

The CTX-M β -lactamase pandemic

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Rapid Dissemination and Diversity of CTX-M Extended-Spectrum β -Lactamase Genes in Commensal <i>Escherichia coli</i> Isolates from Healthy Children from Low-Resource Settings in Latin America. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2720-2725.	1.4	146
2	Optimizing Therapy for Infections Caused by Enterobacteriaceae Producing Extended-Spectrum β -Lactamases. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2007, 28, 646-655.	0.8	36
3	Occurrence, prevalence and genetic environment of CTX-M β -lactamases in Enterobacteriaceae from Indian hospitals—authors' response. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 800-800.	1.3	3
4	External Guide Sequences Targeting the <i>aac(6)-Ib</i> mRNA Induce Inhibition of Amikacin Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1918-1925.	1.4	34
5	Extended-Spectrum β -Lactamases of the CTX-M Type Now in Switzerland. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 2855-2860.	1.4	66
6	Complex molecular epidemiology of extended-spectrum β -lactamases in <i>Klebsiella pneumoniae</i> : a long-term perspective from a single institution in Madrid. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 61, 64-72.	1.3	50
7	Intercontinental emergence of <i>Escherichia coli</i> clone O25:H4-ST131 producing CTX-M-15. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 61, 273-281.	1.3	737
8	Comment on: Occurrence, prevalence and genetic environment of CTX-M β -lactamases in Enterobacteriaceae from Indian hospitals. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 799-800.	1.3	22
9	Virulence factors in <i>Escherichia coli</i> with CTX-M-15 and other extended-spectrum β -lactamases in the UK. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 61, 54-58.	1.3	44
10	Molecular Epidemiology of CTX-M-Producing <i>Escherichia coli</i> in the Calgary Health Region: Emergence of CTX-M-15-Producing Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 1281-1286.	1.4	109
11	Evaluation of a New Selective Chromogenic Agar Medium for Detection of Extended-Spectrum β -Lactamase-Producing Enterobacteriaceae. <i>Journal of Clinical Microbiology</i> , 2007, 45, 501-505.	1.8	62
12	The continuing challenge of ESBLs. <i>Current Opinion in Pharmacology</i> , 2007, 7, 459-469.	1.7	233
13	Antimicrobial resistance in <i>Escherichia coli</i> outpatient urinary isolates from women: emerging multidrug resistance phenotypes. <i>Diagnostic Microbiology and Infectious Disease</i> , 2007, 59, 439-445.	0.8	38
15	Update on viral infections in immunocompromised patients. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2007, 25, 2-11.	0.3	6
16	Characterization of CTX-M and SHV extended-spectrum β -lactamases and associated resistance genes in <i>Escherichia coli</i> strains of food samples in Tunisia. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 60, 1137-1141.	1.3	170
17	Diagnostica delle β -lattamasi a spettro esteso (ESBL) nelle Enterobacteriaceae: problemi e raccomandazioni nella realtà epidemiologica italiana. <i>Microbiologia Medica</i> , 2007, 22, .	0.3	2
18	The antibiotic resistome: the nexus of chemical and genetic diversity. <i>Nature Reviews Microbiology</i> , 2007, 5, 175-186.	13.6	1,065
19	Clinical variables associated with the isolation of <i>Klebsiella pneumoniae</i> expressing different extended-spectrum β -lactamases. <i>Clinical Microbiology and Infection</i> , 2007, 13, 532-538.	2.8	11

