Antibiotic resistance in the environment: a link to the c

Current Opinion in Microbiology
13, 589-594
DOI: 10.1016/j.mib.2010.08.005

Citation Report

#	Article	IF	Citations
1	Resident Microbiota of the Gypsy Moth Midgut Harbors Antibiotic Resistance Determinants. DNA and Cell Biology, 2009, 28, 109-117.	0.9	79
2	A Brief History of the Antibiotic Era: Lessons Learned and Challenges for the Future. Frontiers in Microbiology, 2010, 1, 134.	1.5	980
3	Methicillin-susceptible Staphylococcus aureus ST398-t571 harbouring the macrolide-lincosamide-streptogramin B resistance gene erm(T) in Belgian hospitals. Journal of Antimicrobial Chemotherapy, 2011, 66, 2455-2459.	1.3	62
4	Antibiotic adjuvants: multicomponent anti-infective strategies. Expert Reviews in Molecular Medicine, 2011, 13, e5.	1.6	195
5	Antibiotic Resistance in Waste Water and Surface Water and Human Health Implications. Handbook of Environmental Chemistry, 2011, , 173-212.	0.2	7
6	Antibiotic Resistance Gene Abundances Associated with Waste Discharges to the Almendares River near Havana, Cuba. Environmental Science & Technology, 2011, 45, 418-424.	4.6	264
7	An ecological perspective on U.S. industrial poultry production: the role of anthropogenic ecosystems on the emergence of drug-resistant bacteria from agricultural environments. Current Opinion in Microbiology, 2011, 14, 244-250.	2.3	41
8	Metagenomic exploration of antibiotic resistance in soil. Current Opinion in Microbiology, 2011, 14, 229-235.	2.3	86
9	Induction of a secretable beta-lactamase requires a long lag time in Xanthomonas campestris pv. campestris str. 17. Research in Microbiology, 2011, 162, 999-1005.	1.0	6
10	Aquatic systems: maintaining, mixing and mobilising antimicrobial resistance?. Trends in Ecology and Evolution, 2011, 26, 278-284.	4.2	272
11	Functional Metagenomics Reveals Previously Unrecognized Diversity of Antibiotic Resistance Genes in Gulls. Frontiers in Microbiology, 2011, 2, 238.	1.5	46
12	Antibiotic Resistance Genes in the Bacteriophage DNA Fraction of Environmental Samples. PLoS ONE, 2011, 6, e17549.	1.1	275
15	Molecular genetic and culture diagnosis of Mycoplasma in fish family Thymallidae. Doklady Biological Sciences, 2011, 440, 287-289.	0.2	4
16	Molecular mechanisms of antibiotic resistance. Chemical Communications, 2011, 47, 4055.	2.2	302
17	An ecological perspective of microbial secondary metabolism. Current Opinion in Biotechnology, 2011, 22, 552-558.	3.3	160
18	An unexpected similarity between antibiotic-resistant NDM-1 and beta-lactamase II from Erythrobacter litoralis. Protein and Cell, 2011, 2, 250-258.	4.8	34
19	Lateral Transfer of Genes and Gene Fragments in Staphylococcus Extends beyond Mobile Elements. Journal of Bacteriology, 2011, 193, 3964-3977.	1.0	38
20	Antibiotic Resistance: A Global, Interdisciplinary Concern. American Biology Teacher, 2011, 73, 314-321.	0.1	5

#	Article	IF	Citations
21	Selective Pressure of Antibiotic Pollution on Bacteria of Importance to Public Health. Environmental Health Perspectives, 2012, 120, 1100-1106.	2.8	249
22	Emergence and dissemination of antibiotic resistance: A global problem. Indian Journal of Medical Microbiology, 2012, 30, 384-390.	0.3	49
23	Decreased aztreonam susceptibility amongPseudomonas aeruginosaisolates from hospital effluent treatment system and clinical samples. International Journal of Environmental Health Research, 2012, 22, 560-570.	1.3	15
24	Enzymatic resistance to the lipopeptide surfactin as identified through imaging mass spectrometry of bacterial competition. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13082-13087.	3.3	92
25	The Biosocial Event: Responding to Innovation in the Life Sciences. Sociology, 2012, 46, 426-441.	1.7	10
26	Origin and Evolution of Antibiotic Resistance: The Common Mechanisms of Emergence and Spread in Water Bodies. Frontiers in Microbiology, 2012, 3, 18.	1.5	306
27	How to assemble a beneficial microbiome in three easy steps. Ecology Letters, 2012, 15, 1300-1307.	3.0	132
28	Selection of resistance at lethal and non-lethal antibiotic concentrations. Current Opinion in Microbiology, 2012, 15, 555-560.	2.3	141
29	Antimony resistance and environment: Elusive links to explore during Leishmania life cycle. International Journal for Parasitology: Drugs and Drug Resistance, 2012, 2, 200-203.	1.4	19
30	Antibiotics produced by Streptomyces. Brazilian Journal of Infectious Diseases, 2012, 16, 466-471.	0.3	501
31	Resistance to Broad-Spectrum Antibiotics in Aquatic Systems: Anthropogenic Activities Modulate the Dissemination of bla _{CTX-M} -Like Genes. Applied and Environmental Microbiology, 2012, 78, 4134-4140.	1.4	148
32	Bottled mineral water as a potential source of antibiotic resistant bacteria. Water Research, 2012, 46, 3612-3622.	5.3	76
33	Insights into antibiotic resistance through metagenomic approaches. Future Microbiology, 2012, 7, 73-89.	1.0	251
34	Evolution of antibiotic resistance at non-lethal drug concentrations. Drug Resistance Updates, 2012, 15, 162-172.	6.5	262
35	What counters antibiotic resistance in nature?. Nature Chemical Biology, 2012, 8, 2-5.	3.9	60
36	Fosmid cloning, nucleotide sequence, and characterization of a beta-lactamase gene from subsurface isolates. Journal of Microbiology, 2012, 50, 680-683.	1.3	0
37	Influence of Soil Use on Prevalence of Tetracycline, Streptomycin, and Erythromycin Resistance and Associated Resistance Genes. Antimicrobial Agents and Chemotherapy, 2012, 56, 1434-1443.	1.4	124
38	Antimicrobial Residues and Antimicrobial-Resistant Bacteria: Impact on the Microbial Environment and Risk to Human Healthâ€"A Review. Human and Ecological Risk Assessment (HERA), 2012, 18, 767-809.	1.7	67

#	Article	IF	Citations
39	Integron Involvement in Environmental Spread of Antibiotic Resistance. Frontiers in Microbiology, 2012, 3, 119.	1.5	301
40	Accumulation of Pharmaceuticals, Enterococcus, and Resistance Genes in Soils Irrigated with Wastewater for Zero to 100 Years in Central Mexico. PLoS ONE, 2012, 7, e45397.	1.1	108
41	Pollution Impacts on Bacterioplankton Diversity in a Tropical Urban Coastal Lagoon System. PLoS ONE, 2012, 7, e51175.	1.1	16
42	Antimicrobial Resistance Arising from Food-Animal Productions and Its Mitigation. , 2012, , .		1
43	Antibiotic susceptibility profiles and first report of TEM extended-spectrum Î²-lactamase in Pseudomonas fluorescens from coastal waters of the KaÅ¡tela Bay, Croatia. World Journal of Microbiology and Biotechnology, 2012, 28, 2039-2045.	1.7	11
44	Coastal Seawater Bacteria Harbor a Large Reservoir of Plasmid-Mediated Quinolone Resistance Determinants in Jiaozhou Bay, China. Microbial Ecology, 2012, 64, 187-199.	1.4	38
45	Streptomycesas symbionts: an emerging and widespread theme?. FEMS Microbiology Reviews, 2012, 36, 862-876.	3.9	365
46	Antibiotic resistant bacteria/genes dissemination in lacustrine sediments highly increased following cultural eutrophication of Lake Geneva (Switzerland). Chemosphere, 2012, 86, 468-476.	4.2	77
47	Prevalence, quantification and antimicrobial resistance of Campylobacter spp. on chicken neck-skins at points of slaughter in 5 major cities located on 4 continents. International Journal of Food Microbiology, 2012, 157, 102-107.	2.1	57
48	Modulation of antibiotic resistance in bacterial pathogens by oleanolic acid and ursolic acid. Phytomedicine, 2012, 19, 515-519.	2.3	84
50	The Scourge of Antibiotic Resistance: The Important Role of the Environment. Clinical Infectious Diseases, 2013, 57, 704-710.	2.9	487
52	Seven Ways to Preserve the Miracle of Antibiotics. Clinical Infectious Diseases, 2013, 56, 1445-1450.	2.9	335
53	Can Probiotics Improve the Environmental Microbiome and Resistome of Commercial Poultry Production?. International Journal of Environmental Research and Public Health, 2013, 10, 4534-4559.	1.2	44
54	Antibiotic resistance among heterotrophic bacteria in Lagos Lagoon, Nigeria. African Journal of Aquatic Science, 2013, 38, 331-336.	0.5	1
55	A novel approach, based on BLSOMs (Batch Learning Self-Organizing Maps), to the microbiome analysis of ticks. ISME Journal, 2013, 7, 1003-1015.	4.4	132
56	Multidrug-Resistant Bacteria: The Emerging Crisis. , 2013, , 47-88.		0
57	Column and batch tests of sulfonamide leaching from different types of soil. Journal of Hazardous Materials, 2013, 260, 468-474.	6.5	42
58	The TetR Family of Regulators. Microbiology and Molecular Biology Reviews, 2013, 77, 440-475.	2.9	472

#	Article	IF	Citations
59	Pseudomonas putida are environmental reservoirs of antimicrobial resistance to Î²-lactamic antibiotics. World Journal of Microbiology and Biotechnology, 2013, 29, 1317-1325.	1.7	9
60	Enhanced antibiotic multiâ€resistance in nasal and faecal bacteria after agricultural use of streptomycin. Environmental Microbiology, 2013, 15, 297-304.	1.8	18
61	High-Throughput Screening of Small Molecule Ligands Targeted to Live Bacteria Surface. Analytical Chemistry, 2013, 85, 3508-3514.	3.2	10
62	The soil resistome: The anthropogenic, the native, and the unknown. Soil Biology and Biochemistry, 2013, 63, 18-23.	4.2	153
63	Systematic and biotechnological aspects of halophilic and halotolerant actinomycetes. Extremophiles, 2013, 17, 1-13.	0.9	94
64	Molecular diversity of class 2 integrons in antibiotic-resistant gram-negative bacteria found in wastewater environments in China. Ecotoxicology, 2013, 22, 402-414.	1.1	23
65	Antimicrobial use in aquaculture reâ€examined: its relevance to antimicrobial resistance and to animal and human health. Environmental Microbiology, 2013, 15, 1917-1942.	1.8	607
66	Characterization of tetracycline-resistant bacteria in an urbanizing subtropical watershed. Journal of Applied Microbiology, 2013, 115, 774-785.	1.4	23
67	The effect of hospital effluent on antimicrobial resistant E. coli within a municipal wastewater system. Environmental Sciences: Processes and Impacts, 2013, 15, 617.	1.7	26
68	Transfer of Multidrug-Resistant Bacteria Between Intermingled Ecological Niches: The Interface Between Humans, Animals and the Environment. International Journal of Environmental Research and Public Health, 2013, 10, 278-294.	1.2	232
69	Antibiotics as selectors and accelerators of diversity in the mechanisms of resistance: from the resistome to genetic plasticity in the Î²-lactamases world. Frontiers in Microbiology, 2013, 4, 9.	1.5	54
70	Characterization of integrons and their cassettes in Escherichia coli and Salmonella isolates from poultry in Korea. Poultry Science, 2013, 92, 3036-3043.	1.5	45
71	Antimicrobial susceptibility pattern of aerobic microbial isolates in a clinical laboratory in Karachi - Pakistan. Pakistan Journal of Medical Sciences, 2013, 29, 851-5.	0.3	11
72	Genetically Diverse Clostridium difficile Strains Harboring Abundant Prophages in an Estuarine Environment. Applied and Environmental Microbiology, 2013, 79, 6236-6243.	1.4	42
73	Potential Changes in Disease Patterns and Pharmaceutical Use in Response to Climate Change. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2013, 16, 285-320.	2.9	53
74	Management Options for Reducing the Release of Antibiotics and Antibiotic Resistance Genes to the Environment. Environmental Health Perspectives, 2013, 121, 878-885.	2.8	657
75	Strategies and molecular tools to fight antimicrobial resistance: resistome, transcriptome, and antimicrobial peptides. Frontiers in Microbiology, 2013, 4, 412.	1.5	51
76	Impact of Manure Fertilization on the Abundance of Antibiotic-Resistant Bacteria and Frequency of Detection of Antibiotic Resistance Genes in Soil and on Vegetables at Harvest. Applied and Environmental Microbiology, 2013, 79, 5701-5709.	1.4	371

