

Emergence of plasmid-mediated colistin resistance mechanisms in *Pseudomonas aeruginosa* in China: a microbiological and molecular biology study

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nature and Origin of Cells. , 1920, , 97-120.		0
2	Chromosomal 16S Ribosomal RNA Methyltransferase RmtE1 in Escherichia coli Sequence Type 448. Emerging Infectious Diseases, 2000, 23, 876-878.	2.0	7
3	Exploring the hidden potential of fosfomycin for the fight against severe Gram-negative infections. Indian Journal of Medical Microbiology, 2016, 34, 416-420.	0.3	9
4	Rapid acquisition and modulation of colistin-resistance by an extensively drug-resistant Acinetobacter baumannii: case report and review of current literature. Microbiologia Medica, 2016, 31, .	0.3	0
5	Yellow Fever in a Worker Returning to China from Angola, March 2016. Emerging Infectious Diseases, 2016, 22, 1317-1318.	2.0	19
6	<i>mcr-1</i>â€œPositive Colistin-Resistant<i> Escherichia coli</i> in Traveler Returning to Canada from China. Emerging Infectious Diseases, 2016, 22, 1673-1675.	2.0	40
7	Dietary grape seed proanthocyanidins (GSPs) improve weaned intestinal microbiota and mucosal barrier using a piglet model. Oncotarget, 2016, 7, 80313-80326.	0.8	108
8	Multidrug-Resistant Escherichia coli in Bovine Animals, Europe. Emerging Infectious Diseases, 2016, 22, 1650-1652.	2.0	33
9	Colistin-Resistant<i> mcr-1</i>â€œPositive Pathogenic<i> Escherichia coli</i> in Swine, Japan, 2007â€”2014. Emerging Infectious Diseases, 2016, 22, 1315-1317.	2.0	46
10	Possible Transmission of<i> mcr-1</i>â€œHarboring<i> Escherichia coli</i> between Companion Animals and Human. Emerging Infectious Diseases, 2016, 22, 1679-1681.	2.0	125
11	Antimicrobial resistance global emergence: healthcare facilities or environmental microbiota as the most important reservoir of antibiotic resistant microorganisms?. Microbiologia Medica, 2016, 31, .	0.3	0
12	Benefits and Challenges of Antivirulence Antimicrobials at the Dawn of the Post-Antibiotic Era. Drug Delivery Letters, 2016, 6, 30-37.	0.2	46
13	Rapid Detection of Polymyxin Resistance in<i> Enterobacteriaceae</i>. Emerging Infectious Diseases, 2016, 22, 1038-1043.	2.0	163
14	Antimicrobial resistance: are we at the dawn of the post-antibiotic era?. Journal of the Royal College of Physicians of Edinburgh, The, 2016, 46, 150-156.	0.2	13
15	ANTIBACTERIAL RESISTANCE IN PATIENTS WITH HEMATOPOIETIC STEM CELL TRANSPLANTATION. Mediterranean Journal of Hematology and Infectious Diseases, 2016, 9, e2017002.	0.5	8
16	Antimicrobial resistance in Saudi Arabia. Journal of King Abdulaziz University, Islamic Economics, 2016, 37, 935-940.	0.5	72
17	Pathogenic Lineage of<i> mcr</i>-Negative Colistin-Resistant<i> Escherichia coli</i>, Japan, 2008â€”2015. Emerging Infectious Diseases, 2016, 22, 2223-2225.	2.0	10
18	MULTIDRUG-RESISTANT AND EXTREMELY DRUG-RESISTANT BACTERIA: ARE WE FACING THE END OF THE ANTIBIOTIC ERA?. Journal of the Siena Academy of Sciences, 2016, 7, .	0.0	3

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20	Global Epidemiology on Colistin Resistant <i>Acinetobacter baumannii</i> . <i>Journal of Infectious Disease and Therapy</i> , 2016, 4, .	0.1	15
21	Chromosomal Locations of <i>mcr-1</i> and <i>bla</i> CTX-M-15 in Fluoroquinolone-Resistant <i>Escherichia coli</i> ST410. <i>Emerging Infectious Diseases</i> , 2016, 22, 1689-1691.	2.0	70
22	Outbreak of trichinellosis related to eating imported wild boar meat, Belgium, 2014. <i>Eurosurveillance</i> , 2016, 21, .	3.9	34
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35	Antibiotic Resistance in the Food Chain: A Developing Country-Perspective. <i>Frontiers in Microbiology</i> , 2016, 7, 1881.	1.5	467
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47	Prevalence and Diversity of <i>Salmonella</i> Serotypes in Ecuadorian Broilers at Slaughter Age. <i>PLoS ONE</i> , 2016, 11, e0159567.	1.1	73
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110	Amino Acid Substitutions of CrrB Responsible for Resistance to Colistin through CrrC in <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3709-3716.	1.4	112
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989	Antibiotic resistance: a rundown of a global crisis. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 1645-1658.	1.1	1,496

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991	Ozone therapy as a primary and sole treatment for acute bacterial infection: case report. <i>Medical Gas Research</i> , 2018, 8, 121.	1.2	22
992	Community-Acquired Urinary Tract Infection by <i>Escherichia coli</i> in the Era of Antibiotic Resistance. <i>BioMed Research International</i> , 2018, 2018, 1-14.	0.9	120
993	Meropenem-resistant bacteria in hospital effluents in Seoul, Korea. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 673.	1.3	7
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996	<i>Escherichia coli</i> , a Versatile Pathogen. <i>Current Topics in Microbiology and Immunology</i> , 2018, , .	0.7	5
997	Antibiotic-resistant <i>Escherichia coli</i> from retail poultry meat with different antibiotic use claims. <i>BMC Microbiology</i> , 2018, 18, 174.	1.3	91
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999	In situ identification of Gram-negative bacteria in human lungs using a topical fluorescent peptide targeting lipid A. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	59
1000	Occurrence of <i>mcr-1</i> in <i>Escherichia coli</i> from rabbits of intensive farming. <i>Veterinary Microbiology</i> , 2018, 227, 78-81.	0.8	13
1001	Optimizing therapy in carbapenem-resistant Enterobacteriaceae infections. <i>Current Opinion in Infectious Diseases</i> , 2018, 31, 566-577.	1.3	40
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1004	Detection of <i>mcr-4</i> positive <i>Salmonella enterica</i> serovar Typhimurium in clinical isolates of human origin, Italy, October to November 2016. <i>Eurosurveillance</i> , 2018, 23, .	3.9	37