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20	Evolution and Recombination of the Plasmidic qnr Alleles. <i>Journal of Molecular Evolution</i> , 2008, 67, 103-110.	0.8	12
21	CTX-M-1-Related Extended-Spectrum Beta-Lactamases Producing <i>Escherichia coli</i> : so far a Sporadic Event in Western Austria. <i>Infection</i> , 2008, 36, 362-367.	2.3	9
22	β-Lactam induction of IS _{Ecp1B} -mediated mobilization of the naturally occurring bla _{CTX-M} -lactamase gene of <i>Kluyvera ascorbata</i> . <i>FEMS Microbiology Letters</i> , 2008, 288, 247-249.	0.7	22
23	The first major extended-spectrum β-lactamase outbreak in Scandinavia was caused by clonal spread of a multiresistant <i>Klebsiella pneumoniae</i> producing CTX-M15. <i>Apmis</i> , 2008, 116, 302-8.	0.9	83
24	Molecular epidemiology of clinically significant antibiotic resistance genes. <i>British Journal of Pharmacology</i> , 2008, 153, S406-13.	2.7	52
25	IRT and CMT β-lactamases and inhibitor resistance. <i>Clinical Microbiology and Infection</i> , 2008, 14, 53-62.	2.8	92
26	Prevalence and spread of extended-spectrum β-lactamase-producing Enterobacteriaceae in Europe. <i>Clinical Microbiology and Infection</i> , 2008, 14, 144-153.	2.8	495
27	Molecular characterisation of extended-spectrum β-lactamase-producing <i>Escherichia coli</i> and <i>Klebsiella</i> spp. isolates at a tertiary-care centre in Lebanon. <i>Clinical Microbiology and Infection</i> , 2008, 14, 501-504.	2.8	31
28	Antimicrobial resistance in Europe and its potential impact on empirical therapy. <i>Clinical Microbiology and Infection</i> , 2008, 14, 2-8.	2.8	105
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31	Clinical significance of extended-spectrum β-lactamases. <i>Expert Review of Anti-Infective Therapy</i> , 2008, 6, 671-683.	2.0	136
32	Genetic characterisation of CTX-M-15-producing <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> strains isolated from stem cell transplant patients in Tunisia. <i>International Journal of Antimicrobial Agents</i> , 2008, 32, 308-314.	1.1	57
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35	Prevalence and characterization of extended-spectrum β-lactamases in <i>Klebsiella pneumoniae</i> in Algiers hospitals (Algeria). <i>Pathologie Et Biologie</i> , 2008, 56, 319-325.	2.2	66
37	Prevalence of extended-spectrum β-lactamases in <i>Proteus mirabilis</i> in a Taiwanese university hospital, 1999 to 2005: identification of a novel CTX-M enzyme (CTX-M-66). <i>Diagnostic Microbiology and Infectious Disease</i> , 2008, 60, 169-175.	0.8	13
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44	Antimicrobial resistance: its emergence and transmission. <i>Animal Health Research Reviews</i> , 2008, 9, 115-126.	1.4	128
45	Dominance of blaCTX-M within an Australian Extended-Spectrum β -Lactamase Gene Pool. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 4198-4202.	1.4	87
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57	Mutational Events in Cefotaxime Extended-Spectrum β -Lactamases of the CTX-M-1 Cluster Involved in Ceftazidime Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2377-2382.	1.4	40

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61	Dissemination of the CTX-M-25 family β -lactamases among <i>Klebsiella pneumoniae</i> , <i>Escherichia coli</i> and <i>Enterobacter cloacae</i> and identification of the novel enzyme CTX-M-41 in <i>Proteus mirabilis</i> in Israel. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 289-295.	1.3	40
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87	Extended-spectrum $\hat{2}$ -lactamases and AmpC $\hat{2}$ -lactamases in ceftiofur-resistant <i>Salmonella enterica</i> isolates from food and livestock obtained in Germany during 2003-07. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 64, 301-309.	1.3	129
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91	Prevalence of extended-spectrum beta-lactamase-producing <i>Escherichia coli</i> isolates in faecal samples of broilers. <i>Veterinary Microbiology</i> , 2009, 138, 339-344.	0.8	130
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98	A Multinational Survey of Risk Factors for Infection with Extended-Spectrum β -Lactamase-Producing Enterobacteriaceae in Nonhospitalized Patients. <i>Clinical Infectious Diseases</i> , 2009, 49, 682-690.	2.9	415
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118	Multiparametric determination of genes and their point mutations for identification of beta-lactamases. <i>Biochemistry (Moscow)</i> , 2010, 75, 1628-1649.	0.7	13
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920	Detection and genetic analysis of <i>Escherichia coli</i> from Tonle Sap Lake and its tributaries in Cambodia: Spatial distribution, seasonal variation, pathogenicity, and antimicrobial resistance. <i>Environmental Pollution</i> , 2022, 315, 120406.	3.7	4
921	Surveillance of extended-spectrum-β-lactamase-producing enterobacteriaceae in a Swiss Tertiary Care Hospital. <i>Swiss Medical Weekly</i> , 0, , .	0.8	6
922	<i>Klebsiella</i> and <i>Raoultella</i> Species. , 2023, , 837-841.e2.		0
923	Genomic analysis of sewage from 101 countries reveals global landscape of antimicrobial resistance. <i>Nature Communications</i> , 2022, 13, .	5.8	64
924	Multidrug-Resistant Enterobacterales in Community-Acquired Urinary Tract Infections in Djibouti, Republic of Djibouti. <i>Antibiotics</i> , 2022, 11, 1740.	1.5	2