#	Article	IF	Citations
77	Identification of novel antimicrobial resistance genes from microbiota on retail spinach. BMC Microbiology, 2013, 13, 272.	1.3	22
78	The Zoonotic Potential of Daptomycin Nonâ€susceptible Enterococci. Zoonoses and Public Health, 2015, 62, 1-6.	0.9	2
79	The antibiotic resistance â€œmobilomeâ€: searching for the link between environment and clinic. Frontiers in Microbiology, 2013, 4, 138.	1.5	221
80	Novel resistance functions uncovered using functional metagenomic investigations of resistance reservoirs. Frontiers in Microbiology, 2013, 4, 145.	1.5	79
81	Accelerated Biodegradation of Veterinary Antibiotics in Agricultural Soil following Long-Term Exposure, and Isolation of a Sulfamethazine-degrading Microbacterium sp.. Journal of Environmental Quality, 2013, 42, 173-178.	1.0	126
82	Broad-host-range IncP-1 plasmids and their resistance potential. Frontiers in Microbiology, 2013, 4, 44.	1.5	127
83	Infection control in the post-antibiotic era. Healthcare Infection, 2013, 18, 51-60.	0.6	16
84	A New Class of Gold Nanoantibiotics- Direct Coating of Ampicillin on Gold Nanoparticles. Pharmaceutical Nanotechnology, 2013, 1, 126-135.	0.6	11
85	Emerging Infectious Diseases, Antimicrobial Resistance and Millennium Development Goals: Resolving the Challenges through One Health. Central Asian Journal of Global Health, 2013, 2, 76.	0.6	17
86	Discovery of antimicrobial activities of a marine diatom Thalassiosira rotula. African Journal of Microbiology Research, 2013, 7, 5687-5696.	0.4	13
87	Could Public Restrooms Be an Environment for Bacterial Resistomes?. PLoS ONE, 2013, 8, e54223.	1.1	46
88	The multifaceted roles of antibiotics and antibiotic resistance in nature. Frontiers in Microbiology, 2013, 4, 47.	1.5	419
89	Modulation of Bacterial Multidrug Resistance Efflux Pumps of the Major Facilitator Superfamily. International Journal of Bacteriology, 2013, 2013, 1-15.	1.0	120
90	Antibiotic Resistance in Aquatic Environments of Rio de Janeiro, Brazil. , 2013, , .		2
91	Type I restriction enzymes and their relatives. Nucleic Acids Research, 2014, 42, 20-44.	6.5	217
92	Environmental fate of tetracycline resistance genes originating from swine feedlots in river water. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 624-631.	0.7	33
93	Protective potential ofTamarindus indicaagainst gentamicin-induced nephrotoxicity. Pharmaceutical Biology, 2014, 52, 428-434.	1.3	7
94	Metagenomic Frameworks for Monitoring Antibiotic Resistance in Aquatic Environments. Environmental Health Perspectives, 2014, 122, 222-228.	2.8	89

#	Article	IF	Citations
95	Bacteriophages as Vehicles for Antibiotic Resistance Genes in the Environment. PLoS Pathogens, 2014, 10, e1004219.	2.1	172
96	Natural microbial communities supporting the transfer of the IncP-1ÃŽÂ² plasmid pB10 exhibit a higher initial content of plasmids from the same incompatibility group. Frontiers in Microbiology, 2014, 5, 637.	1.5	23
97	Identification and ÃŸ-lactam resistance in aquatic isolates of Enterobacter cloacae and their status in microbiota of Domica Cave in Slovak Karst (Slovakia). International Journal of Speleology, 2014, 43, 69-77.	0.4	9
98	High Rates of Antimicrobial Drug Resistance Gene Acquisition after International Travel, the Netherlands. Emerging Infectious Diseases, 2014, 20, 649-657.	2.0	112
99	Forces shaping the antibiotic resistome. BioEssays, 2014, 36, 1179-1184.	1.2	56
100	Dissemination of Antibiotic Resistance Genes in Representative Broiler Feedlots Environments: Identification of Indicator ARGs and Correlations with Environmental Variables. Environmental Science & Technology, 2014, 48, 13120-13129.	4.6	219
101	Spread of Antibiotic Resistance in the Environment: Impact on Human Health. , 2014, , 125-162.		3
102	Does a drop in the bucket make a splash? Assessing the impact of antibiotic use on plants. Current Opinion in Microbiology, 2014, 19, 76-82.	2.3	41
103	Insights into novel antimicrobial compounds and antibiotic resistance genes from soil metagenomes. Frontiers in Microbiology, 2014, 5, 489.	1.5	30
104	Biosensors, Antibiotics and Food. Advances in Biochemical Engineering/Biotechnology, 2014, 145, 153-185.	0.6	10
105	A novel role for antibiotic resistance plasmids in facilitating <scp>S</scp>almonella adaptation to nonâ€host environments. Environmental Microbiology, 2014, 16, 950-962.	1.8	26
106	Publisher's Note. BioSystems, 2014, 120, 21-30.	0.9	8
107	Bacterial phylogeny structures soil resistomes across habitats. Nature, 2014, 509, 612-616.	13.7	973
108	Patterns and persistence of antibiotic resistance in faecal indicator bacteria from freshwater recreational beaches. Journal of Applied Microbiology, 2014, 117, 273-285.	1.4	32
109	Antibiotic Resistance is Widespread in Urban Aquatic Environments of Rio de Janeiro, Brazil. Microbial Ecology, 2014, 68, 441-452.	1.4	33
110	Non-toxic plant metabolites regulateStaphylococcusviability and biofilm formation: a natural therapeutic strategy useful in the treatment and prevention of skin infections. Biofouling, 2014, 30, 1175-1182.	0.8	53
111	Antimicrobial Activity of Solithromycin against Clinical Isolates of Legionella pneumophila Serogroup 1. Antimicrobial Agents and Chemotherapy, 2014, 58, 909-915.	1.4	32
112	Impacts of antibiotic use in agriculture: what are the benefits and risks?. Current Opinion in Microbiology, 2014, 19, 37-44.	2.3	174

#	Article	IF	Citations
113	Expansion of the aminoglycoside-resistance 16S rRNA (m1A1408) methyltransferase family: Expression and functional characterization of four hypothetical enzymes of diverse bacterial origin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1648-1655.	1.1	14
114	Evolutionary constraints or opportunities?. BioSystems, 2014, 123, 9-18.	0.9	30
115	New silver(I) pyridinecarboxylate complexes: synthesis, characterization, and antimicrobial therapeutic potential. Journal of Coordination Chemistry, 2014, 67, 1002-1021.	0.8	16
116	Applying evolutionary biology to address global challenges. Science, 2014, 346, 1245993.	6.0	228
117	Wastewater Irrigation Increases the Abundance of Potentially Harmful Gammaproteobacteria in Soils in Mezquital Valley, Mexico. Applied and Environmental Microbiology, 2014, 80, 5282-5291.	1.4	80
118	Non-fermentative gram-negative bacteria in hospital tap water and water used for haemodialysis and bronchoscope flushing: Prevalence and distribution of antibiotic resistant strains. Science of the Total Environment, 2014, 499, 47-54.	3.9	45
120	High dissemination of extended-spectrum Î²-lactamase-producing Enterobacteriaceae inÂeffluents from wastewater treatment plants. Water Research, 2014, 56, 37-47.	5.3	57
122	Potential impact of antimicrobial resistance in wildlife, environment and human health. Frontiers in Microbiology, 2014, 5, 23.	1.5	161
123	The Antimicrobial Resistance Crisis: Causes, Consequences, and Management. Frontiers in Public Health, 2014, 2, 145.	1.3	600
124	An overview of antimicrobial resistance and its public health significance. Brazilian Journal of Microbiology, 2014, 45, 1-6.	0.8	41
125	Environmental dissemination of antibiotic resistance genes and correlation to anthropogenic contamination with antibiotics. Infection Ecology and Epidemiology, 2015, 5, 28564.	0.5	192
126	Antibiotics: Initial Concepts and Considerations. , 0, , 4-15.		0
127	Antibiotic Resistance: Modification or Destruction of the Antibiotic. , 0, , 198-218.		0
128	Antibiotic Resistance via Membrane Efflux Pumps. , 0, , 220-229.		0
129	Resistance via Target Modification. , 0, , 230-251.		0
130	Tuberculosis: A Formidable Challenge for Antibiotic Therapy. , 0, , 252-271.		0
131	Antibiotic Biosynthesis: Principles. , 2015, , 276-287.		0
132	Biosynthesis of Peptide Antibiotics. , 2015, , 288-318.		0

#	Article	IF	Citations
133	Biosynthesis of Polyketide Antibiotics. , 0, , 320-342.		0
134	Biosynthesis of Oligosaccharide, Isoprenoid, and C-P Antibiotic Classes. , 0, , 344-362.		0
135	Underexploited Pathways and Targets for Antibiotics. , 0, , 366-397.		0
136	Prospects for New Molecules and New Targets. , 0, , 398-419.		0
137	Major Classes of Antibiotics and Their Modes of Action. , 0, , 16-32.		0
138	Assembly of the Peptidoglycan Layer of Bacterial Cell Walls. , 2015, , 36-67.		1
139	Antibiotics That Block Peptidoglycan Assembly and Integrity. , 0, , 68-100.		0
140	Antibiotics That Disrupt Membrane Integrity. , 2015, , 102-113.		0
141	Antibiotics That Block Protein Synthesis. , 2015, , 114-146.		0
142	Antibiotics That Target DNA and RNA Information Transfer. , 0, , 148-162.		0
143	Antibiotics That Block Biosynthesis of the DNA Building Block Deoxythymidylate. , 0, , 164-176.		0
144	Bacterial Antibiotic Resistance: Overview. , 0, , 180-196.		0
145	Screening Foodstuffs for Class 1 Integrons and Gene Cassettes. Journal of Visualized Experiments, 2015, , e52889.	0.2	8
146	Modeling heterogeneous bacterial populations exposed to antibiotics: The logisticâ€dynamics case. AICHE Journal, 2015, 61, 2385-2393.	1.8	6
147	Constitutive presence of antibiotic resistance genes within the bacterial community of a large subalpine lake. Molecular Ecology, 2015, 24, 3888-3900.	2.0	108
148	High-throughput functional screening reveals low frequency of antibiotic resistance genes in DNA recovered from the Upper Mississippi River. Journal of Water and Health, 2015, 13, 693-703.	1.1	20
150	Wide Spread Prevalence of β-Lactam Resistance among Bacterial Species Obtained from Non-Clinical Samples. International Journal of Applied Sciences and Biotechnology, 2015, 3, 248-255.	0.4	1
151	How to Answer the Question â€" Are Drugs Real Threats to Biological Systems or Overrated Innocuous Chemicals?. , 0, , .		1

