357 Producing IMP-7 Metallo- β -Lactamase in Central Europe. <i>Journal of Clinical Microbiology</i> , 2011, 49, 474-475.	1.8	37
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79	First report of KPC-producing <i>Klebsiella pneumoniae</i> in Croatia. <i>Journal of Chemotherapy</i> , 2012, 24, 237-239.	0.7	24
80	Spread of carbapenemase NDM-1 producers: The situation in India and what may be proposed. <i>Scandinavian Journal of Infectious Diseases</i> , 2012, 44, 531-535.	1.5	49
81	<i>Acinetobacter</i> : A potential reservoir and dispenser for $\hat{1}^2$ -lactamases. <i>Critical Reviews in Microbiology</i> , 2012, 38, 30-51.	2.7	35
82	Proteomic Analysis of Clinical Isolate of <i>Stenotrophomonas maltophilia</i> with <i>bla</i> _{NDM-1} , <i>bla</i> _{L1} and <i>bla</i> _{L2} $\hat{1}^2$ -Lactamase Genes under Imipenem Treatment. <i>Journal of Proteome Research</i> , 2012, 11, 4024-4033.	1.8	20
83	Detection of Carbapenemase Producers in Enterobacteriaceae by Use of a Novel Screening Medium. <i>Journal of Clinical Microbiology</i> , 2012, 50, 2761-2766.	1.8	104
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85	Rapid evolution and spread of carbapenemases among Enterobacteriaceae in Europe. <i>Clinical Microbiology and Infection</i> , 2012, 18, 413-431.	2.8	727
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90	Three distinct clones of carbapenem-resistant <i>Acinetobacter baumannii</i> with high diversity of carbapenemases isolated from patients in two hospitals in Kuwait. <i>Journal of Infection and Public Health</i> , 2012, 5, 102-108.	1.9	30
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92	The role of international travel in the worldwide spread of multiresistant Enterobacteriaceae. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2090-2100.	1.3	229
93	<i>Enterobacter cloacae</i> complex: clinical impact and emerging antibiotic resistance. <i>Future Microbiology</i> , 2012, 7, 887-902.	1.0	420
94	Extraintestinal pathogenic <i>Escherichia coli</i> : an update on antimicrobial resistance, laboratory diagnosis and treatment. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 1165-1176.	2.0	133
95	Multidrug resistance genes, including <i>bla</i> _{KPC} and <i>bla</i> _{CTX-M-2} , among <i>Klebsiella pneumoniae</i> isolated in Recife, Brazil. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2012, 45, 572-578.	0.4	46

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97	Carbapenem-hydrolyzing class D β -lactamase OXA-48 in <i>Klebsiella pneumoniae</i> isolates from Tunisia. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2012, 31, 937-939.	1.3	26
98	MALDI-TOF MS applied to indirect carbapenemase detection: a validated procedure to clearly distinguish between carbapenemase-positive and carbapenemase-negative bacterial strains. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5259-5266.	1.9	27
99	The role of antimicrobial stewardship in curbing carbapenem resistance. <i>Future Microbiology</i> , 2013, 8, 979-991.	1.0	33
100	Evaluation of Etest [®] strips for detection of KPC and metallo-carbapenemases in Enterobacteriaceae. <i>Diagnostic Microbiology and Infectious Disease</i> , 2013, 77, 200-201.	0.8	25
101	The emergence of OXA-48- and NDM-1-positive <i>Klebsiella pneumoniae</i> in Riyadh, Saudi Arabia. <i>International Journal of Infectious Diseases</i> , 2013, 17, e1130-e1133.	1.5	95
102	Characterization of carbapenemases, extended spectrum β -lactamases and molecular epidemiology of carbapenem-non-susceptible <i>Enterobacter cloacae</i> in a Chinese hospital in Chongqing. <i>Infection, Genetics and Evolution</i> , 2013, 14, 1-7.	1.0	47
103	Multidrug-resistant Bacteria Among Patients Treated in Foreign Hospitals: Management Considerations During Medical Repatriation. <i>Journal of Travel Medicine</i> , 2013, 20, 22-28.	1.4	23
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107	First Report of New Delhi Metallo-Beta-Lactamase-1-Producing <i>Klebsiella pneumoniae</i> in Iran. <i>Microbial Drug Resistance</i> , 2013, 19, 30-36.	0.9	90
108	EUCAST expert rules in antimicrobial susceptibility testing. <i>Clinical Microbiology and Infection</i> , 2013, 19, 141-160.	2.8	527
109	Identification of <i>bla</i> _{OXA-51-like} , <i>bla</i> _{OXA-58} , <i>bla</i> _{DIM-1} , and <i>bla</i> _{VIM} Carbapenemase Genes in Hospital Enterobacteriaceae Isolates from Sierra Leone. <i>Journal of Clinical Microbiology</i> , 2013, 51, 2435-2438.	1.8	47
110	Potency and Spectrum of Activity of AN3365, a Novel Boron-Containing Protein Synthesis Inhibitor, Tested against Clinical Isolates of Enterobacteriaceae and Nonfermentative Gram-Negative Bacilli. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2849-2857.	1.4	37
111	Risk Ranking of Antimicrobials in the Aquatic Environment from Human Consumption: An Irish Case Study. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 1264-1284.	1.7	12
112	Biochemical Characterization of IMP-30, a Metallo- β -Lactamase with Enhanced Activity toward Ceftazidime. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5122-5126.	1.4	11
113	Rapid Molecular Characterization of <i>Acinetobacter baumannii</i> Clones with rep-PCR and Evaluation of Carbapenemase Genes by New Multiplex PCR in Hospital District of Helsinki and Uusimaa. <i>PLoS ONE</i> , 2014, 9, e85854.	1.1	38