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1010	Enzyme targets for drug design of new anti-virulence therapeutics. <i>Current Opinion in Structural Biology</i> , 2018, 53, 140-150.	2.6	13

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1012	MCR-1 Confers Cross-Resistance to Bacitracin, a Widely Used In-Feed Antibiotic. <i>MSphere</i> , 2018, 3, .	1.3	27
1013	Biofilm Production and Antimicrobial Resistance among Uropathogens in Pediatric Cases: a Hospital Based Study. <i>Journal of Nepal Health Research Council</i> , 2018, 16, 178-183.	0.8	1
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1015	A review on the current situation and challenges of colistin resistance in poultry production. <i>Avian Pathology</i> , 2018, 47, 546-558.	0.8	52
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1018	Cellular hysteresis as a principle to maximize the efficacy of antibiotic therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9767-9772.	3.3	81
1019	Structural and functional insights into MCR-2 mediated colistin resistance. <i>Science China Life Sciences</i> , 2018, 61, 1432-1436.	2.3	5
1020	Antimicrobial resistance plasmid reservoir in food and food-producing animals. <i>Plasmid</i> , 2018, 99, 72-81.	0.4	68
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1024	Novel <i>mcr-5.3</i> variant in a CTX-M-8-producing <i>Escherichia coli</i> ST711 isolated from an infected horse. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 3520-3522.	1.3	15
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1032	Present and Future Surveillance of Antimicrobial Resistance in Animals: Principles and Practices. , 2018, , 595-618.		4
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1034	Antimicrobial Resistance in <i>Stenotrophomonas</i> spp.. , 2018, , 409-423.		0
1035	Antimicrobial Resistance in Nontyphoidal <i>Salmonella</i> . , 0, , 261-287.		11
1036	Antimicrobial Stewardship in Veterinary Medicine. , 0, , 675-697.		6
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1038	Molecular Methods for Detection of Antimicrobial Resistance. , 0, , 33-50.		8
1039	Antimicrobial Resistance in <i>Acinetobacter</i> spp. and <i>Pseudomonas</i> spp.. , 0, , 377-393.		6
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1051	Guidelines for the treatment of dysentery (shigellosis): a systematic review of the evidence. <i>Paediatrics and International Child Health</i> , 2018, 38, S50-S65.	0.3	102
1052	Rapid resolution of multi-drug resistance bacterial genome harbouring <i>mcr-1</i> and <i>bla</i> CMY-2 using MinION sequencing platform. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 303-304.	1.1	0
1053	Association of Colistin-Resistant KPC Clonal Strains with Subsequent Infections and Colonization and Biofilm Production. <i>Microbial Drug Resistance</i> , 2018, 24, 1441-1449.	0.9	6
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1061	Phages & antibiotic resistance: are the most abundant entities on earth ready for a comeback?. <i>Future Microbiology</i> , 2018, 13, 711-726.	1.0	29
1062	Meridianin D Analogues Display Antibiofilm Activity against MRSA and Increase Colistin Efficacy in Gram-Negative Bacteria. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 702-707.	1.3	45
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1064	Prevalence of <i>mcr</i> -type genes among colistin-resistant <i>Enterobacteriaceae</i> collected in 2014-2016 as part of the INFORM global surveillance program. <i>PLoS ONE</i> , 2018, 13, e0195281.	1.1	75

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1067	Antimicrobial Stewardship in Veterinary Medicine. <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	50
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1071	Antimicrobial resistance in South East Asia: time to ask the right questions. <i>Global Health Action</i> , 2018, 11, 1483637.	0.7	45
1072	Emergence of a novel mobile colistin resistance gene, <i>mcr-8</i> , in NDM-producing <i>Klebsiella pneumoniae</i> . <i>Emerging Microbes and Infections</i> , 2018, 7, 1-9.	3.0	404
1073	Antimicrobial Resistance in the Food Chain in the European Union. <i>Advances in Food and Nutrition Research</i> , 2018, 86, 115-136.	1.5	45
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1076	Synergistic Activity of Colistin-Containing Combinations against Colistin-Resistant Enterobacteriaceae. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	78
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1079	Mobile Genetic Elements Associated with Antimicrobial Resistance. <i>Clinical Microbiology Reviews</i> , 2018, 31, .	5.7	1,355
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1081	Genomic Characterization of MDR <i>Escherichia coli</i> Harboring <i>bla</i> _{OXA-48} on the IncL/M-type Plasmid Isolated from Blood Stream Infection. <i>BioMed Research International</i> , 2018, 1-8.	0.9	9
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1085	Heterogeneous and Flexible Transmission of <i>mcr-1</i> in Hospital-Associated <i>Escherichia coli</i> . <i>MBio</i> , 2018, 9, .	1.8	54
1086	Antimicrobial Resistance: Its Surveillance, Impact, and Alternative Management Strategies in Dairy Animals. <i>Frontiers in Veterinary Science</i> , 2017, 4, 237.	0.9	166
1087	Multiple mutations in lipid-A modification pathway & novel <i>fosA</i> variants in colistin-resistant <i>Klebsiella pneumoniae</i> . <i>Future Science OA</i> , 2018, 4, FSO319.	0.9	30
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1089	Primer set 2.0 for highly parallel qPCR array targeting antibiotic resistance genes and mobile genetic elements. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	95
1090	Collateral damage of using colistin in hospitalized patients on emergence of colistin-resistant <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> colonization and infection. <i>Antimicrobial Resistance and Infection Control</i> , 2018, 7, 84.	1.5	20