#	Article	IF	Citations
152	Applying the emergency risk management process to tackle the crisis of antibiotic resistance. Frontiers in Microbiology, 2015, 6, 927.	1.5	13
153	Human microbiomes and their roles in dysbiosis, common diseases, and novel therapeutic approaches. Frontiers in Microbiology, 2015, 6, 1050.	1.5	258
154	Opportunistic Pathogens and Elements of the Resistome that Are Common in Bottled Mineral Water Support the Need for Continuous Surveillance. PLoS ONE, 2015, 10, e0121284.	1.1	6
155	Multidrug-Resistant and Extended Spectrum Beta-Lactamase-Producing Escherichia coli in Dutch Surface Water and Wastewater. PLoS ONE, 2015, 10, e0127752.	1.1	117
157	Prevalence of antibiotic resistance genes of wastewater and surface water in livestock farms of Jiangsu Province, China. Environmental Science and Pollution Research, 2015, 22, 13950-13959.	2.7	68
158	Improving predictions of the risk of resistance development against new and old antibiotics. Clinical Microbiology and Infection, 2015, 21, 894-898.	2.8	38
159	Antibacterial, antioxidant, antifungal and anti-inflammatory activities of crude extract from Nitraria schoberi fruits. 3 Biotech, 2015, 5, 677-684.	1.1	40
160	Antibiotics, Antibiotic Resistance Genes, and Bacterial Community Composition in Fresh Water Aquaculture Environment in China. Microbial Ecology, 2015, 70, 425-432.	1.4	322
161	Effects of 100 years wastewater irrigation on resistance genes, class 1 integrons and IncP-1 plasmids in Mexican soil. Frontiers in Microbiology, 2015, 6, 163.	1.5	43
162	Ionic Sal-SG Schiff bases as new synergetic chemotherapeutic candidates: synthesis, metalation with Pd(<scp>ii</scp>) and in vitro pharmacological evaluation. RSC Advances, 2015, 5, 68260-68269.	1.7	29
163	Diversity of tetracycline-resistant bacteria and resistance gene tet(M) in fecal microbial community of AdÃ©lie penguin in Antarctica. Polar Biology, 2015, 38, 1775-1781.	0.5	19
164	Transplastomic plants for innovations in agriculture. A review. Agronomy for Sustainable Development, 2015, 35, 1391-1430.	2.2	27
165	Responses of plasmid-mediated quinolone resistance genes and bacterial taxa to (fluoro)quinolones-containing manure in arable soil. Chemosphere, 2015, 119, 473-478.	4.2	33
166	The livestock reservoir for antimicrobial resistance: a personal view on changing patterns of risks, effects of interventions and the way forward. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140085.	1.8	205
167	Antibiotic Discovery: Combatting Bacterial Resistance in Cells and in Biofilm Communities. Molecules, 2015, 20, 5286-5298.	1.7	276
168	Semi-synthesis of new antimicrobial esters from the natural oleanolic and maslinic acids. Food Chemistry, 2015, 183, 8-17.	4.2	42
169	Structural and Functional Plasticity of Antibiotic Resistance Nucleotidylyltransferases Revealed by Molecular Characterization of Lincosamide Nucleotidylyltransferases Lnu(A) and Lnu(D). Journal of Molecular Biology, 2015, 427, 2229-2243.	2.0	7
170	Tackling antibiotic resistance: the environmental framework. Nature Reviews Microbiology, 2015, 13, 310-317.	13.6	1,612

#	Article	IF	Citations
171	Dissemination of the multidrug-resistant extended-spectrum Î²-lactamase-producing Escherichia coli O25b-ST131 clone and the role of house crow (Corvus splendens) foraging on hospital waste in Bangladesh. Clinical Microbiology and Infection, 2015, 21, 1000.e1-1000.e4.	2.8	25
172	Antimicrobial resistance in faecal samples from buffalo, wildebeest and zebra grazing together with and without cattle in Tanzania. Journal of Applied Microbiology, 2015, 118, 966-975.	1.4	36
173	Limited dissemination of the wastewater treatment plant core resistome. Nature Communications, 2015, 6, 8452.	5.8	173
174	Isolation and characterization of antibiotic-resistant bacteria from pharmaceutical industrial wastewaters. Microbial Pathogenesis, 2015, 89, 54-61.	1.3	38
175	Effect of temperature on removal of antibiotic resistance genes by anaerobic digestion of activated sludge revealed by metagenomic approach. Applied Microbiology and Biotechnology, 2015, 99, 7771-7779.	1.7	201
176	A Plausible Worst-Case Scenario of Increasing Multidrug Resistance as a Tool for Assessing Societal Risks and Capabilities in Sweden. Health Security, 2015, 13, 174-183.	0.9	1
177	Urban wastewater effluent increases antibiotic resistance gene concentrations in a receiving northern European river. Environmental Toxicology and Chemistry, 2015, 34, 192-196.	2.2	115
178	Oral Gram-negative anaerobic bacilli as a reservoir of Î²-lactam resistance genes facilitating infections with multiresistant bacteria. International Journal of Antimicrobial Agents, 2015, 45, 99-105.	1.1	31
179	Prevalence and diversity of extended-spectrum-Î²-lactamase-producing Enterobacteriaceae from marine beach waters. Marine Pollution Bulletin, 2015, 90, 60-67.	2.3	60
180	Inhibition studies of quinazoline-sulfonamide derivatives against the Î³-CA (PgiCA) from the pathogenic bacterium,Porphyromonas gingivalis. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 592-596.	2.5	45
181	Improved annotation of antibiotic resistance determinants reveals microbial resistomes cluster by ecology. ISME Journal, 2015, 9, 207-216.	4.4	540
182	The importance of a sterile rhizosphere when phenotyping for root exudation. Plant and Soil, 2015, 387, 131-142.	1.8	43
183	Comparative Microbicidal Efficacy of Fractionated Extracts from In Vitro and In Vivo Raised Cells of Tinosporacordifolia Against MDR Pathogens. Brazilian Archives of Biology and Technology, 2016, 59, .	0.5	1
184	Assessment of Selected Antibiotic Resistances in Ungrazed Native Nebraska Prairie Soils. Journal of Environmental Quality, 2016, 45, 454-462.	1.0	50
185	Comparison of the prevalence of antibiotic-resistant Escherichia coli isolates from commercial-layer and free-range chickens in Arusha district, Tanzania. African Journal of Microbiology Research, 2016, 10, 1422-1429.	0.4	14
186	Race Against Antimicrobial Resistance Requires Coordinated Action â€“ An Overview. Frontiers in Microbiology, 2015, 6, 1536.	1.5	22
187	Dissemination of Antimicrobial Resistance in Microbial Ecosystems through Horizontal Gene Transfer. Frontiers in Microbiology, 2016, 7, 173.	1.5	1,018
188	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. Molecules, 2016, 21, 877.	1.7	172

#	Article	IF	Citations
189	The Composition and Spatial Patterns of Bacterial Virulence Factors and Antibiotic Resistance Genes in 19 Wastewater Treatment Plants. PLoS ONE, 2016, 11, e0167422.	1.1	15
191	Antibiotic Resistance in Animal and Environmental Samples Associated with Small-Scale Poultry Farming in Northwestern Ecuador. MSphere, 2016, 1, .	1.3	57
192	Appearance of Î²-lactam Resistance Genes in Agricultural Soils and Clinical Isolates over the 20th Century. Scientific Reports, 2016, 6, 21550.	1.6	119
193	Carbapenem-Resistant Klebsiella pneumoniae Infection in Three New York City Hospitals Trended Downwards From 2006 to 2014. Open Forum Infectious Diseases, 2016, 3, ofw222.	0.4	23
194	Induction of a stable sigma factor SigR by translation-inhibiting antibiotics confers resistance to antibiotics. Scientific Reports, 2016, 6, 28628.	1.6	20
195	Antibiotic Resistance Genes in Freshwater Biofilms May Reflect Influences from High-Intensity Agriculture. Microbial Ecology, 2016, 72, 763-772.	1.4	23
196	Exploring the potential reservoirs of non specific TEM beta lactamase (bla TEM) gene in the Indo-Gangetic region: A risk assessment approach to predict health hazards. Journal of Hazardous Materials, 2016, 314, 121-128.	6.5	25
197	The resistance and transmission mechanism ofAcinetobacter baumanniiisolates in a tertiary care hospital, China. Journal of Chemotherapy, 2016, 28, 476-481.	0.7	3
198	Reduced persistence of the macrolide antibiotics erythromycin, clarithromycin and azithromycin in agricultural soil following several years of exposure in the field. Science of the Total Environment, 2016, 562, 136-144.	3.9	71
199	Discharge of swine wastes risks water quality and food safety: Antibiotics and antibiotic resistance genes from swine sources to the receiving environments. Environment International, 2016, 92-93, 210-219.	4.8	267
200	Prevalence of Antibiotic-Resistant Fecal Escherichia coli Isolates from Penned Broiler and Scavenging Local Chickens in Arusha, Tanzania. Journal of Food Protection, 2016, 79, 1424-1429.	0.8	20
201	Potential transfer of extended spectrum Î²-lactamase encoding gene, blashv18 gene, between Klebsiella pneumoniae in raw foods. Food Microbiology, 2016, 60, 39-48.	2.1	9
202	Predation and selection for antibiotic resistance in natural environments. Evolutionary Applications, 2016, 9, 427-434.	1.5	23
204	Combinatorial approaches with selected phytochemicals to increase antibiotic efficacy against Staphylococcus aureus biofilms. Biofouling, 2016, 32, 1103-1114.	0.8	32
205	Comparison of antimicrobial resistant genes in chicken gut microbiome grown on organic and conventional diet. Veterinary and Animal Science, 2016, 1-2, 9-14.	0.6	21
206	Novel perspectives on the role of the human microbiota in regenerative medicine and surgery. Biomedical Reports, 2016, 5, 519-524.	0.9	10
207	Abundance of antibiotic resistance genes in five municipal wastewater treatment plants in the Monastir Governorate, Tunisia. Environmental Pollution, 2016, 219, 353-358.	3.7	107
208	How Should We Be Determining Background and Baseline Antibiotic Resistance Levels in Agroecosystem Research?. Journal of Environmental Quality, 2016, 45, 420-431.	1.0	42

#	Article	IF	Citations
209	The Prehistory of Antibiotic Resistance. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025197.	2.9	141
210	Combating Antimicrobial Resistance in Foodborne Microorganisms. Journal of Food Protection, 2016, 79, 321-336.	0.8	16
211	An update on polysaccharide-based nanomaterials for antimicrobial applications. Applied Microbiology and Biotechnology, 2016, 100, 2603-2615.	1.7	47
212	Water Disinfection Byproducts Induce Antibiotic Resistance-Role of Environmental Pollutants in Resistance Phenomena. Environmental Science & Technology, 2016, 50, 3193-3201.	4.6	136
213	Antibiotic resistance genes as an emerging environmental contaminant. Environmental Reviews, 2016, 24, 205-218.	2.1	138
214	Characterization of VCC-1, a Novel Ambler Class A Carbapenemase from Vibrio cholerae Isolated from Imported Retail Shrimp Sold in Canada. Antimicrobial Agents and Chemotherapy, 2016, 60, 1819-1825.	1.4	45
215	Impacts of reclaimed water irrigation on soil antibiotic resistome in urban parks of Victoria, Australia. Environmental Pollution, 2016, 211, 48-57.	3.7	78
216	Temporal changes of antibiotic-resistance genes and bacterial communities in two contrasting soils treated with cattle manure. FEMS Microbiology Ecology, 2016, 92, fiv169.	1.3	108
217	Concentrations of antibiotics predicted to select for resistant bacteria: Proposed limits for environmental regulation. Environment International, 2016, 86, 140-149.	4.8	612
218	Indirect resistance to several classes of antibiotics in cocultures with resistant bacteria expressing antibiotic-modifying or -degrading enzymes. Journal of Antimicrobial Chemotherapy, 2016, 71, 100-110.	1.3	64
219	Synthesis, characterisation and antimicrobial activity of manganese- and iron-doped zinc oxide nanoparticles. Journal of Experimental Nanoscience, 2016, 11, 54-71.	1.3	97
220	Microbial metagenomics in aquaculture: a potential tool for a deeper insight into the activity. Reviews in Aquaculture, 2017, 9, 42-56.	4.6	100
221	Identification ofOdontella auritaby rbcL gene sequence â€“ a high antibacterial potential centric marine diatom. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2017, 28, 655-661.	0.7	3
222	Effects of bamboo charcoal on antibiotic resistance genes during chicken manure composting. Ecotoxicology and Environmental Safety, 2017, 140, 1-6.	2.9	108
224	Electron beam treatment for tackling the escalating problems of antibiotic resistance: Eliminating the antimicrobial activity of wastewater matrices originating from erythromycin. Chemical Engineering Journal, 2017, 321, 314-324.	6.6	24
225	An eco-friendly in situ activatable antibiotic via cucurbit[8]uril-mediated supramolecular crosslinking of branched polyethylenimine. Chemical Communications, 2017, 53, 5870-5873.	2.2	58
226	Influence of Manure Application on the Environmental Resistome under Finnish Agricultural Practice with Restricted Antibiotic Use. Environmental Science & Technology, 2017, 51, 5989-5999.	4.6	142
227	Evidence of antibiotic resistance in Enterobacteriales isolated from green sea turtles, Chelonia mydas on the Great Barrier Reef. Marine Pollution Bulletin, 2017, 120, 18-27.	2.3	41

