

Douglas R Call

List of Publications by Year in descending order

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143
papers

6,722
citations

46984

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Variation in Biofilm Formation among Strains of <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 7336-7342.	1.4	443
2	Direct Detection of 16S rRNA in Soil Extracts by Using Oligonucleotide Microarrays. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4708-4716.	1.4	272
3	Detection of bacterial pathogens in environmental samples using DNA microarrays. <i>Journal of Microbiological Methods</i> , 2003, 53, 235-243.	0.7	236
4	Detection of Pathogenic <i>Vibrio</i> spp. in Shellfish by Using Multiplex PCR and DNA Microarrays. <i>Applied and Environmental Microbiology</i> , 2004, 70, 7436-7444.	1.4	187
5	Detecting and genotyping <i>Escherichia coli</i> O157:H7 using multiplexed PCR and nucleic acid microarrays. <i>International Journal of Food Microbiology</i> , 2001, 67, 71-80.	2.1	177
6	Transcriptome analysis of <i>Vibrio parahaemolyticus</i> in type III secretion system 1 inducing conditions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 1.	1.8	160
7	Role of Calf-Adapted <i>Escherichia coli</i> in Maintenance of Antimicrobial Drug Resistance in Dairy Calves. <i>Applied and Environmental Microbiology</i> , 2004, 70, 752-757.	1.4	158
8	Identifying Antimicrobial Resistance Genes with DNA Microarrays. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3290-3295.	1.4	157
9	Challenges and Opportunities for Pathogen Detection Using DNA Microarrays. <i>Critical Reviews in Microbiology</i> , 2005, 31, 91-99.	2.7	156
10	<i>Listeria monocytogenes</i> Serotype Identification by PCR. <i>Journal of Clinical Microbiology</i> , 2003, 41, 5537-5540.	1.8	149
11	<i>bla</i> _{CMY-2} -Positive IncA/C Plasmids from <i>Escherichia coli</i> and <i>Salmonella enterica</i> Are a Distinct Component of a Larger Lineage of Plasmids. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 590-596.	1.4	147
12	Evaluation of Pulsed-Field Gel Electrophoresis as a Tool for Determining the Degree of Genetic Relatedness between Strains of <i>Escherichia coli</i> O157:H7. <i>Journal of Clinical Microbiology</i> , 2003, 41, 1843-1849.	1.8	121
13	Simultaneous Detection of Marine Fish Pathogens by Using Multiplex PCR and a DNA Microarray. <i>Journal of Clinical Microbiology</i> , 2004, 42, 1414-1419.	1.8	115
14	Mixed-Genome Microarrays Reveal Multiple Serotype and Lineage-Specific Differences among Strains of <i>Listeria monocytogenes</i> . <i>Journal of Clinical Microbiology</i> , 2003, 41, 632-639.	1.8	110
15	PCR Detection of Specific Pathogens in Water: A Risk-Based Analysis. <i>Environmental Science & Technology</i> , 2002, 36, 2754-2759.	4.6	104
16	A review of 40 years of enteric antimicrobial resistance research in Eastern Africa: what can be done better?. <i>Antimicrobial Resistance and Infection Control</i> , 2015, 4, 1.	1.5	97
17	Simultaneous Discrimination between 15 Fish Pathogens by Using 16S Ribosomal DNA PCR and DNA Microarrays. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4216-4221.	1.4	94
18	Selection Pressure Required for Long-Term Persistence of <i>bla</i> _{CMY-2} -Positive IncA/C Plasmids. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4486-4493.	1.4	91