1091	Detection of <i>mcr-1</i> Plasmids in <i>Enterobacteriaceae</i> Isolates From Human Specimens: Comparison With Those in <i>Escherichia coli</i> Isolates From Livestock in Korea. <i>Annals of Laboratory Medicine</i> , 2018, 38, 555-562.	1.2	23
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1097	A one-health approach to antimicrobial resistance. <i>Nature Microbiology</i> , 2018, 3, 854-855.	5.9	80
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1099	Integrative Physiology of Pneumonia. <i>Physiological Reviews</i> , 2018, 98, 1417-1464.	13.1	154
1100	Genomic characterization of extensively drug-resistant <i>Acinetobacter baumannii</i> strain, KAB03 belonging to ST451 from Korea. <i>Infection, Genetics and Evolution</i> , 2018, 65, 150-158.	1.0	9
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1103	Colonization, Infection, and the Accessory Genome of <i>Klebsiella pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 4.	1.8	515
1104	Alkaline Peptone Water-Based Enrichment Method for <i>mcr-3</i> From Acute Diarrheic Outpatient Gut Samples. <i>Frontiers in Medicine</i> , 2018, 5, 99.	1.2	8
1105	A P7 Phage-Like Plasmid Carrying <i>mcr-1</i> in an ST15 <i>Klebsiella pneumoniae</i> Clinical Isolate. <i>Frontiers in Microbiology</i> , 2018, 9, 11.	1.5	33
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1113	Evidence for Environmental Dissemination of Antibiotic Resistance Mediated by Wild Birds. <i>Frontiers in Microbiology</i> , 2018, 9, 745.	1.5	45
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1115	Characteristics of Carbapenem-Resistant Enterobacteriaceae in Ready-to-Eat Vegetables in China. <i>Frontiers in Microbiology</i> , 2018, 9, 1147.	1.5	54
1116	Molecular Epidemiology of <i>mcr</i> -Encoded Colistin Resistance in Enterobacteriaceae From Food-Producing Animals in Italy Revealed Through the EU Harmonized Antimicrobial Resistance Monitoring. <i>Frontiers in Microbiology</i> , 2018, 9, 1217.	1.5	74
1117	Antimicrobial Resistance in <i>Escherichia coli</i> . <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	406
1118	Molecular Characterization and Antimicrobial Resistance Pattern of <i>Escherichia coli</i> Recovered from Wastewater Treatment Plants in Eastern Cape South Africa. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1237.	1.2	38
1119	Novel Antibacterials: Alternatives to Traditional Antibiotics. <i>Advances in Microbial Physiology</i> , 2018, 73, 123-169.	1.0	48

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1122	Prevalence and Molecular Characterization of <i>Escherichia coli</i> Clinical Isolates Carrying <i>mcr-1</i> in a Chinese Teaching Hospital from 2002 to 2016. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	15
1123	A Rapid and Semi-Quantitative Gold Nanoparticles Based Strip Sensor for Polymyxin B Sulfate Residues. <i>Nanomaterials</i> , 2018, 8, 144.	1.9	34
1124	Co-harboring of cephalosporin (<i>bla</i>)/colistin (<i>mcr</i>) resistance genes among Enterobacteriaceae from flies in Thailand. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	22
1125	Present and Future Surveillance of Antimicrobial Resistance in Animals: Principles and Practices. <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	24
1126	Screening for fecal presence of colistin-resistant <i>Escherichia coli</i> and <i>mcr-1</i> and <i>mcr-2</i> genes in camel-calves in southern Tunisia. <i>Acta Veterinaria Scandinavica</i> , 2018, 60, 35.	0.5	15
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1130	Antimicrobial Resistance in Nontyphoidal <i>Salmonella</i> . <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	93
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1135	Prevalence and molecular characterization of <i>oqxAB</i> in clinical <i>Escherichia coli</i> isolates from companion animals and humans in Henan Province, China. <i>Antimicrobial Resistance and Infection Control</i> , 2018, 7, 18.	1.5	12
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1215	Multiplex loop-mediated isothermal amplification (multi-LAMP) assay for rapid detection of <i>mcr-1</i> to <i>mcr-5</i> in colistin-resistant bacteria. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 1877-1887.	1.1	30
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1925	Insights into <i>Acinetobacter baumannii</i> : A Review of Microbiological, Virulence, and Resistance Traits in a Threatening Nosocomial Pathogen. <i>Antibiotics</i> , 2020, 9, 119.	1.5	230
1926	Detection of multidrug- and colistin-resistant <i>Salmonella Choleraesuis</i> causing bloodstream infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2009-2010.	1.3	6
1927	Prevalence and Molecular Characteristics of Avian-Origin <i>mcr-1</i> -Harboring <i>Escherichia coli</i> in Shandong Province, China. <i>Frontiers in Microbiology</i> , 2020, 11, 255.	1.5	14
1928	Calycosin enhances the bactericidal efficacy of polymyxin B by inhibiting MCR in <i>in vitro</i> . <i>Journal of Applied Microbiology</i> , 2020, 129, 532-540.	1.4	9
1929	Gulls as Sources of Environmental Contamination by Colistin-resistant Bacteria. <i>Scientific Reports</i> , 2020, 10, 4408.	1.6	37
1930	Natural Products as Sources of New Drugs over the Nearly Four Decades from 01/1981 to 09/2019. <i>Journal of Natural Products</i> , 2020, 83, 770-803.	1.5	3,162
1931	Alterations in AdeS and AdeR regulatory proteins in 1-(1-naphthylmethyl)-piperazine responsive colistin resistance of <i>Acinetobacter baumannii</i> . <i>Journal of Chemotherapy</i> , 2020, 32, 286-293.	0.7	7
1932	Antibiotic-Resistant Bacteria in Wildlife. <i>Handbook of Environmental Chemistry</i> , 2020, , 19-70.	0.2	7
1933	The microbiome and resistome of chimpanzees, gorillas, and humans across host lifestyle and geography. <i>ISME Journal</i> , 2020, 14, 1584-1599.	4.4	78
1934	Recent applications of mass spectrometry in bacterial lipidomics. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5935-5943.	1.9	20
1935	Evaluation of the susceptibility test of polymyxin B using the commercial test Policimbac®. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1135-1137.	0.8	5