#	Article	IF	Citations
228	Antibiotic Resistance Genes: An Emerging Environmental Pollutant. Environmental Science and Engineering, 2017, , 183-201.	0.1	21
229	Mechanisms and effects of arsanilic acid on antibiotic resistance genes and microbial communities during pig manure digestion. Bioresource Technology, 2017, 234, 217-223.	4.8	76
230	Z-scheme BiO1-xBr/Bi2O2CO3 photocatalyst with rich oxygen vacancy as electron mediator for highly efficient degradation of antibiotics. Applied Catalysis B: Environmental, 2017, 205, 281-291.	10.8	277
231	Co-occurrence of antibiotic and metal resistance genes revealed in complete genome collection. ISME Journal, 2017, 11, 651-662.	4.4	351
232	Changing antibiotic resistance: sustainability transformation to a pro-microbial planet. Current Opinion in Environmental Sustainability, 2017, 25, 66-76.	3.1	20
233	Occurrence and temporal variation of antibiotic resistance genes (ARGs) in shrimp aquaculture: ARGs dissemination from farming source to reared organisms. Science of the Total Environment, 2017, 607-608, 357-366.	3.9	119
234	Untreated urban waste contaminates Indian river sediments with resistance genes to last resort antibiotics. Water Research, 2017, 124, 388-397.	5.3	151
235	Development of a soft extraction method for sulfamethoxazole and transformation products from agricultural soils: Effects of organic matter co-extraction on the environmental availability assessment. Science of the Total Environment, 2017, 607-608, 1037-1048.	3.9	15
236	FARME DB: a functional antibiotic resistance element database. Database: the Journal of Biological Databases and Curation, 2017, 2017, baw165.	1.4	40
237	Antibiotics resistance phenomenon and virulence ability in bacteria from water environment. Water Science, 2017, 31, 109-121.	0.5	36
238	Antibiotics and Antibiotics Resistance Genes in Soils. Soil Biology, 2017, , .	0.6	8
239	Antibiotics Producing Soil Microorganisms. Soil Biology, 2017, , 1-18.	0.6	20
240	Dissemination Mechanism of Antibiotic Resistance Genes in Environment. Soil Biology, 2017, , 191-205.	0.6	1
241	Soil Antibiotics and Transfer of Antibiotic Resistance Genes Affecting Wildlife. Soil Biology, 2017, , 313-325.	0.6	1
242	Fungal networks serve as novel ecological routes for enrichment and dissemination of antibiotic resistance genes as exhibited by microcosm experiments. Scientific Reports, 2017, 7, 15457.	1.6	20
243	Antibiotics and Antibiotics Resistance Genes Dissemination in Soils. Soil Biology, 2017, , 151-190.	0.6	4
244	Disparate Antibiotic Resistance Gene Quantities Revealed across 4 Major Cities in California: A Survey in Drinking Water, Air, and Soil at 24 Public Parks. ACS Omega, 2017, 2, 2255-2263.	1.6	37
245	Lessons from the Environmental Antibiotic Resistome. Annual Review of Microbiology, 2017, 71, 309-329.	2.9	127

#	Article	IF	Citations
246	Genomics and the evolution of antibiotic resistance. Annals of the New York Academy of Sciences, 2017, 1388, 92-107.	1.8	50
247	Impact of anthropogenic activities on the dissemination of antibiotic resistance across ecological boundaries. Essays in Biochemistry, 2017, 61, 11-21.	2.1	50
248	Ecological and Public Health Implications of the Discharge of Multidrug-Resistant Bacteria and Physicochemical Contaminants from Treated Wastewater Effluents in the Eastern Cape, South Africa. Water (Switzerland), 2017, 9, 562.	1.2	21
249	A Three-Year Follow-Up Study of Antibiotic and Metal Residues, Antibiotic Resistance and Resistance Genes, Focusing on Kshipraâ€"A River Associated with Holy Religious Mass-Bathing in India: Protocol Paper. International Journal of Environmental Research and Public Health, 2017, 14, 574.	1.2	18
250	Infections Caused by Antimicrobial Drug-Resistant Saprophytic Gram-Negative Bacteria in the Environment. Frontiers in Medicine, 2017, 4, 183.	1.2	27
251	Editorial: Antibiotic Resistance in Aquatic Systems. Frontiers in Microbiology, 2017, 8, 14.	1.5	88
252	Marine Bivalve Mollusks As Possible Indicators of Multidrug-Resistant Escherichia coli and Other Species of the Enterobacteriaceae Family. Frontiers in Microbiology, 2017, 8, 24.	1.5	42
253	Characterization of Integrons and Resistance Genes in Salmonella Isolates from Farm Animals in Shandong Province, China. Frontiers in Microbiology, 2017, 8, 1300.	1.5	49
254	High Prevalence of CTX-M-15-Type ESBL-Producing E. coli from Migratory Avian Species in Pakistan. Frontiers in Microbiology, 2017, 8, 2476.	1.5	57
255	Fate of antibiotics during water treatment: impact on antimicrobial resistance in environmental and clinical strains. , 2017, , 391-419.		0
256	Can methicillin-resistant Staphylococcus aureus prevalence from dairy cows in India act as potential risk for community-associated infections?: A review. Veterinary World, 2017, 10, 311-318.	0.7	21
257	Effects of different types of flooring design on the development of antimicrobial resistance in commensal Escherichia coli in fattening turkeys. Veterinary Microbiology, 2018, 217, 18-24.	0.8	10
258	Survival of antibiotic resistant bacteria following artificial solar radiation of secondary wastewater effluent. Science of the Total Environment, 2018, 626, 1005-1011.	3.9	17
259	Diversity of herbaceous plants and bacterial communities regulates soil resistome across forest biomes. Environmental Microbiology, 2018, 20, 3186-3200.	1.8	55
260	Antibiotic resistant bacteria are widespread in songbirds across rural and urban environments. Science of the Total Environment, 2018, 627, 1234-1241.	3.9	30
261	Environmental factors influencing the development and spread of antibiotic resistance. FEMS Microbiology Reviews, 2018, 42, .	3.9	612
262	Review of antibiotic resistance in China and its environment. Environment International, 2018, 110, 160-172.	4.8	1,043
263	Rapid startup of thermophilic anaerobic digester to remove tetracycline and sulfonamides resistance genes from sewage sludge. Science of the Total Environment, 2018, 612, 788-798.	3.9	90

#	Article	IF	Citations
264	The availability, price and affordability of essential antibacterials in Hubei province, China. BMC Health Services Research, 2018, 18, 1013.	0.9	13
265	The wastewater resistome: Lurking antibiotic resistance in the environment. Tribhuvan University Journal of Microbiology, 2018, 4, 79-83.	0.0	2
266	Whole metagenome sequencing of chlorinated drinking water distribution systems. Environmental Science: Water Research and Technology, 2018, 4, 2080-2091.	1.2	44
267	Antibiotic and pesticide susceptibility and the Anthropocene operating space. Nature Sustainability, 2018, 1, 632-641.	11.5	74
268	Development of New Tools to Detect Colistin-Resistance among Enterobacteriaceae Strains. Canadian Journal of Infectious Diseases and Medical Microbiology, 2018, 2018, 1-25.	0.7	29
269	Heavy Metal Pollutome and Microbial Resistome Reciprocal Interaction and Its Impact on Human and Animal Matrices. , 2018, , .		0
270	Modified U-Tube for Ruling out Naked DNA Transfer during Conjugation and Application in Antibiotic Resistance Genes Transfer Research. Water (Switzerland), 2018, 10, 1313.	1.2	0
271	Prevalence, determinants and knowledge of antibacterial self-medication: A cross sectional study in North-eastern Tanzania. PLoS ONE, 2018, 13, e0206623.	1.1	50
272	Antibiotic-Resistant Salmonella in the Food Supply and the Potential Role of Antibiotic Alternatives for Control. Foods, 2018, 7, 167.	1.9	168
273	Pig farm environment as a source of beta-lactamase or AmpC-producing Klebsiella pneumoniae and Escherichia coli. Annals of Microbiology, 2018, 68, 781-791.	1.1	19
274	Distinct transcriptomic response of S. coelicolor to ciprofloxacin in a nutrient-rich environment. Applied Microbiology and Biotechnology, 2018, 102, 10623-10643.	1.7	4
275	Synergistic Activity of Antibiotics and Bioactive Plant Extracts: A Study Against Gram-Positive and Gram-Negative Bacteria. , 0, , .		18
276	Research progress on distribution, migration, transformation of antibiotics and antibiotic resistance genes (ARGs) in aquatic environment. Critical Reviews in Biotechnology, 2018, 38, 1195-1208.	5.1	169
277	Antibiotic Resistance in Plant-Pathogenic Bacteria. Annual Review of Phytopathology, 2018, 56, 161-180.	3.5	211
278	Case study on the soil antibiotic resistome in an urban community garden. International Journal of Antimicrobial Agents, 2018, 52, 241-250.	1.1	14
279	Antibiotic resistant bacteria and resistance genes in the bottom sediment of a small stream and the potential impact of remobilization. FEMS Microbiology Ecology, 2018, 94, .	1.3	46
280	Antimicrobial Resistance. Medical Clinics of North America, 2018, 102, 819-829.	1.1	82
281	Molecular Characterization of Antimicrobial Resistance in Escherichia coli from Rabbit Farms in Taiâ€™an, China. BioMed Research International, 2018, 2018, 1-7.	0.9	26

#	Article	IF	Citations
282	Exposure of Methicillin-Resistant Staphylococcus aureus to Low Levels of the Antibacterial THAM-3Î¦G Generates a Small Colony Drug-Resistant Phenotype. Scientific Reports, 2018, 8, 9850.	1.6	5
283	Antibiotic resistance genes in China: occurrence, risk, and correlation among different parameters. Environmental Science and Pollution Research, 2018, 25, 21467-21482.	2.7	67
284	Suspended Materials in River Waters Differentially Enrich Class 1 Integron- and IncP-1 Plasmid-Carrying Bacteria in Sediments. Frontiers in Microbiology, 2018, 9, 1443.	1.5	15
285	Tracking antibiotic resistance gene pollution from different sources using machine-learning classification. Microbiome, 2018, 6, 93.	4.9	114
286	Antimicrobial Resistance and Respiratory Infections. Chest, 2018, 154, 1202-1212.	0.4	56
287	The Nigerian catfish (Clarias gariepinus) pisciculture systems: reservoirs of multidrug-resistant bacteria. Journal of Applied Microbiology, 2018, 125, 1552-1568.	1.4	1
288	4-Thiazolidinone coumarin derivatives as two-component NS2B/NS3 DENV flavivirus serine protease inhibitors: synthesis, molecular docking, biological evaluation and structureâ€“activity relationship studies. Chemistry Central Journal, 2018, 12, 69.	2.6	28
289	Current Status of the Use of Antibiotics and the Antimicrobial Resistance in the Chilean Salmon Farms. Frontiers in Microbiology, 2018, 9, 1284.	1.5	218
290	Persistence and spatial variation of antibiotic resistance genes and bacterial populations change in reared shrimp in South China. Environment International, 2018, 119, 327-333.	4.8	60
291	What are the effective solutions to control the dissemination of antibiotic resistance in the environment? A systematic review protocol. Environmental Evidence, 2018, 7, .	1.1	19
292	Metagenomic Characterization of Antibiotic Resistance Genes in Full-Scale Reclaimed Water Distribution Systems and Corresponding Potable Systems. Environmental Science & Technology, 2018, 52, 6113-6125.	4.6	135
293	MALDI-TOF MS Identification and Clustering Applied to Enterobacter Species in Nosocomial Setting. Frontiers in Microbiology, 2018, 9, 1885.	1.5	23
294	Augmented antibiotic resistance associated with cadmium induced alterations in Salmonella enterica serovar Typhi. Scientific Reports, 2018, 8, 12818.	1.6	11
295	Assessing the Antagonistic Potential and Antibiotic Resistance of Actinomycetes Isolated from Two Zheltozems of Southeastern China. Eurasian Soil Science, 2018, 51, 857-864.	0.5	2
296	Antibiotic Resistance and Azithromycin Resistance Mechanism of Legionella pneumophila Serogroup 1 in China. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	19
297	Efficient assembly and long-term stability of defensive microbiomes via private resources and community bistability. PLoS Computational Biology, 2019, 15, e1007109.	1.5	7
298	Environmental and clinical antibiotic resistomes, same only different. Current Opinion in Microbiology, 2019, 51, 57-63.	2.3	39
299	Distribution and Succession Feature of Antibiotic Resistance Genes Along a Soil Development Chronosequence in Urumqi No.1 Glacier of China. Frontiers in Microbiology, 2019, 10, 1569.	1.5	9