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19	Selective Discrimination of <i>Listeria monocytogenes</i> Epidemic Strains by a Mixed-Genome DNA Microarray Compared to Discrimination by Pulsed-Field Gel Electrophoresis, Ribotyping, and Multilocus Sequence Typing. <i>Journal of Clinical Microbiology</i> , 2004, 42, 5270-5276.	1.8	90
20	Use of a Nonmedicated Dietary Supplement Correlates with Increased Prevalence of Streptomycin-Sulfa-Tetracycline-Resistant <i>Escherichia coli</i> on a Dairy Farm. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4583-4588.	1.4	88
21	Discrimination among <i>Listeria monocytogenes</i> isolates using a mixed genome DNA microarray. <i>Veterinary Microbiology</i> , 2003, 92, 351-362.	0.8	87
22	Antimicrobial resistance in beef and dairy cattle production. <i>Animal Health Research Reviews</i> , 2008, 9, 159-167.	1.4	85
23	β -Lactams and Florfenicol Antibiotics Remain Bioactive in Soils while Ciprofloxacin, Neomycin, and Tetracycline Are Neutralized. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7255-7260.	1.4	82
24	Type III secretion system 1 genes in <i>Vibrio parahaemolyticus</i> are positively regulated by ExsA and negatively regulated by ExsD. <i>Molecular Microbiology</i> , 2008, 69, 747-764.	1.2	81
25	Characterization of Mono- and Mixed-Culture <i>Campylobacter jejuni</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1033-1038.	1.4	81
26	Antimicrobial Use and Veterinary Care among Agro-Pastoralists in Northern Tanzania. <i>PLoS ONE</i> , 2017, 12, e0170328.	1.1	80
27	Cell invasion of poultry-associated <i>Salmonella enterica</i> serovar Enteritidis isolates is associated with pathogenicity, motility and proteins secreted by the type III secretion system. <i>Microbiology (United Kingdom)</i> , 2011, 157, 1428-1445.	0.7	77
28	Role of Ceftiofur in Selection and Dissemination of <i>bla</i> _{CMY-2} -Mediated Cephalosporin Resistance in <i>Salmonella enterica</i> and Commensal <i>Escherichia coli</i> Isolates from Cattle. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3648-3655.	1.4	75
29	Genetic Diversity of <i>Listeria monocytogenes</i> Strains from a High-Prevalence Dairy Farm. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5893-5899.	1.4	71
30	The mechanism of neutral red-mediated microbial electrosynthesis in <i>Escherichia coli</i> : menaquinone reduction. <i>Bioresource Technology</i> , 2015, 192, 689-695.	4.8	69
31	Antimicrobial resistant enteric bacteria are widely distributed amongst people, animals and the environment in Tanzania. <i>Nature Communications</i> , 2020, 11, 228.	5.8	69
32	Electrochemical scaffold generates localized, low concentration of hydrogen peroxide that inhibits bacterial pathogens and biofilms. <i>Scientific Reports</i> , 2015, 5, 14908.	1.6	68
33	Soil-borne reservoirs of antibiotic-resistant bacteria are established following therapeutic treatment of dairy calves. <i>Environmental Microbiology</i> , 2016, 18, 557-564.	1.8	65
34	Differential Protection from Tobramycin by Extracellular Polymeric Substances from <i>Acinetobacter baumannii</i> and <i>Staphylococcus aureus</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4755-4761.	1.4	60
35	Antimicrobial Drug Resistance Genes Do Not Convey a Secondary Fitness Advantage to Calf-Adapted <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 443-448.	1.4	59
36	<i>Salmonella</i> Enteritidis Strains from Poultry Exhibit Differential Responses to Acid Stress, Oxidative Stress, and Survival in the Egg Albumen. <i>Foodborne Pathogens and Disease</i> , 2012, 9, 258-264.	0.8	59