1936	Drug and multidrug resistance in waterborne pathogens. , 2020, , 279-300.		1
1937	Occurrence and abundance of clinically relevant antimicrobial resistance genes in environmental samples after the Brumadinho dam disaster, Brazil. <i>Science of the Total Environment</i> , 2020, 726, 138100.	3.9	31
1938	Development of a Multiplex Real-Time PCR Assay for Rapid Detection of Tigecycline Resistance Gene <i>tet(X)</i> Variants from Bacterial, Fecal, and Environmental Samples. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	8
1939	Integrated metagenomic and metatranscriptomic profiling reveals differentially expressed resistomes in human, chicken, and pig gut microbiomes. <i>Environment International</i> , 2020, 138, 105649.	4.8	51
1940	Metadata Analysis of <i>mcr-1</i> -Bearing Plasmids Inspired by the Sequencing Evidence for Horizontal Transfer of Antibiotic Resistance Genes Between Polluted River and Wild Birds. <i>Frontiers in Microbiology</i> , 2020, 11, 352.	1.5	18
1941	Antimicrobial resistance genes in Andean foxes inhabiting anthropized landscapes in central Chile. <i>Science of the Total Environment</i> , 2020, 724, 138247.	3.9	17

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1942	Co-Existence of <i>mcr-1</i> and <i>bla</i> _{NDM-5} in an <i>Escherichia coli</i> Strain Isolated from the Pharmaceutical Industry, WWTP. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 851-854.	1.1	14
1943	Targeting Plasmids to Limit Acquisition and Transmission of Antimicrobial Resistance. <i>Frontiers in Microbiology</i> , 2020, 11, 761.	1.5	83
1944	Fluopsin C: a potential candidate against the deadly drug-resistant microbial infections in humans. <i>Future Microbiology</i> , 2020, 15, 381-384.	1.0	2
1945	Fitness Cost of <i>bla</i> _{NDM-5} -Carrying <i>p3R-IncX3</i> Plasmids in Wild-Type NDM-Free Enterobacteriaceae. <i>Microorganisms</i> , 2020, 8, 377.	1.6	40
1946	Lineage, Antimicrobial Resistance and Virulence of <i>Citrobacter</i> spp. <i>Pathogens</i> , 2020, 9, 195.	1.2	21
1947	Differential expression of Tim-3, PD-1, and CCR5 on peripheral T and B lymphocytes in hepatitis C virus-related hepatocellular carcinoma and their impact on treatment outcomes. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 1253-1263.	2.0	11
1948	Patterns of Inpatient Antibiotic Use Among Public Hospitals in Hong Kong from 2000 to 2015. <i>Drug Safety</i> , 2020, 43, 595-606.	1.4	9
1949	Farm animals and aquaculture: significant reservoirs of mobile colistin resistance genes. <i>Environmental Microbiology</i> , 2020, 22, 2469-2484.	1.8	68
1950	Metagenomic analysis reveals the microbiome and resistome in migratory birds. <i>Microbiome</i> , 2020, 8, 26.	4.9	109
1951	Development of a Novel <i>mcr-6</i> to <i>mcr-9</i> Multiplex PCR and Assessment of <i>mcr-1</i> to <i>mcr-9</i> Occurrence in Colistin-Resistant <i>Salmonella enterica</i> Isolates From Environment, Feed, Animals and Food (2011–2018) in Germany. <i>Frontiers in Microbiology</i> , 2020, 11, 80.	1.5	118
1952	Retrospective Screening and Analysis of <i>mcr-1</i> and <i>bla</i> _{NDM} in Gram-Negative Bacteria in China, 2010–2019. <i>Frontiers in Microbiology</i> , 2020, 11, 121.	1.5	17
1953	Zoonosis: An Emerging Link to Antibiotic Resistance Under “One Health Approach”. <i>Indian Journal of Microbiology</i> , 2020, 60, 139-152.	1.5	61
1954	Programmable antibiotic delivery to combat methicillin-resistant <i>Staphylococcus aureus</i> through precision therapy. <i>Journal of Controlled Release</i> , 2020, 321, 710-717.	4.8	16
1955	Inactivation of <i>mgrB</i> gene regulator and resistance to colistin is becoming endemic in carbapenem-resistant <i>Klebsiella pneumoniae</i> in Greece: A nationwide study from 2014 to 2017. <i>International Journal of Antimicrobial Agents</i> , 2020, 55, 105930.	1.1	26
1956	Emergence of a Plasmid-Encoded Resistance-Nodulation-Division Efflux Pump Conferring Resistance to Multiple Drugs, Including Tigecycline, in <i>Klebsiella pneumoniae</i> . <i>MBio</i> , 2020, 11, .	1.8	153
1957	Mass bathing events in River Kshipra, Central India- influence on the water quality and the antibiotic susceptibility pattern of commensal <i>E.coli</i> . <i>PLoS ONE</i> , 2020, 15, e0229664.	1.1	11
1958	Evaluation of the in vitro activity of new polymyxin B analogue SPR206 against clinical MDR, colistin-resistant and tigecycline-resistant Gram-negative bacilli. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2609-2615.	1.3	30
1959	Genomic Characterization of <i>mcr-1</i> -carrying <i>Salmonella enterica</i> Serovar 4,[5],12:i:- ST 34 Clone Isolated From Pigs in China. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 663.	2.0	42

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1960	Co-occurrence of Antibiotic and Heavy Metal Resistance and Sequence Type Diversity of <i>Vibrio parahaemolyticus</i> Isolated From <i>Penaeus vannamei</i> at Freshwater Farms, Seawater Farms, and Markets in Zhejiang Province, China. <i>Frontiers in Microbiology</i> , 2020, 11, 1294.	1.5	35
1961	Antibiotic Consumption on Dairy and Beef Cattle Farms of Central Italy Based on Paper Registers. <i>Antibiotics</i> , 2020, 9, 273.	1.5	23
1962	Colistin resistance in China: from outer membrane to One Health. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1106-1108.	4.6	3
1963	Dissemination of Carbapenemases (KPC, NDM, OXA-48, IMP, and VIM) Among Carbapenem-Resistant Enterobacteriaceae Isolated From Adult and Children Patients in China. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 314.	1.8	179
1964	Importance of efflux pumps in subjugating antibiotic resistance. , 2020, , 273-299.		3
1965	Analogues of a Cyclic Antimicrobial Peptide with a Flexible Linker Show Promising Activity against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>Antibiotics</i> , 2020, 9, 366.	1.5	11
1966	Solid-Phase PCR-Amplified DNase Activity for Real-Time FO-SPR Detection of the MCR-2 Gene. <i>Analytical Chemistry</i> , 2020, 92, 10783-10791.	3.2	24