#	Article	IF	Citations
300	Soil biota, antimicrobial resistance and planetary health. Environment International, 2019, 131, 105059.	4.8	163
301	Detection of presumed genes encoding beta-lactamases by sequence based screening of metagenomes derived from Antarctic microbial mats. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	3.3	5
302	Antibiotic Resistance Patterns of DiverseEscherichia coliPhylogenetic Groups Isolated from the Al-Hillah River in Babylon Province, Iraq. Scientific World Journal, The, 2019, 2019, 1-8.	0.8	6
303	Incidence and Characterization of Salmonella Isolates From Raw Meat Products Sold at Small Markets in Hubei Province, China. Frontiers in Microbiology, 2019, 10, 2265.	1.5	13
306	Antagonism and Resistance to Antibiotics of Actinomycetes from Soils of Three Specially Protected Natural Territories. Eurasian Soil Science, 2019, 52, 1227-1233.	0.5	5
307	Identification of discriminatory antibiotic resistance genes among environmental resistomes using extremely randomized tree algorithm. Microbiome, 2019, 7, 123.	4.9	35
308	Effects of microplastics on distribution of antibiotic resistance genes in recirculating aquaculture system. Ecotoxicology and Environmental Safety, 2019, 184, 109631.	2.9	118
309	Effects of CO2 on the transformation of antibiotic resistance genes via increasing cell membrane channels. Environmental Pollution, 2019, 254, 113045.	3.7	16
310	Urban beaches are environmental hotspots for antibiotic resistance following rainfall. Water Research, 2019, 167, 115081.	5.3	37
311	Antimicrobial Resistance Crisis and Combating Approaches. Journal of Medicine (Bangladesh), 2019, 20, 38-45.	0.1	18
312	NanoARG: a web service for detecting and contextualizing antimicrobial resistance genes from nanopore-derived metagenomes. Microbiome, 2019, 7, 88.	4.9	72
313	Environmental risk assessment of antibiotics in agroecosystems: ecotoxicological effects on aquatic microbial communities and dissemination of antimicrobial resistances and antibiotic biodegradation potential along the soil-water continuum. Environmental Science and Pollution Research, 2019, 26, 18930-18937.	2.7	38
314	Development of antimicrobial resistance: future challenges. , 2019, , 383-408.		2
315	Antibiotics induced antibacterial resistance. , 2019, , 429-448.		6
316	Prevalence and Diversity of Antibiotic Resistance Genes in Swedish Aquatic Environments Impacted by Household and Hospital Wastewater. Frontiers in Microbiology, 2019, 10, 688.	1.5	89
317	Connecting iron acquisition and biofilm formation in the ESKAPE pathogens as a strategy for combatting antibiotic resistance. MedChemComm, 2019, 10, 505-512.	3.5	27
318	Scienceâ€based Targets for Antibiotics in Receiving Waters from Pharmaceutical Manufacturing Operations. Integrated Environmental Assessment and Management, 2019, 15, 312-319.	1.6	86
319	Prevalence of Antibiotic Resistance Genes in Air-Conditioning Systems in Hospitals, Farms, and Residences. International Journal of Environmental Research and Public Health, 2019, 16, 683.	1.2	26

#	Article	IF	Citations
320	Response of Freshwater Biofilms to Antibiotic Florfenicol and Ofloxacin Stress: Role of Extracellular Polymeric Substances. International Journal of Environmental Research and Public Health, 2019, 16, 715.	1.2	28
321	Immobilised Cerium-Doped Zinc Oxide as a Photocatalyst for the Degradation of Antibiotics and the Inactivation of Antibiotic-Resistant Bacteria. Catalysts, 2019, 9, 222.	1.6	28
322	Antibiotic susceptibility of marine Planctomycetes. Antonie Van Leeuwenhoek, 2019, 112, 1273-1280.	0.7	39
323	Genome sequence of Xanthomonas fuscans subsp. fuscans strain Xff49: a new isolate obtained from common beans in Southern Brazil. Brazilian Journal of Microbiology, 2019, 50, 357-367.	0.8	3
324	A survey of antimicrobial resistance in Enterobacteriaceae isolated from the Chesapeake Bay and adjacent upper tributaries. MicrobiologyOpen, 2019, 8, e00839.	1.2	7
325	Taxonomic Distribution of FosB in Human-Microbiota and Activity Comparison of Fosfomycin Resistance. Frontiers in Microbiology, 2019, 10, 200.	1.5	7
326	Technology, Science, and Culture: A Global Vision. , 2019, , .		1
327	Antibiotic resistance genes and bacterial communities in cornfield and pasture soils receiving swine and dairy manures. Environmental Pollution, 2019, 248, 947-957.	3.7	83
328	Selection and Transmission of Antibiotic-Resistant Bacteria. , 2019, , 117-137.		2
329	Resistance Reservoirs and Multi-Drug Resistance of Commensal Escherichia coli From Excreta and Manure Isolated in Broiler Houses With Different Flooring Designs. Frontiers in Microbiology, 2019, 10, 2633.	1.5	25
330	Compost-bulking agents reduce the reservoir of antibiotics and antibiotic resistance genes in manures by modifying bacterial microbiota. Science of the Total Environment, 2019, 649, 396-404.	3.9	96
331	Additional reduction of antibiotic resistance genes and human bacterial pathogens via thermophilic aerobic digestion of anaerobically digested sludge. Bioresource Technology, 2019, 273, 259-268.	4.8	33
332	Assessment and Management of Risks Associated With Antibiotic Resistance in the Environment. , 2019, , 243-263.		6
333	Fecal pollution can explain antibiotic resistance gene abundances in anthropogenically impacted environments. Nature Communications, 2019, 10, 80.	5.8	378
334	Selection and Transmission of Antibiotic-Resistant Bacteria. Microbiology Spectrum, 2017, 5, .	1.2	55
335	Prevalence of Î²-Lactam and Sulfonamide Resistance Genes in a Freshwater Reservoir, Lake BrÃ¤t, Switzerland. Exposure and Health, 2020, 12, 187-197.	2.8	7
336	Antibiotic resistance genes, class 1 integrons, and IncP-1/IncQ-1 plasmids in irrigation return flows. Environmental Pollution, 2020, 257, 113568.	3.7	10
337	Transfer potentials of antibiotic resistance genes in Escherichia spp. strains from different sources. Chemosphere, 2020, 246, 125736.	4.2	30

#	Article	IF	Citations
338	Occurrence of ESBL-Producing Escherichia coli ST131, Including the H30-Rx and C1-M27 Subclones, Among Urban Seagulls from the United Kingdom. Microbial Drug Resistance, 2020, 26, 697-708.	0.9	16
339	Metagenomics and methods development for the determination of antibiotics and AMR/ARGS. , 2020, , 195-205.		0
340	Treatment technologies and management options of antibiotics and AMR/ARGs. , 2020, , 369-393.		7
341	Horizontal persistence and the complexity hypothesis. Biology and Philosophy, 2020, 35, 1.	0.7	17
342	Microbial regulation of natural antibiotic resistance: Understanding the protist-bacteria interactions for evolution of soil resistome. Science of the Total Environment, 2020, 705, 135882.	3.9	63
343	Groundwater resources as a global reservoir for antimicrobial-resistant bacteria. Water Research, 2020, 170, 115360.	5.3	57
344	Evaluation of Potential ARG Packaging by Two Environmental T7-Like Phage during Phage-Host Interaction. Viruses, 2020, 12, 1060.	1.5	9
345	The Central Role of Interbacterial Antagonism in Bacterial Life. Current Biology, 2020, 30, R1203-R1214.	1.8	59
346	Antibiotics in Food Chain: The Consequences for Antibiotic Resistance. Antibiotics, 2020, 9, 688.	1.5	60
347	Dissemination of antibiotic resistance genes (ARGs) via integrons in Escherichia coli: A risk to human health. Environmental Pollution, 2020, 266, 115260.	3.7	76
348	Antimicrobial Resistance. , 2020, , .		2
349	Antibiotic Resistance in Recreational Waters: State of the Science. International Journal of Environmental Research and Public Health, 2020, 17, 8034.	1.2	40
350	Phenotypic Tracking of Antibiotic Resistance Spread via Transformation from Environment to Clinic by Reverse D₂O Single-Cell Raman Probing. Analytical Chemistry, 2020, 92, 15472-15479.	3.2	15
351	Genetic Profiles and Antimicrobial Resistance Patterns of Salmonella Infantis Strains Isolated in Italy in the Food Chain of Broiler Meat Production. Antibiotics, 2020, 9, 814.	1.5	15
352	Antimicrobial Susceptibility of Escherichia coli and ESBL-Producing Escherichia coli Diffusion in Conventional, Organic and Antibiotic-Free Meat Chickens at Slaughter. Animals, 2020, 10, 1215.	1.0	27
353	Environmental imaginaries and the environmental sciences of antimicrobial resistance. Environment and Planning E, Nature and Space, 2021, 4, 1346-1368.	1.6	5
354	Differences in Tetracycline Antibiotic Resistance Genes and Microbial Community Structure During Aerobic Composting and Anaerobic Digestion. Frontiers in Microbiology, 2020, 11, 583995.	1.5	14
355	Diversity and genetic lineages of environmental staphylococci: a surface water overview. FEMS Microbiology Ecology, 2020, 96, .	1.3	23