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116	Infectious Microecology. <i>Advanced Topics in Science and Technology in China</i> , 2014, . .	0.0	5
117	Statewide Surveillance of Carbapenem-Resistant Enterobacteriaceae in Michigan. <i>Infection Control and Hospital Epidemiology</i> , 2014, 35, 342-349.	1.0	39
118	Integrins: epidemiological molecular markers for identifying and surveying metallo- β -lactamase genes in Gram-negative bacilli. <i>Future Microbiology</i> , 2014, 9, 5-8.	1.0	3
119	Rapid tests for detection of carbapenemase producers in <i>P. aeruginosa</i> ; what do we really need?. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2014, 32, 623-624.	0.3	1
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124	Understanding the determinants of substrate specificity in IMP family metallo- β -lactamases: The importance of residue 262. <i>Protein Science</i> , 2014, 23, 1451-1460.	3.1	20
125	The difficult-to-control spread of carbapenemase producers among Enterobacteriaceae worldwide. <i>Clinical Microbiology and Infection</i> , 2014, 20, 821-830.	2.8	544
126	Clonal spread of <i>Klebsiella pneumoniae</i> producing KPC-2 beta-lactamase in Croatian University Hospital. <i>Journal of Chemotherapy</i> , 2015, 27, 241-245.	0.7	6
127	High Prevalence of AmpC β -Lactamases in Clinical Isolates of <i>Escherichia coli</i> in Ilam, Iran. <i>Osong Public Health and Research Perspectives</i> , 2015, 6, 201-204.	0.7	10
128	Distribution of β -Lactamase Genes Among Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Strains Isolated From Patients in Turkey. <i>Annals of Laboratory Medicine</i> , 2015, 35, 595-601.	1.2	41
129	Emergence of <i>Acinetobacter pittii</i> Harboring New Delhi Metallo- β -Lactamase Genes in Daejeon, Korea. <i>Annals of Laboratory Medicine</i> , 2015, 35, 531-534.	1.2	12
130	Analysis of drug-resistant gene detection of blaOXA-like genes from <i>Acinetobacter baumannii</i> . <i>Genetics and Molecular Research</i> , 2015, 14, 18999-19004.	0.3	8
131	<i>Enterobacter aerogenes</i> and <i>Enterobacter cloacae</i> ; versatile bacterial pathogens confronting antibiotic treatment. <i>Frontiers in Microbiology</i> , 2015, 6, 392.	1.5	368
132	Survey and rapid detection of <i>Klebsiella pneumoniae</i> in clinical samples targeting the rcsA gene in Beijing, China. <i>Frontiers in Microbiology</i> , 2015, 6, 519.	1.5	43

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133	Rapid detection of <i>Pseudomonas aeruginosa</i> targeting the <i>toxA</i> gene in intensive care unit patients from Beijing, China. <i>Frontiers in Microbiology</i> , 2015, 6, 1100.	1.5	40
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