1967	Difficulty in detecting low levels of polymyxin resistance in clinical <i>Klebsiella pneumoniae</i> isolates: evaluation of Rapid Polymyxin NP test, Colispot Test and SuperPolymyxin medium. <i>New Microbes and New Infections</i> , 2020, 36, 100722.	0.8	9
1968	A TaqMan-based multiplex real-time PCR assay for the rapid detection of tigecycline resistance genes from bacteria, faeces and environmental samples. <i>BMC Microbiology</i> , 2020, 20, 174.	1.3	4
1969	<p>Characterization of a Novel mcr-8.2 Bearing Plasmid in ST395 Klebsiella pneumoniae of Chicken Origin</p>. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 1781-1784.	1.1	5
1970	Molecular mechanisms and prevalence of colistin resistance of <i>Klebsiella pneumoniae</i> in the Middle East region: A review over the last 5 years. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 625-630.	0.9	28
1971	First report of plasmid-mediated colistin resistance <i>mcr-8.1</i> gene from a clinical <i>Klebsiella pneumoniae</i> isolate from Lebanon. <i>Antimicrobial Resistance and Infection Control</i> , 2020, 9, 94.	1.5	22
1972	How antibiotics are used in pig farming: a mixed-methods study of pig farmers, feed mills and veterinarians in Thailand. <i>BMJ Global Health</i> , 2020, 5, e001918.	2.0	44
1973	Phenotypic and Genotypic Antimicrobial Resistance in Non-O157 Shiga Toxin-Producing <i>Escherichia coli</i> Isolated From Cattle and Swine in Chile. <i>Frontiers in Veterinary Science</i> , 2020, 7, 367.	0.9	14
1974	Prevalence of avian-origin <i>mcr-1</i> positive <i>Escherichia coli</i> with a potential risk to humans in Tai'an, China. <i>Poultry Science</i> , 2020, 99, 5118-5126.	1.5	9
1975	On the edge of a precipice: the global emergence and dissemination of plasmid-borne <i>mcr</i> genes that confer resistance to colistin, a last-resort antibiotic. , 2020, , 155-182.		4
1976	CpxR regulates the colistin susceptibility of <i>Salmonella Typhimurium</i> by a multitarget mechanism. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2780-2786.	1.3	11
1977	The impact of antimicrobial resistance in the environment on public health. <i>Future Microbiology</i> , 2020, 15, 699-702.	1.0	9

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1978	Characterization and source identification of antibiotic resistance genes in the sediments of an interconnected river-lake system. <i>Environment International</i> , 2020, 137, 105538.	4.8	80
1979	Evolving Populations in Biofilms Contain More Persistent Plasmids. <i>Molecular Biology and Evolution</i> , 2020, 37, 1563-1576.	3.5	35
1980	Carriage of Distinct <i>mcrA</i> Harboring Plasmids by Unusual Serotypes of <i>Salmonella</i> . <i>Advanced Biology</i> , 2020, 4, e1900219.	3.0	23
1981	Epidemiology of colistin-resistant, carbapenemase-producing Enterobacteriaceae and <i>Acinetobacter baumannii</i> in Croatia. <i>Infection, Genetics and Evolution</i> , 2020, 81, 104263.	1.0	34
1982	Identification of novel mobile colistin resistance gene <i>mcr-10</i> . <i>Emerging Microbes and Infections</i> , 2020, 9, 508-516.	3.0	346
1983	<i>Escherichia coli</i> ST302: Genomic Analysis of Virulence Potential and Antimicrobial Resistance Mediated by Mobile Genetic Elements. <i>Frontiers in Microbiology</i> , 2020, 10, 3098.	1.5	14
1984	Effect of Different Media on the Bactericidal Activity of Colistin and on the Synergistic Combination With Azidothymidine Against <i>mcr-1</i> -Positive Colistin-Resistant <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 54.	1.5	15
1985	Genomic Characterization of New Variant of Hydrogen Sulfide (H ₂ S)-Producing <i>Escherichia coli</i> with Multidrug Resistance Properties Carrying the <i>mcr-1</i> Gene in China. <i>Antibiotics</i> , 2020, 9, 80.	1.5	22
1986	The intersection of capsule gene expression, hypermucoviscosity and hypervirulence in <i>Klebsiella pneumoniae</i> . <i>Current Opinion in Microbiology</i> , 2020, 54, 95-102.	2.3	64
1987	How do bacterial membranes resist polymyxin antibiotics?. <i>Communications Biology</i> , 2020, 3, 77.	2.0	41
1988	Reorganization of <i>mcr-1</i> -bearing large MDR plasmids resolved by nanopore sequencing. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1645-1647.	1.3	14
1989	Clinical outcomes of ceftazidime-avibactam in lung transplant recipients with infections caused by extensively drug-resistant gram-negative bacilli. <i>Annals of Translational Medicine</i> , 2020, 8, 39-39.	0.7	21
1990	Antibiotic resistant and extended-spectrum β -lactamase producing faecal coliforms in wastewater treatment plant effluent. <i>Environmental Pollution</i> , 2020, 262, 114244.	3.7	23
1991	Multidrug-Resistant <i>Escherichia coli</i> Strain Isolated from Swine in China Harbors <i>mcr-3.1</i> on a Plasmid of the IncX1 Type That Cotransfers with <i>mcr-1.1</i> . <i>Foodborne Pathogens and Disease</i> , 2020, 17, 597-601.	0.8	4
1992	The Lancet Infectious Diseases Commission on antimicrobial resistance: 6 years later. <i>Lancet Infectious Diseases</i> , The, 2020, 20, e51-e60.	4.6	161
1993	Innovative and rapid antimicrobial susceptibility testing systems. <i>Nature Reviews Microbiology</i> , 2020, 18, 299-311.	13.6	204
1994	Prevalence of extended-spectrum β -lactamases in the local farm environment and livestock: challenges to mitigate antimicrobial resistance. <i>Critical Reviews in Microbiology</i> , 2020, 46, 1-14.	2.7	52
1995	Rapid detection and characterization of tet(X4)-positive <i>Escherichia coli</i> strains with nanopore sequencing. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1068-1070.	1.3	14

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1996	Chemical Constituents and Antileishmanial and Antibacterial Activities of Essential Oils from <i>Scheelea phalerata</i> . ACS Omega, 2020, 5, 1363-1370.	1.6	4
1997	Simple amphiphilic \pm -hydrazido acids: Rational design, synthesis, and in vitro bioactivity profile of a novel class of potential antimicrobial compounds. European Journal of Medicinal Chemistry, 2020, 189, 112072.	2.6	5