#	Article	IF	Citations
356	Human Movement and Transmission of Antimicrobial-Resistant Bacteria. Handbook of Environmental Chemistry, 2020, , 311-344.	0.2	2
357	Antibiotic Resistance in the Environment. Handbook of Environmental Chemistry, 2020, , .	0.2	5
358	Abundance, diversity and mobility potential of antibiotic resistance genes in pristine Tibetan Plateau soil as revealed by soil metagenomics. FEMS Microbiology Ecology, 2020, 96, .	1.3	28
359	Diverse and abundant resistome in terrestrial and aquatic vertebrates revealed by transcriptional analysis. Scientific Reports, 2020, 10, 18870.	1.6	13
360	To a Question on the Mechanism of the Antimicrobial Action of Ortho-Benzoic Sulfimide. Pharmaceuticals, 2020, 13, 461.	1.7	1
361	Systematically Studying the Optimal Amino Acid Distribution Patterns of the Amphiphilic Structure by Using the Ultrashort Amphiphiles. Frontiers in Microbiology, 2020, 11, 569118.	1.5	18
362	Antibiotic and Metal Resistance in Escherichia coli Isolated from Pig Slaughterhouses in the United Kingdom. Antibiotics, 2020, 9, 746.	1.5	15
363	Response mechanism of typical wetland plants and removal of water pollutants under different levofloxacin concentration. Ecological Engineering, 2020, 158, 106023.	1.6	18
364	Changes in Antibiotic Resistance Gene Levels in Soil after Irrigation with Treated Wastewater: A Comparison between Heterogeneous Photocatalysis and Chlorination. Environmental Science & Technology, 2020, 54, 7677-7686.	4.6	54
365	The Gut Microbiota of the Egyptian Mongoose as an Early Warning Indicator of Ecosystem Health in Portugal. International Journal of Environmental Research and Public Health, 2020, 17, 3104.	1.2	3
366	Relief of Biofilm Hypoxia Using an Oxygen Nanocarrier: A New Paradigm for Enhanced Antibiotic Therapy. Advanced Science, 2020, 7, 2000398.	5.6	80
367	Escherichia coli Antimicrobial Resistance Variability in Water Runoff and Soil from a Remnant Native Prairie, an Improved Pasture, and a Cultivated Agricultural Watershed. Water (Switzerland), 2020, 12, 1251.	1.2	7
368	Molecular Epidemiology of Staphylococcus aureus Lineages in Wild Animals in Europe: A Review. Antibiotics, 2020, 9, 122.	1.5	30
369	Prevalence, Antimicrobial Resistance, Virulence Genes and Genetic Diversity of Salmonella Isolated from Retail Duck Meat in Southern China. Microorganisms, 2020, 8, 444.	1.6	28
370	Environmentally Benign Nanoantibiotics with a Built-in Deactivation Switch Responsive to Natural Habitats. Biomacromolecules, 2020, 21, 2187-2198.	2.6	16
371	Consequences Of Long-Term Bacteriaâ€™s Exposure To Silver Nanoformulations With Different PhysicoChemical Properties . International Journal of Nanomedicine, 2020, Volume 15, 199-213.	3.3	14
372	Resistome in Lake Bolonha, Brazilian Amazon: Identification of Genes Related to Resistance to Broad-Spectrum Antibiotics. Frontiers in Microbiology, 2020, 11, 67.	1.5	19
373	The Contribution of Wastewater to the Transmission of Antimicrobial Resistance in the Environment: Implications of Mass Gathering Settings. Tropical Medicine and Infectious Disease, 2020, 5, 33.	0.9	92

#	Article	IF	Citations
374	Antibiotics in wastewater from multiple sources and surface water of the Yangtze River in Chongqing in China. Environmental Monitoring and Assessment, 2020, 192, 159.	1.3	26
375	Microbiological Air Quality and Drug Resistance in Airborne Bacteria Isolated from a Waste Sorting Plant Located in Polandâ€•A Case Study. Microorganisms, 2020, 8, 202.	1.6	10
376	Evolutions of antibiotic resistance genes (ARGs), class 1 integron-integrase (intI1) and potential hosts of ARGs during sludge anaerobic digestion with the iron nanoparticles addition. Science of the Total Environment, 2020, 724, 138248.	3.9	68
377	Estimated discharge of antibiotic-resistant bacteria from combined sewer overflows of urban sewage system. Npj Clean Water, 2020, 3, .	3.1	34
378	Whole Genome Sequencing Differentiates Presumptive Extended Spectrum Beta-Lactamase Producing Escherichia coli along Segments of the One Health Continuum. Microorganisms, 2020, 8, 448.	1.6	25
379	Determining Hosts of Antibiotic Resistance Genes: A Review of Methodological Advances. Environmental Science and Technology Letters, 2020, 7, 282-291.	3.9	85
380	High efficiency heterogeneous Fenton-like catalyst biochar modified CuFeO2 for the degradation of tetracycline: Economical synthesis, catalytic performance and mechanism. Applied Catalysis B: Environmental, 2021, 280, 119386.	10.8	318
381	Degradation of sulfamethoxazole by Co3O4-palygorskite composites activated peroxymonosulfate oxidation. Chemical Engineering Journal, 2021, 406, 126759.	6.6	65
382	Disequilibrium in chicken gut microflora with avian colibacillosis is related to microenvironment damaged by antibiotics. Science of the Total Environment, 2021, 762, 143058.	3.9	6
383	Nano-Al2O3 can mediate transduction-like transformation of antibiotic resistance genes in water. Journal of Hazardous Materials, 2021, 405, 124224.	6.5	29
384	The application of antimicrobial photodynamic inactivation on methicillin-resistant S. aureus and ESBL-producing K. pneumoniae using porphyrin photosensitizer in combination with silver nanoparticles. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102140.	1.3	6
385	Antibiotics in cultured freshwater products in Eastern China: Occurrence, human health risks, sources, and bioaccumulation potential. Chemosphere, 2021, 264, 128441.	4.2	37
386	Biofilm and Antimicrobial Resistance. , 2021, , 183-208.		6
387	Metal Resistant Bacteria in Animal Manure Induces Bacterial Resistance to Antibiotics: Their Co-occurrence in Compost, Soil and Water. , 2021, , 23-32.		0
388	First report on antibiotic resistance and antimicrobial activity of bacterial isolates from 13,000-year old cave ice core. Scientific Reports, 2021, 11, 514.	1.6	24
390	Futuristic Non-antibiotic Therapies to Combat Antibiotic Resistance: A Review. Frontiers in Microbiology, 2021, 12, 609459.	1.5	93
391	Quinolone resistance (qnrA) gene in isolates of Escherichia coli collected from the Al-Hillah River in Babylon Province, Iraq. Pharmacia, 2021, 68, 1-7.	0.4	3
392	Highâ€throughput molecular analyses of microbiomes as a tool to monitor the wellbeing of aquatic environments. Microbial Biotechnology, 2021, 14, 870-885.	2.0	21

#	Article	IF	Citations
393	Resilience of agricultural soils to antibiotic resistance genes introduced by agricultural management practices. Science of the Total Environment, 2021, 756, 143699.	3.9	19
394	Ancient Antibiotics, Ancient Resistance. EcoSal Plus, 2021, 9, .	2.1	10
395	Triclosan Tolerance Is Driven by a Conserved Mechanism in Diverse Pseudomonas Species. Applied and Environmental Microbiology, 2021, 87, .	1.4	8
396	The Role of Aquatic Ecosystems (River Tua, Portugal) as Reservoirs of Multidrug-Resistant Aeromonas spp.. Water (Switzerland), 2021, 13, 698.	1.2	9
397	Antibiotic resistome from the One-Health perspective: understanding and controlling antimicrobial resistance transmission. Experimental and Molecular Medicine, 2021, 53, 301-309.	3.2	113
398	Prevalence and Antimicrobial Resistance of Salmonella Isolated From Dead-in-Shell Chicken Embryos in Shandong, China. Frontiers in Veterinary Science, 2021, 8, 581946.	0.9	13
399	Exploring Antibiotic Susceptibility, Resistome and Mobilome Structure of Planctomycetes from Gemmataceae Family. Sustainability, 2021, 13, 5031.	1.6	5
400	Elevated Incidences of Antimicrobial Resistance and Multidrug Resistance in the Maumee River (Ohio,) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	4
401	Biosolids as a Source of Antibiotic Resistance Plasmids for Commensal and Pathogenic Bacteria. Frontiers in Microbiology, 2021, 12, 606409.	1.5	14
402	Cross-comparison of methods for quantifying antibiotic resistance in agricultural soils amended with dairy manure and compost. Science of the Total Environment, 2021, 766, 144321.	3.9	16
403	Antibacterial and Antibiofilm Activities of Novel Antimicrobial Peptides against Multidrug-Resistant Enterotoxigenic Escherichia Coli. International Journal of Molecular Sciences, 2021, 22, 3926.	1.8	9
405	Deciphering Potential Roles of Earthworms in Mitigation of Antibiotic Resistance in the Soils from Diverse Ecosystems. Environmental Science & Technology, 2021, 55, 7445-7455.	4.6	49
406	Increased Antimicrobial and Multidrug Resistance Downstream of Wastewater Treatment Plants in an Urban Watershed. Frontiers in Microbiology, 2021, 12, 657353.	1.5	34
407	Diverse and abundant antibiotic resistance genes in mangrove area and their relationship with bacterial communities - A study in Hainan Island, China. Environmental Pollution, 2021, 276, 116704.	3.7	25
409	Isolation and Identification of Resistant Bacteria from Petroleum Producing Vicinity by Gene Amplification and Sequencing. Biotechnology Journal International, 0, , 1-8.	0.2	0
410	Environmental Spread of Antibiotic Resistance. Antibiotics, 2021, 10, 640.	1.5	35
411	Risk-Assessment Method to Forecast Health Hazards Correlated with Distribution of NDM-1 Gene in Waterbodies Surrounding Hyderabad, India. Journal of Environmental Engineering, ASCE, 2021, 147, 04021013.	0.7	0
412	Climate change, melting cryosphere and frozen pathogens: Should we worryâ€¦?. Environmental Sustainability, 2021, 4, 489-501.	1.4	19

#	Article	IF	Citations
413	Old problems and new solutions: antibiotic alternatives in food animal production. Canadian Journal of Microbiology, 2021, 67, 427-444.	0.8	11
414	Antimicrobial Resistance of Escherichia coli from Broilers, Pigs, and Cattle in the Greater Kumasi Metropolis, Ghana. International Journal of Microbiology, 2021, 2021, 1-7.	0.9	13
415	Effect of gentamicin mycelial residues disintegration by microwave-alkaline pretreatment on methane production and gentamicin degradation during anaerobic digestion. Chemical Engineering Journal, 2021, 414, 128790.	6.6	22
416	Vertical and horizontal distributions of clinical antibiotic resistance genes and bacterial communities in Danjiangkou Reservoir, China. Environmental Science and Pollution Research, 2021, 28, 61163-61175.	2.7	4
417	2018 Survey of antimicrobial drug use and stewardship practices in adult cows on California dairies: post-Senate Bill 27. PeerJ, 2021, 9, e11515.	0.9	5
418	The Abundance of Genes Encoding ESBL, pAmpC and Non-Î²-Lactam Resistance in Multidrug-Resistant Enterobacteriaceae Recovered From Wastewater Effluents. Frontiers in Environmental Science, 2021, 9, .	1.5	8
419	Identification of Antibiotics in Surface-Groundwater. A Tool towards the Ecopharmacovigilance Approach: A Portuguese Case-Study. Antibiotics, 2021, 10, 888.	1.5	21
420	Antibiotic Resistance in Wastewater and Its Impact on a Receiving River: A Case Study of WWTP Brno-ModÅ™ice, Czech Republic. Water (Switzerland), 2021, 13, 2309.	1.2	11
421	Diversity and abundance of antibiotic resistance genes in rhizosphere soil and endophytes of leafy vegetables: Focusing on the effect of the vegetable species. Journal of Hazardous Materials, 2021, 415, 125595.	6.5	44
422	Genomic insights into the antibiotic resistance pattern of the tetracycline-degrading bacterium, Arthrobacter nicotianae OTC-16. Scientific Reports, 2021, 11, 15638.	1.6	4
423	Mercury and Antibiotic Resistance Co-Selection in Bacillus sp. Isolates from the AlmadÃ©n Mining District. International Journal of Environmental Research and Public Health, 2021, 18, 8304.	1.2	7
424	The dilution effect limits plasmid horizontal transmission in multispecies bacterial communities. Microbiology (United Kingdom), 2021, 167, .	0.7	12
425	Genomic Sequence Analysis of Methicillin- and Carbapenem-Resistant Bacteria Isolated from Raw Sewage. Microbiology Spectrum, 2021, 9, e0012821.	1.2	1
426	Bioaerosol is an important transmission route of antibiotic resistance genes in pig farms. Environment International, 2021, 154, 106559.	4.8	51
427	Distribution of antibiotic resistance genes in the environment. Environmental Pollution, 2021, 285, 117402.	3.7	126
428	Antimicrobial resistance in Galapagos tortoises as an indicator of the growing human footprint. Environmental Pollution, 2021, 284, 117453.	3.7	17
429	Effect of cattle farm exposure on oropharyngeal and gut microbial communities and antibiotic resistance genes in workers. Science of the Total Environment, 2022, 806, 150685.	3.9	14
430	A review of the bioelectrochemical system as an emerging versatile technology for reduction of antibiotic resistance genes. Environment International, 2021, 156, 106689.	4.8	36