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925	Portable Differential Detection of CTX-M ESBL Gene Variants, <i>bla</i> CTX-M-1 and <i>bla</i> CTX-M-15, from <i>Escherichia coli</i> Isolates and Animal Fecal Samples Using Loop-Primer Endonuclease Cleavage Loop-Mediated Isothermal Amplification. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	4
926	Treatment of severe infections caused by ESBL or carbapenemases-producing Enterobacteriaceae. <i>Medicina Intensiva</i> , 2023, 47, 34-44.	0.4	1
927	Boronic Acid Transition State Inhibitors as Potent Inactivators of KPC and CTX-M β -Lactamases: Biochemical and Structural Analyses. <i>Antimicrobial Agents and Chemotherapy</i> , 2023, 67, .	1.4	2
928	Inhibition of <i>mecA</i> and <i>bla</i> CTX-M from MRSA and ESBL strains of diabetic foot infection by screening antibiotics compound library: an <i>in silico</i> analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 0, , 1-6.	2.0	0
929	Antimicrobial Susceptibility and Genetic Prevalence of Extended-Spectrum β -Lactamases in Gram-Negative Rods Isolated from Clinical Specimens in Pakistan. <i>Antibiotics</i> , 2023, 12, 29.	1.5	3
930	Using a combination of short- and long-read sequencing to investigate the diversity in plasmid- and chromosomally encoded extended-spectrum beta-lactamases (ESBLs) in clinical <i>Shigella</i> and <i>Salmonella</i> isolates in Belgium. <i>Microbial Genomics</i> , 2023, 9, .	1.0	1
931	First Report of <i>OXA-48</i> and <i>IMP</i> Genes Among Extended-Spectrum Beta-Lactamase-Producing <i>Escherichia coli</i> Isolates from Diarrheic Calves in Tunisia. <i>Microbial Drug Resistance</i> , 2023, 29, 150-162.	0.9	1
932	MALDI-TOF MS-based identification and antibiotics profiling of <i>Salmonella</i> species isolated from retail chilled chicken in Saudi Arabia. <i>Journal of King Saud University - Science</i> , 2023, 35, 102684.	1.6	1
933	Characterization of ESBL-producing <i>Escherichia</i> spp. and report of an <i>mcr-1</i> colistin-resistance <i>Escherichia fergusonii</i> strain from minced meat in Pamplona, Colombia. <i>International Journal of Food Microbiology</i> , 2023, 394, 110168.	2.1	0
934	Effect of antimicrobial consumption on <i>Escherichia coli</i> resistance: assessment and forecasting using Dynamic Regression models in a French university hospital (2014-2019). <i>International Journal of Antimicrobial Agents</i> , 2023, 61, 106768.	1.1	1
935	Mutagenesis and structural analysis reveal the CTX-M β -lactamase active site is optimized for cephalosporin catalysis and drug resistance. <i>Journal of Biological Chemistry</i> , 2023, 299, 104630.	1.6	2
937	Evolutionary Responses to Acquiring a Multidrug Resistance Plasmid Are Dominated by Metabolic Functions across Diverse <i>Escherichia coli</i> Lineages. <i>MSystems</i> , 2023, 8, .	1.7	8
938	“Future” Threat of Gram-negative Resistance in Singapore. <i>Annals of the Academy of Medicine, Singapore</i> , 2008, 37, 884-890.	0.2	13
939	Prevalence, Characterization, and Antimicrobial Resistance of Extended-Spectrum Beta-Lactamase-Producing <i>Escherichia coli</i> from Domestic Free-Range Poultry in Agogo, Ghana. <i>Foodborne Pathogens and Disease</i> , 2023, 20, 59-66.	0.8	2
940	Prevalence of extended spectrum beta lactamase and molecular detection of <i>bla</i> TEM, <i>bla</i> SHV and <i>bla</i> CTX-M genotypes among Gram negative bacilli isolates from pediatric patient population in Gaza strip. <i>BMC Infectious Diseases</i> , 2023, 23, .	1.3	7
941	A parallel and silent emerging pandemic: Antimicrobial resistance (AMR) amid COVID-19 pandemic. <i>Journal of Infection and Public Health</i> , 2023, 16, 611-617.	1.9	26
942	The Genotypic and Phenotypic Characteristics Contributing to Flomoxef Sensitivity in Clinical Isolates of ESBL-Producing <i>E. coli</i> Strains from Urinary Tract Infections. <i>Antibiotics</i> , 2023, 12, 522.	1.5	0
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