1998	Isoalantolactone restores the sensitivity of gram-negative <i>Enterobacteriaceae</i> carrying MCR-1 to carbapenems. Journal of Cellular and Molecular Medicine, 2020, 24, 2475-2483.	1.6	14
2000	Antibiotic resistance: turning evolutionary principles into clinical reality. FEMS Microbiology Reviews, 2020, 44, 171-188.	3.9	154
2001	KPC-2-producing <i>Klebsiella pneumoniae</i> ST147 in a neonatal unit: Clonal isolates with differences in colistin susceptibility attributed to AcrAB-TolC pump. International Journal of Antimicrobial Agents, 2020, 55, 105903.	1.1	36
2002	Emergence of colistin-resistant Gram-negative Enterobacterales in the gut of patients receiving oral colistin and neomycin decontamination. Journal of Infection, 2020, 80, 578-606.	1.7	5
2003	Winter is coming – Impact of temperature on the variation of beta-lactamase and mcr genes in a wastewater treatment plant. Science of the Total Environment, 2020, 712, 136499.	3.9	55
2004	Colistin resistance in Gram-negative ocular infections: prevalence, clinical outcome and antibiotic susceptibility patterns. International Ophthalmology, 2020, 40, 1307-1317.	0.6	10
2005	Intact pap2 downstream of mcr-1 appears to be required for colistin resistance. Diagnostic Microbiology and Infectious Disease, 2020, 97, 114997.	0.8	13
2006	Intestinal carriage of colistin resistant Enterobacteriaceae in hospitalized patients from an Indian center. Diagnostic Microbiology and Infectious Disease, 2020, 97, 114998.	0.8	7
2007	Integrating multiple genomic technologies to investigate an outbreak of carbapenemase-producing <i>Enterobacter hormaechei</i> . Nature Communications, 2020, 11, 466.	5.8	34
2008	Development of chimeric peptides to facilitate the neutralisation of lipopolysaccharides during bactericidal targeting of multidrug-resistant <i>Escherichia coli</i> . Communications Biology, 2020, 3, 41.	2.0	39
2009	Prevalence of Antimicrobial Resistance Genes and Integrons in Commensal Gram-Negative Bacteria in a College Community. Microbial Drug Resistance, 2020, 26, 1227-1235.	0.9	11
2010	Colistin Combined With Tigecycline: A Promising Alternative Strategy to Combat <i>Escherichia coli</i> Harboring blaNDM-5 and mcr-1. Frontiers in Microbiology, 2019, 10, 2957.	1.5	23
2011	Bacteria From the Multi-Contaminated Tinto River Estuary (SW, Spain) Show High Multi-Resistance to Antibiotics and Point to <i>Paenibacillus</i> spp. as Antibiotic-Resistance-Dissemination Players. Frontiers in Microbiology, 2020, 10, 3071.	1.5	11
2012	Molecular mechanisms of collateral sensitivity to the antibiotic nitrofurantoin. PLoS Biology, 2020, 18, e3000612.	2.6	53
2013	IncX4 Plasmid-Mediated mcr-1.1 in Polymyxin-Resistant <i>Escherichia coli</i> from Outpatients in Santa Catarina, Southern Brazil. Microbial Drug Resistance, 2020, 26, 1326-1333.	0.9	6
2014	Genomic Characterization of Antibiotic Resistant <i>Escherichia coli</i> Isolated From Domestic Chickens in Pakistan. Frontiers in Microbiology, 2019, 10, 3052.	1.5	23

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2015	Novel <i>N</i> -Acyl- <i>H</i> -imidazole- <i>C</i> -carbothioamides: Design, Synthesis, Biological and Computational Studies. <i>Chemistry and Biodiversity</i> , 2020, 17, e1900509.	1.0	25
2016	Photodynamic treatment with cationic Ir(III) complexes induces a synergistic antimicrobial effect with imipenem over carbapenem-resistant <i>Klebsiella pneumoniae</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101662.	1.3	13
2017	Study reporting quality among interventions to reduce antibiotic use is a barrier to evidence-informed policymaking on antimicrobial resistance: systematic review. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1091-1098.	1.3	6
2018	Detection of the emergence of <i>mcr-1</i> -mediated colistin-resistant <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> through a hospital-based surveillance in an oncology center in eastern India. <i>Infection Control and Hospital Epidemiology</i> , 2020, 41, 378-380.	1.0	8
2019	Presence of heavy metal resistance genes in <i>Escherichia coli</i> and <i>Salmonella</i> isolates and analysis of resistance gene structure in <i>E. coli</i> E308. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 21, 420-426.	0.9	46
2020	The dynamic of antibiotic resistance in commensal <i>Escherichia coli</i> throughout the growing period in broiler chickens: fast-growing vs. slow-growing breeds. <i>Poultry Science</i> , 2020, 99, 1591-1597.	1.5	19
2021	A Glycosylated Cationic Block Poly(α -peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie</i> , 2020, 132, 6886-6893.	1.6	11
2022	Polymyxin Susceptibility Testing and Interpretive Breakpoints: Recommendations from the United States Committee on Antimicrobial Susceptibility Testing (USCAST). <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	32
2023	Colistin-resistant <i>Escherichia coli</i> carrying <i>mcr-1</i> in food, water, hand rinse, and healthy human gut in Bangladesh. <i>Gut Pathogens</i> , 2020, 12, 5.	1.6	35
2024	Widespread illegal sales of antibiotics in Chinese pharmacies – a nationwide cross-sectional study. <i>Antimicrobial Resistance and Infection Control</i> , 2020, 9, 12.	1.5	22
2025	Overview of Evidence of Antimicrobial Use and Antimicrobial Resistance in the Food Chain. <i>Antibiotics</i> , 2020, 9, 49.	1.5	96
2026	Antimicrobial Resistance and Food Animals: Influence of Livestock Environment on the Emergence and Dissemination of Antimicrobial Resistance. <i>Antibiotics</i> , 2020, 9, 52.	1.5	64
2027	Synergistic China-US Ecological Research is Essential for Global Emerging Infectious Disease Preparedness. <i>EcoHealth</i> , 2020, 17, 160-173.	0.9	30
2028	Mechanism of polyamine induced colistin resistance through electrostatic networks on bacterial outer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183297.	1.4	16
2029	Emergence of a multidrug-resistant ST 27 <i>Escherichia coli</i> co-harboring <i>bla</i> NDM-1, <i>mcr-1</i> , and <i>fosA3</i> from a patient in China. <i>Journal of Antibiotics</i> , 2020, 73, 636-641.	1.0	7