#	Article	IF	Citations
431	Revealing the distribution characteristics of antibiotic resistance genes and bacterial communities in animal-aerosol-human in a chicken farm: From One-Health perspective. Ecotoxicology and Environmental Safety, 2021, 224, 112687.	2.9	24
432	Mapping the scientific knowledge of antimicrobial resistance in food-producing animals. One Health, 2021, 13, 100324.	1.5	13
433	Temperature-responsive polymer-tethered Zr-porphyrin MOFs encapsulated carbon dot nanohybrids with boosted visible-light photodegradation for organic contaminants in water. Chemical Engineering Journal, 2021, 426, 131794.	6.6	51
434	Film mulching reduces antibiotic resistance genes in the phyllosphere of lettuce. Journal of Environmental Sciences, 2022, 112, 121-128.	3.2	9
435	The role of iron-based nanoparticles (Fe-NPs) on methanogenesis in anaerobic digestion (AD) performance. Environmental Research, 2022, 204, 112043.	3.7	25
436	Combating Antimicrobial Resistance Through Student-Driven Research and Environmental Surveillance. Frontiers in Microbiology, 2021, 12, 577821.	1.5	7
437	Biological Control Based on Microbial ConsortiaÂâ€“ From Theory to Commercial Products. Progress in Biological Control, 2020, , 183-202.	0.5	7
438	Influence of Abiotic Factors in the Emergence of Antibiotic Resistance. , 2020, , 81-100.		2
439	Semi-Synthesis, Antibacterial, Anticholinesterase Activities, and Drug Likeness Properties of New Analogues of Coumarins Isolated from Ferula lutea (Poir.) Maire. Chemistry Africa, 2020, 3, 635-645.	1.2	7
440	Tertiary treatment technologies for removal of antibiotics and antibiotic resistance genes from wastewater. , 2020, , 1-41.		1
444	Distribution, Numbers, and Diversity of ESBL-Producing E. coli in the Poultry Farm Environment. PLoS ONE, 2015, 10, e0135402.	1.1	107
445	Bacterial Etiology of Skin and Wound Infections along with Antibiogram Profiling in Reference to Emerging Antibiotic Resistance in Animals. Advances in Animal and Veterinary Sciences, 2015, 3, 259-268.	0.1	4
446	The key bacterial cell division protein FtsZ as a novel antibacterial drug target. Bosnian Journal of Basic Medical Sciences, 2020, 20, 310-318.	0.6	11
447	Antimicrobial resistance: a complex issue. OIE Revue Scientifique Et Technique, 2012, 31, 23-31.	0.5	22
448	High Burden of Antibiotic-Resistant Bacteria from Wastewater in Ethiopia: A Systematic Review . Risk Management and Healthcare Policy, 2020, Volume 13, 3003-3011.	1.2	2
450	Influence of Humans on Evolution and Mobilization of Environmental Antibiotic Resistome. Emerging Infectious Diseases, 2013, 19, .	2.0	118
451	New Antibacterial Therapeutics and Strategies. Polish Journal of Microbiology, 2011, 60, 3-12.	0.6	82
452	Horizontal Gene Exchange in Environmental Microbiota. Frontiers in Microbiology, 2011, 2, 158.	1.5	475

#	Article	IF	Citations
453	Methicillin Resistant Staphylococcus aureus Isolated from Wounds of Livestock and Companion Animals of Uttar Pradesh India: A Preliminary Study. International Journal of Pharmacology, 2016, 12, 821-829.	0.1	6
454	Antimicrobial resistance: Call for rational antibiotics practice in India. Journal of Family Medicine and Primary Care, 2020, 9, 2192.	0.3	5
455	Transposable elements in <i>Escherichia coli</i> antimicrobial resistance. Advances in Bioscience and Biotechnology (Print), 2013, 04, 415-423.	0.3	15
456	Presence of Multidrug-Resistant <i>E. coli</i>, <i>Enterococcus</i> spp. and <i>Salmonella</i> spp. in Lakes and Fountains of Porto, Portugal. Journal of Water Resource and Protection, 2013, 05, 1117-1126.	0.3	9
457	Atypical Bacteria in the CF Airways: Diversity, Clinical Consequences, Emergence and Adaptation. , 0, , .		4
458	A historical legacy of antibiotic utilization on bacterial seed banks in sediments. PeerJ, 2018, 6, e4197.	0.9	8
459	Antimicrobial Resistance in Equine Reproduction. Animals, 2021, 11, 3035.	1.0	14
460	OneHealth Approaches Contribute Towards Antimicrobial Resistance: Malaysian Perspective. Frontiers in Microbiology, 2021, 12, 718774.	1.5	9
461	Endowing Conductive Polyetheretherketone/Graphene Nanocomposite with Bioactive and Antibacterial Coating through Electrophoresis. Macromolecular Materials and Engineering, 2022, 307, 2100646.	1.7	5
462	Biological Mitigation of Antibiotic Resistance Gene Dissemination by Antioxidant-Producing Microorganisms in Activated Sludge Systems. Environmental Science & Technology, 2021, 55, 15831-15842.	4.6	24
463	A critical review on the antimicrobial resistance, antibiotic residue and metagenomicsâ€assisted antimicrobial resistance gene detection in freshwater aquaculture environment. Aquaculture Research, 2022, 53, 344-366.	0.9	23
464	Antimicrobial Activity of Soil Actinomycetes Isolated from Western Ghats in Tamil Nadu, India. Journal of Bacteriology & Mycology Open Access, 2016, 3, .	0.2	3
466	Elucidation of the genetic mechanisms contributing to moenomycin resistance in actinobacteria. Faktori Eksperimental Noi Evolucii Organizmiv, 0, 22, 203-209.	0.0	0
468	Technology, Science and Culture - A Global Vision. , 2019, , .		0
469	In vitro influence of metronidazole on the activities of ciprofloxacin against clinically important bacterial isolates. GSC Biological and Pharmaceutical Sciences, 2019, 6, 031-039.	0.1	0
471	The presence of bla1, bla-SHV and bla-TEM in ampicillin-resistant bacteria from agricultural soil samples. Bios, 2019, 90, 257.	0.0	0
472	Antibiotics Resistance in Enterococcus Isolates From Poultry Waste. Ecological Chemistry and Engineering S, 2020, 27, 305-316.	0.3	3
473	<scp>BioF</scp> is a novel <scp>B2</scp> metalloâ€Î²â€lactamase from Pseudomonas sp. isolated from an onâ€farm biopurification system. Environmental Microbiology, 2022, 24, 1247-1262.	1.8	0

#	Article	IF	Citations
474	Distribution of antibiotics in lake water-groundwater - Sediment system in Chenhu Lake area. Environmental Research, 2022, 204, 112343.	3.7	27
475	The prevalence and identification of multidrug-resistant bacteria in adjacent ecological systems in the Hocking Hills region of Appalachia. Fine Focus, 2020, 6, 54-75.	0.2	0
476	Monitoring and comparison of antibiotic resistant bacteria and their resistance genes in municipal and hospital wastewaters. International Journal of Preventive Medicine, 2014, 5, 887-94.	0.2	18
477	Penicillin's Discovery and Antibiotic Resistance: Lessons for the Future?. Yale Journal of Biology and Medicine, 2017, 90, 135-145.	0.2	136
478	The biological weapons threats and coping strategies for health promotion. Journal of Education and Health Promotion, 2021, 10, 127.	0.3	0
479	Composition of Cecal Microbiota in Laying Hens Fed Phytobiotics. Lecture Notes in Networks and Systems, 2022, , 1022-1030.	0.5	1
480	Genomic and Metabolic Characteristics of the Pathogenicity in Pseudomonas aeruginosa. International Journal of Molecular Sciences, 2021, 22, 12892.	1.8	39
481	High Mortality from Carbapenem-Resistant Klebsiella pneumoniae Bloodstream Infection. SSRN Electronic Journal, 0, , .	0.4	0
482	Machine-learning assisted antibiotic detection and categorization using a bacterial sensor array. Sensors and Actuators B: Chemical, 2022, 355, 131257.	4.0	5
483	Varying characteristics and driving mechanisms of antibiotic resistance genes in farmland soil amended with high-density polyethylene microplastics. Journal of Hazardous Materials, 2022, 428, 128196.	6.5	28
484	Diverse antibiotic resistance genes and potential pathogens inhabit in the phyllosphere of fresh vegetables. Science of the Total Environment, 2022, 815, 152851.	3.9	18
485	Antimicrobial agents in food products as a new threat of formation of antibiotic resistance in microorganisms. Bukovinian Medical Herald, 2014, 18, .	0.1	0
486	High-resolution genomic surveillance elucidates a multilayered hierarchical transfer of resistance between WWTP- and human/animal-associated bacteria. Microbiome, 2022, 10, 16.	4.9	18
487	Regulatory Effects of Combined Dietary Supplementation With Essential Oils and Organic Acids on Microbial Communities of Cobb Broilers. Frontiers in Microbiology, 2021, 12, 814626.	1.5	6
489	Facile fabrication of ZnO decorated ZnFe-layered double hydroxides @ biochar nanocomposites for synergistic photodegradation of tetracycline under visible light. Chemical Engineering Journal, 2022, 434, 134772.	6.6	41
490	Self-assembling of 3D layered flower architecture of BiOI modified MgCr2O4 nanosphere for wider spectrum visible-light photocatalytic degradation of rhodamine B and malachite green: Mechanism, pathway, reactive sites and toxicity prediction. Journal of Environmental Management, 2022, 308, 114614.	3.8	26
491	Nutrients, temperature, and oxygen mediate microbial antibiotic resistance in sea bass (Lateolabrax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.9	10
492	Migration of antibiotic resistance genes and evolution of flora structure in the Xenopus tropicalis intestinal tract with combined exposure to roxithromycin and oxytetracycline. Science of the Total Environment, 2022, 820, 153176.	3.9	8

#	Article	IF	Citations
493	Plasmid-mediated antimicrobial resistance in drinking water. Environmental Advances, 2022, 8, 100191.	2.2	14
494	Semiogenesis. Biosemiotics Bookseries, 2021, , 225-262.	0.3	1
495	Heavy metal-induced selection and proliferation of antibiotic resistance: A review. Journal of Applied Microbiology, 2022, 132, 4058-4076.	1.4	52
496	Characteristics Changes on Applications of Antibiotics and Current Approaches to Enhance Productivity with Soil Microbiome. Journal of Pure and Applied Microbiology, 2022, 16, 89-109.	0.3	0
497	From gut to mud: dissemination of antimicrobial resistance between animal and agricultural niches. Environmental Microbiology, 2022, 24, 3290-3306.	1.8	19
498	Development of multidrug-resistant Escherichia coli in some Egyptian veterinary farms. Veterinary World, 2022, 15, 488-495.	0.7	5
499	A Ternary Copper (II) Complex with 4-Fluorophenoxyacetic Acid Hydrazide in Combination with Antibiotics Exhibits Positive Synergistic Effect against Salmonella Typhimurium. Antibiotics, 2022, 11, 388.	1.5	3
500	The Human Health Implications of Antibiotic Resistance in Environmental Isolates from Two Nebraska Watersheds. Microbiology Spectrum, 2022, 10, e0208221.	1.2	4
501	Dead but Not Forgotten: How Extracellular DNA, Moisture, and Space Modulate the Horizontal Transfer of Extracellular Antibiotic Resistance Genes in Soil. Applied and Environmental Microbiology, 2022, 88, e0228021.	1.4	15
502	A cliniciansâ€™ review of the respiratory microbiome. Breathe, 2022, 18, 210161.	0.6	9
503	The High Risk of Bivalve Farming in Coastal Areas With Heavy Metal Pollution and Antibiotic-Resistant Bacteria: A Chilean Perspective. Frontiers in Cellular and Infection Microbiology, 2022, 12, 867446.	1.8	12
504	Fabrication of calcium/cupric crosslinked alginate electrospun nanofibers for enhancing fluoroquinolones adsorption. Microporous and Mesoporous Materials, 2022, 336, 111857.	2.2	4
505	Metagenomic analysis of microbial community structure and distribution of resistance genes in Daihai Lake, China. Environmental Pollution, 2022, 302, 119065.	3.7	13
506	Antibiotic-resistant bacteria and antibiotic resistance genes in uranium mine: Distribution and influencing factors. Environmental Pollution, 2022, 304, 119158.	3.7	13
507	Sulfamethoxazole removal from mariculture wastewater in moving bed biofilm reactor and insight into the changes of antibiotic and resistance genes. Chemosphere, 2022, 298, 134327.	4.2	29
508	How Does Vegetable Waste Decomposition Influence the Antibiotic Resistome and the Human Bacterial Pathogen Structure in Leachates?. ACS ES&T Water, 2022, 2, 226-236.	2.3	10
510	Antimicrobial resistance as a nexus between teaching and research. Journal of Biological Education, 2023, 57, 856-872.	0.8	3
511	Why Do Antibiotics Exist?. MBio, 2021, 12, e0196621.	1.8	21