2030	In Vivo Development of Polymyxin B Resistance in <i>Klebsiella pneumoniae</i> owing to a 42%bp Deletion in the Sequence of <i>phoQ</i> . <i>BioMed Research International</i> , 2020, 2020, 1-6.	0.9	3
2031	Resistance of <i>Klebsiella pneumoniae</i> Strains Carrying <i>bla</i> NDM-1 Gene and the Genetic Environment of <i>bla</i> NDM-1. <i>Frontiers in Microbiology</i> , 2020, 11, 700.	1.5	15
2032	A Novel Transposon, <i>Tn</i> 6518, Mediated Transfer of <i>mcr-3</i> Variant in ESBL-Producing <i>Aeromonas veronii</i> . <i>Infection and Drug Resistance</i> , 2020, Volume 13, 893-899.	1.1	7

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2033	Extrachromosomal DNAâ€”relieving heredity constraints, accelerating tumour evolution. <i>Annals of Oncology</i> , 2020, 31, 884-893.	0.6	66
2034	Co-occurrence of <i>mcr-1</i> mediated colistin resistance and Î²-lactamase-encoding genes in multidrug-resistant <i>Escherichia coli</i> from broiler chickens with colibacillosis in Tunisia. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 538-545.	0.9	27
2035	Novel IS26-mediated hybrid plasmid harbouring tet(X4) in <i>Escherichia coli</i> . <i>Journal of Global Antimicrobial Resistance</i> , 2020, 21, 162-168.	0.9	31
2036	Validation of a screening method for the detection of colistin-resistant <i>E. coli</i> containing <i>mcr-1</i> in feral swine feces. <i>Journal of Microbiological Methods</i> , 2020, 172, 105892.	0.7	2
2037	Comparison of the recommended colistin susceptibility testing methods with colistin gradient strips and semi-automated method for antimicrobial-resistant non-fermenting rods. <i>Journal of Microbiological Methods</i> , 2020, 172, 105905.	0.7	5
2038	Anti-HIV agent azidothymidine decreases Tet(X)-mediated bacterial resistance to tigecycline in <i>Escherichia coli</i> . <i>Communications Biology</i> , 2020, 3, 162.	2.0	41
2039	Global clonal spread of <i>mcr-3</i> -carrying MDR ST34 <i>Salmonella enterica</i> serotype Typhimurium and monophasic 1,4,[5],12:i:â€” variants from clinical isolates. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1756-1765.	1.3	37
2040	Detection of multidrug-resistant Gram-negative bacteria from imported reptile and amphibian meats. <i>Journal of Applied Microbiology</i> , 2020, 129, 1053-1061.	1.4	6
2041	<i>In vitro</i> mechanism of antibacterial action of a citrus essential oil on an enterotoxigenic <i>Escherichia coli</i> and <i>Lactobacillus rhamnosus</i> . <i>Journal of Applied Microbiology</i> , 2020, 129, 541-553.	1.4	14
2042	Diverse and Flexible Transmission of <i>fosA3</i> Associated with Heterogeneous Multidrug Resistance Regions in <i>Salmonella enterica</i> Serovar Typhimurium and Indiana Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	9
2043	Proteomic Changes of <i>Klebsiella pneumoniae</i> in Response to Colistin Treatment and <i>crrB</i> Mutation-Mediated Colistin Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	27
2044	Honokiol Restores Polymyxin Susceptibility to MCR-1-Positive Pathogens both <i>In Vitro</i> and <i>In Vivo</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	20
2045	Emergence of Mobile Colistin Resistance (<i>mcr-8</i>) in a Highly Successful <i>Klebsiella pneumoniae</i> Sequence Type 15 Clone from Clinical Infections in Bangladesh. <i>MSphere</i> , 2020, 5, .	1.3	27
2046	<i>In vitro</i> Activity of Apramycin Against Carbapenem-Resistant and Hypervirulent <i>Klebsiella pneumoniae</i> Isolates. <i>Frontiers in Microbiology</i> , 2020, 11, 425.	1.5	35
2047	Investigating Bacteriophages Targeting the Opportunistic Pathogen <i>Acinetobacter baumannii</i> . <i>Antibiotics</i> , 2020, 9, 200.	1.5	26
2048	Emergence of a Multidrug-Resistant <i>Enterobacter hormaechei</i> Clinical Isolate from Egypt Co-Harboring <i>mcr-9</i> and <i>blaVIM-4</i> . <i>Microorganisms</i> , 2020, 8, 595.	1.6	32
2049	Heterogeneous Strategies to Eliminate Intracellular Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2020, 11, 563.	1.5	22
2050	Occurrence and genetic characteristics of <i>mcr-1</i> -positive colistin-resistant <i>E. coli</i> from poultry environments in Bangladesh. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 546-552.	0.9	31

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2051	Colistin and its role in the Era of antibiotic resistance: an extended review (2000â€“2019). <i>Emerging Microbes and Infections</i> , 2020, 9, 868-885.	3.0	349
2052	Genetic Relatedness of NDM-Producing <i>Klebsiella pneumoniae</i> Co-Occurring VIM, KPC, and OXA-48 Enzymes from Surveillance Cultures from an Intensive Care Unit. <i>Microbial Drug Resistance</i> , 2020, 26, 1219-1226.	0.9	11
2053	Antibiotic-resistant <i>Escherichia coli</i> ; isolated from urban rodents in Hanoi, Vietnam. <i>Journal of Veterinary Medical Science</i> , 2020, 82, 653-660.	0.3	16
2054	Massive analysis of 64,628 bacterial genomes to decipher water reservoir and origin of mobile colistin resistance genes: is there another role for these enzymes?. <i>Scientific Reports</i> , 2020, 10, 5970.	1.6	48
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2323	Novel <i>mcr-3.40</i> variant co-located with <i>mcr-2.3</i> and <i>bla</i> _{CTX-M-63} on an IncHI1B/IncFIB plasmid found in <i>Klebsiella pneumoniae</i> from a healthy carrier in Thailand. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2218-2220.	1.3	9
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2333	A Molecular Perspective on Colistin and <i>Klebsiella pneumoniae</i> : Mode of Action, Resistance Genetics, and Phenotypic Susceptibility. <i>Diagnostics</i> , 2021, 11, 1165.	1.3	15
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2371	Anticonjugation and Antibiofilm Evaluation of Probiotic Strains <i>Lactobacillus plantarum</i> 22F, 25F, and <i>Pediococcus acidilactici</i> 72N Against <i>Escherichia coli</i> Harboring <i>mcr-1</i> Gene. <i>Frontiers in Veterinary Science</i> , 2021, 8, 614439.	0.9	10