#	Article	IF	Citations
512	Impact of antibiotic-resistant bacteria on the environment. , 2022, , 45-62.		0
536	Presence and antimicrobial resistance profiles of Escherichia coli, Enterococcusspp. and Salmonellasp. in 12 species of Australian shorebirds and terns. Zoonoses and Public Health, 2022, 69, 615-624.	0.9	6
538	High mortality from carbapenem-resistant Klebsiella pneumoniae bloodstream infection. Microbial Pathogenesis, 2022, 167, 105519.	1.3	5
539	Ingestion of remediated lead-contaminated soils affects the fecal microbiome of mice. Science of the Total Environment, 2022, 837, 155797.	3.9	3
540	Effects of Trophic Level and Land Use on the Variation of Animal Antibiotic Resistome in the Soil Food Web. Environmental Science & Technology, 2022, 56, 14937-14947.	4.6	19
541	Biological units of antimicrobial resistance and strategies for their containment in animal production. FEMS Microbiology Ecology, 2022, , .	1.3	1
542	Nodules of wild legumes as unique natural hotspots of antibiotic resistance genes. Science of the Total Environment, 2022, 839, 156036.	3.9	1
543	Impact of Sulfamethoxazole on Mixotrophic Denitrification Process: Nitrate Removal Efficiency and the Response of Functional Microbiota. SSRN Electronic Journal, 0, , .	0.4	0
544	Naturalized Escherichia coli in Wastewater and the Co-evolution of Bacterial Resistance to Water Treatment and Antibiotics. Frontiers in Microbiology, 2022, 13, .	1.5	4
545	Antibiotics and Antibiotic Resistance- Flipsides of the Same Coin. Current Pharmaceutical Design, 2022, 28, 2312-2329.	0.9	11
546	Metagenomic assembly and binning analyses the prevalence and spread of antibiotic resistome in water and fish gut microbiomes along an environmental gradient. Journal of Environmental Management, 2022, 318, 115521.	3.8	13
547	Concentration and reduction efficiency of vancomycin-resistant heterotrophic bacteria and vanA and vanB genes in wastewater treatment unit processes. Journal of Global Antimicrobial Resistance, 2022, 30, 340-347.	0.9	2
548	Link Between Antibiotic Persistence and Antibiotic Resistance in Bacterial Pathogens. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	18
549	Spread of antimicrobial resistance genes via pig manure from organic and conventional farms in the presence or absence of antibiotic use. Journal of Applied Microbiology, 2022, 133, 2457-2465.	1.4	7
550	Microwaves, a potential treatment for bacteria: A review. Frontiers in Microbiology, 0, 13, .	1.5	9
551	Facile fabrication of a 2D/2D CoFe-LDH/g-C3N4 nanocomposite with enhanced photocatalytic tetracycline degradation. Environmental Science and Pollution Research, 2023, 30, 4709-4720.	2.7	6
552	Prevalence of antibiotic resistance genes in drinking and environmental water sources of the Kathmandu Valley, Nepal. Frontiers in Microbiology, 0, 13, .	1.5	1
553	Development of a simple and sensitive method for the determination of virginiamycin M1 antibiotic by capillary electrophoresis. Chemical Papers, 2022, 76, 7419-7427.	1.0	1

#	Article	IF	Citations
554	Impact of sulfamethoxazole and organic supplementation on mixotrophic denitrification process: Nitrate removal efficiency and the response of functional microbiota. Journal of Environmental Management, 2022, 320, 115818.	3.8	4
555	Critical review of technologies for the on-site treatment of hospital wastewater: From conventional to combined advanced processes. Journal of Environmental Management, 2022, 320, 115769.	3.8	33
556	Facultative pathogenic bacteria and antibiotic resistance genes in swine livestock manure and clinical wastewater: A molecular biology comparison. Environmental Pollution, 2022, 313, 120128.	3.7	16
557	Dual metal Co-anchored nanosheets to catalyze advanced oxidation processes for highly efficient oxytetracycline degradation. Environmental Science: Nano, 2022, 9, 4214-4232.	2.2	4
558	Application of Nucleotide-Based Kinetic Modeling Approaches to Predict Antibiotic Resistance Gene Degradation during UV- and Chlorine-Based Wastewater Disinfection Processes: From Bench- to Full-Scale. Environmental Science & Technology, 2022, 56, 15141-15155.	4.6	6
559	Erythro-PmBs: A Selective Polymyxin B Delivery System Using Antibody-Conjugated Hybrid Erythrocyte Liposomes. ACS Infectious Diseases, 2022, 8, 2059-2072.	1.8	8
560	Acinetobacter baylyi Strain BD413 Can Acquire an Antibiotic Resistance Gene by Natural Transformation on Lettuce Phylloplane and Enter the Endosphere. Antibiotics, 2022, 11, 1231.	1.5	4
561	Antibiotic Resistance, Meat Consumption and the Harm Principle. Ethics, Policy and Environment, 2023, 26, 53-68.	0.8	1
562	Environmental factors associated with the prevalence of ESBL/AmpC-producing Escherichia coli in wild boar (Sus scrofa). Frontiers in Veterinary Science, 0, 9, .	0.9	1
563	Layered Double Hydroxides (LDH) as nanocarriers for antimicrobial chemotherapy: From formulation to targeted applications. Materials Chemistry and Physics, 2023, 293, 126965.	2.0	5
564	Serious Risk of Tigecycline Resistance in Escherichia coli Isolated from Swine Manure. Microbial Ecology, 0, , .	1.4	1
565	Frequency of occurrence and habitat selection shape the spatial variation in the antibiotic resistome in riverine ecosystems in eastern China. Environmental Microbiomes, 2022, 17, .	2.2	5
566	Effects of different composting methods on antibiotic-resistant bacteria, antibiotic resistance genes, and microbial diversity in dairy cattle manures. Journal of Dairy Science, 2023, 106, 257-273.	1.4	7
567	Removal and distribution of antibiotics and resistance genes in conventional and advanced drinking water treatment processes. Journal of Water Process Engineering, 2022, 50, 103217.	2.6	12
568	Cyanobacterial blooms: A player in the freshwater environmental resistome with public health relevance?. Environmental Research, 2023, 216, 114612.	3.7	7
569	Prevalence and Antimicrobial Resistance of Bacterial Foodborne Pathogens Isolated from Raw Bivalve Molluscs Subjected to Consumption in Poland during a Ten-Year Period. Foods, 2022, 11, 3521.	1.9	4
570	Vaginal Bacteria in Mares and the Occurrence of Antimicrobial Resistance. Microorganisms, 2022, 10, 2204.	1.6	9
571	Defeat undefeatable: Ionic liquids as novel antimicrobial agents. Journal of Molecular Liquids, 2023, 369, 120782.	2.3	8

#	Article	IF	Citations
572	Irrigation Ponds as Sources of Antimicrobial-Resistant Bacteria in Agricultural Areas with Intensive Use of Poultry Litter. Antibiotics, 2022, 11, 1650.	1.5	1
573	Effect of graphene and graphene oxide on antibiotic resistance genes during copper-contained swine manure anaerobic digestion. Environmental Science and Pollution Research, 0, , .	2.7	2
574	Prediction and interpretation of antibiotic-resistance genes occurrence at recreational beaches using machine learning models. Journal of Environmental Management, 2023, 328, 116969.	3.8	3
575	Minimizing Risks of Antimicrobial Resistance Development in the Environment from a Public One Health Perspective. China CDC Weekly, 2022, 4, 1105-1109.	1.0	8
576	Reduced Graphene Oxide-Coated CuFeO2 with Fenton-like Catalytic Degradation Performance for Terramycin. Nanomaterials, 2022, 12, 4391.	1.9	1
577	NorA, Tet(K), MepA, and MsrA Efflux Pumps in Staphylococcus aureus, their Inhibitors and 1,8-Naphthyridine Sulfonamides. Current Pharmaceutical Design, 2023, 29, 323-355.	0.9	5
579	Recent Approaches for Downplaying Antibiotic Resistance: Molecular Mechanisms. BioMed Research International, 2023, 2023, 1-27.	0.9	8
580	Human health hazards due to antimicrobial resistance spread. , 2023, , 225-240.		0
581	Antibiotics, antibiotic-resistant bacteria, and the environment. , 2023, , 117-142.		1
582	Antimicrobial Susceptibility of Bacteria Isolated from Freshwater Mussels in the Wildcat Creek Watershed, Indiana, United States. Antibiotics, 2023, 12, 728.	1.5	0
583	Mitigation of antibiotic resistome in swine manure by black soldier fly larval conversion combined with composting. Science of the Total Environment, 2023, 879, 163065.	3.9	3
584	Nonsteroidal anti-inflammatory drug diclofenac accelerates the emergence of antibiotic resistance via mutagenesis. Environmental Pollution, 2023, 326, 121457.	3.7	4
585	Efficient photocatalytic degradation of water contaminants via Ag decorated porphyrin-based organic framework materials. Surfaces and Interfaces, 2023, 38, 102843.	1.5	2
586	Prevalence and abundance of antibiotic-resistant genes in culturable bacteria inhabiting a non-polar passu glacier, karakorum mountains range, Pakistan. World Journal of Microbiology and Biotechnology, 2023, 39, .	1.7	2
587	Efficient degradation of tetracycline by a novel nanoconfinement structure Cu2O/Cu@MXene composite. Journal of Hazardous Materials, 2023, 448, 130995.	6.5	29
588	Antimicrobial Resistance in Vaginal Bacteria in Inseminated Mares. Pathogens, 2023, 12, 375.	1.2	6
589	The first detection of two Aeromonas strains in mice of the genus Apodemus. Scientific Reports, 2023, 13, .	1.6	0
590	Cyanobacterial Harmful Algal Bloom Toxin Microcystin and Increased Vibrio Occurrence as Climate-Change-Induced Biological Co-Stressors: Exposure and Disease Outcomes via Their Interaction with Gutâ€“Liverâ€“Brain Axis. Toxins, 2023, 15, 289.	1.5	6

#	Article	IF	Citations
591	Simulated Gastric Acid Promotes the Horizontal Transfer of Multidrug Resistance Genes across Bacteria in the Gastrointestinal Tract at Elevated pH Levels. Microbiology Spectrum, 2023, 11, .	1.2	2
592	Dual-channel fluorescence detection of antibiotic resistance genes based on DNA-templated silver nanoclusters. Science of the Total Environment, 2023, 882, 163559.	3.9	4
627	Antibiotic Resistance in Aquatic Environmental Systems: Implications for Global Public Health. , 2023, , 202-222.		0
629	One Health Perspectives for Addressing Antimicrobial Resistance. , 2024, , 1-21.		0
632	The soil-microbe-plant resistome: A focus on the source-pathway-receptor continuum. Environmental Science and Pollution Research, 2024, 31, 12666-12682.	2.7	0