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3065	Genetic Characterization of Colistin-Resistant <i>Salmonella enterica</i> ST34 Co-Harboring Plasmid-Borne <i>mcr-1</i> , <i>bla</i> CTX-M-15 and <i>bla</i> KPC-2 Recovered from a Paediatric Patient in Shenzhen, China. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 757-763.	1.1	8
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3076	Screening of Colistin-Resistant Bacteria in Domestic Pets from France. <i>Animals</i> , 2022, 12, 633.	1.0	7
3077	First Report of Extended-Spectrum β -Lactamase (<i>bla</i> CTX-M1) and Colistin Resistance Gene <i>mcr-1</i> in <i>E. coli</i> of Lineage ST648 from Cockroaches in Tunisia. <i>Microbiology Spectrum</i> , 2022, 10, e0003621.	1.2	4
3078	Molecular Epidemiology and Colistin-Resistant Mechanism of <i>mcr</i> -Positive and <i>mcr</i> -Negative <i>Escherichia coli</i> Isolated From Animal in Sichuan Province, China. <i>Frontiers in Microbiology</i> , 2022, 13, 818548.	1.5	9
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3085	Prevalence and Characteristics of <i>mcr-1</i> -Producing <i>Escherichia coli</i> in Three Kinds of Poultry in Changsha, China. <i>Frontiers in Microbiology</i> , 2022, 13, 840520.	1.5	5
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3096	Mobile Colistin Resistance Genetic Determinants of Non-Typhoid <i>Salmonella enterica</i> Isolates from Russia. <i>Microorganisms</i> , 2021, 9, 2515.	1.6	7
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3288	Genomic Analysis of Group B <i>Streptococcus</i> from Neonatal Sepsis Reveals Clonal CC17 Expansion and Virulence- and Resistance-Associated Traits After Intrapartum Antibiotic Prophylaxis. <i>Clinical Infectious Diseases</i> , 2022, 75, 2153-2160.	2.9	4
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3290	Complete Genome Sequence of Colistin-Resistant, <i>mcr-10</i> -Harboring, <i>Enterobacter cloacae</i> Isolate AVS0889, Recovered from River Water in Switzerland. <i>Microbiology Resource Announcements</i> , 2022, 11, e0016522.	0.3	1
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3294	KPC-3-, GES-5-, and VIM-1-Producing Enterobacterales Isolated from Urban Ponds. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5848.	1.2	5
3295	The StkSR Two-Component System Influences Colistin Resistance in <i>Acinetobacter baumannii</i> . <i>Microorganisms</i> , 2022, 10, 985.	1.6	5
3297	In Vitro Activity of MRX-8 and Comparators Against Clinical Isolated Gram-Negative Bacilli in China. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	5
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3308	Lipid A Structural Determination from a Single Colony. <i>Analytical Chemistry</i> , 2022, 94, 7460-7465.	3.2	9
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3315	Microbial community and antimicrobial resistance in fecal samples from wild and domestic ruminants in Maiella National Park, Italy. <i>One Health</i> , 2022, 15, 100403.	1.5	5
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3318	A bottom-up view of antimicrobial resistance transmission in developing countries. <i>Nature Microbiology</i> , 2022, 7, 757-765.	5.9	83
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3330	Determination of polypeptide antibiotics in animal tissues using liquid chromatography tandem mass spectrometry based on in-line molecularly imprinted solid-phase extraction. <i>Journal of Chromatography A</i> , 2022, 1673, 463192.	1.8	8
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3336	Prevalence and antimicrobial susceptibility profiles of ESBL-producing <i>Klebsiella pneumoniae</i> from broiler chicken farms in Shandong Province, China. <i>Poultry Science</i> , 2022, 101, 102002.	1.5	9
3337	Carriage of Plasmid-Mediated Colistin Resistance-1-Positive <i>Escherichia coli</i> in Humans, Animals, and Environment on Farms in Vietnam. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 107, 65-71.	0.6	6
3338	Association Between Types of Carbapenemase and Clinical Outcomes of Infection Due to Carbapenem Resistance Enterobacterales. <i>Infection and Drug Resistance</i> , 0, Volume 15, 3025-3037.	1.1	3
3339	Evolution of β -lactams, fluoroquinolones and colistin resistance and genetic profiles in <i>Salmonella</i> isolates from pork in northern Italy. <i>Italian Journal of Food Safety</i> , 2022, 11, .	0.5	0
3340	A Qualitative Study on the Design and Implementation of the National Action Plan on Antimicrobial Resistance in the Philippines. <i>Antibiotics</i> , 2022, 11, 820.	1.5	12
3341	<i>Escherichia coli</i> (<i>E. coli</i>) Resistance against Last Resort Antibiotics and Novel Approaches to Combat Antibiotic Resistance. , 0, , .		0
3342	Isolation, Molecular Characterization, and Antimicrobial Resistance of Selected Culturable Bacteria From Crayfish (<i>Procambarus clarkii</i>). <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
3343	Evolutionary action of mutations reveals antimicrobial resistance genes in <i>Escherichia coli</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	11
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3345	Genomics and pathotypes of the many faces of <i>Escherichia coli</i> . <i>FEMS Microbiology Reviews</i> , 2022, 46, .	3.9	36
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3347	Transmissibility and Persistence of the Plasmid-Borne Mobile Colistin Resistance Gene, <i>mcr-1</i> , Harbored in Poultry-Associated <i>E. coli</i> . <i>Antibiotics</i> , 2022, 11, 774.	1.5	4
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3351	Targeting the Holy Triangle of Quorum Sensing, Biofilm Formation, and Antibiotic Resistance in Pathogenic Bacteria. <i>Microorganisms</i> , 2022, 10, 1239.	1.6	49
3352	Phenotypic and Genotypic Screening of Colistin Resistance Associated with Emerging Pathogenic <i>Escherichia coli</i> Isolated from Poultry. <i>Veterinary Sciences</i> , 2022, 9, 282.	0.6	4
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