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37	Isolation of rifampicin resistant <i>Flavobacterium psychrophilum</i> strains and their potential as live attenuated vaccine candidates. <i>Vaccine</i> , 2008, 26, 5582-5589.	1.7	58
38	Development of Two Animal Models To Study the Function of <i>Vibrio parahaemolyticus</i> Type III Secretion Systems. <i>Infection and Immunity</i> , 2010, 78, 4551-4559.	1.0	57
39	Amplicon secondary structure prevents target hybridization to oligonucleotide microarrays. <i>Biosensors and Bioelectronics</i> , 2004, 20, 728-735.	5.3	56
40	Identification of potential vaccine target antigens by immunoproteomic analysis of a virulent and a non-virulent strain of the fish pathogen <i>Flavobacterium psychrophilum</i> . <i>Diseases of Aquatic Organisms</i> , 2007, 74, 37-47.	0.5	55
41	<i>Campylobacter jejuni</i> invade chicken LMH cells inefficiently and stimulate differential expression of the chicken CXCL1 and CXCL2 cytokines. <i>Microbiology (United Kingdom)</i> , 2008, 154, 3835-3847.	0.7	54
42	IncF Plasmids Are Commonly Carried by Antibiotic Resistant <i>Escherichia coli</i> Isolated from Drinking Water Sources in Northern Tanzania. <i>International Journal of Microbiology</i> , 2016, 2016, 1-7.	0.9	54
43	Automated immunomagnetic separation and microarray detection of <i>E. coli</i> O157:H7 from poultry carcass rinse. <i>International Journal of Food Microbiology</i> , 2001, 70, 143-154.	2.1	52
44	<i>Staphylococcus aureus</i> Induces Hypoxia and Cellular Damage in Porcine Dermal Explants. <i>Infection and Immunity</i> , 2015, 83, 2531-2541.	1.0	52
45	Suspension Microarray with Dendrimer Signal Amplification Allows Direct and High-Throughput Subtyping of <i>Listeria monocytogenes</i> from Genomic DNA. <i>Journal of Clinical Microbiology</i> , 2005, 43, 3255-3259.	1.8	51
46	Eradication of <i>Pseudomonas aeruginosa</i> biofilms and persister cells using an electrochemical scaffold and enhanced antibiotic susceptibility. <i>Npj Biofilms and Microbiomes</i> , 2016, 2, 2.	2.9	51
47	Variability in the Region Downstream of the bla _{CMY-2} β -Lactamase Gene in <i>Escherichia coli</i> and <i>Salmonella enterica</i> Plasmids. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1590-1593.	1.4	48
48	Comparison of antibiotic resistant <i>Escherichia coli</i> obtained from drinking water sources in northern Tanzania: a cross-sectional study. <i>BMC Microbiology</i> , 2016, 16, 254.	1.3	48
49	Evaluation of 27 different biochars for potential sequestration of antibiotic residues in food animal production environments. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 162-169.	3.3	47
50	Identification of risk factors associated with carriage of resistant <i>Escherichia coli</i> in three culturally diverse ethnic groups in Tanzania: a biological and socioeconomic analysis. <i>Lancet Planetary Health</i> , The, 2018, 2, e489-e497.	5.1	47
51	Fingerprinting Closely Related <i>Xanthomonas</i> Pathovars with Random Nonamer Oligonucleotide Microarrays. <i>Applied and Environmental Microbiology</i> , 2002, 68, 6361-6370.	1.4	45
52	Polymorphisms in 16S rRNA genes of <i>Flavobacterium psychrophilum</i> correlate with elastin hydrolysis and tetracycline resistance. <i>Diseases of Aquatic Organisms</i> , 2005, 65, 209-216.	0.5	44
53	Regulation of type III secretion system 1 gene expression in <i>Vibrio parahaemolyticus</i> is dependent on interactions between ExsA, ExsC, and ExsD. <i>Virulence</i> , 2010, 1, 260-272.	1.8	44
54	Hypochlorous-Acid-Generating Electrochemical Scaffold for Treatment of Wound Biofilms. <i>Scientific Reports</i> , 2019, 9, 2683.	1.6	43

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55	Type III secretion system 1 of <i>Vibrio parahaemolyticus</i> induces oncosis in both epithelial and monocytic cell lines. <i>Microbiology (United Kingdom)</i> , 2009, 155, 837-851.	0.7	42
56	<i>Bibersteinia trehalosi</i> Inhibits the Growth of <i>Mannheimia haemolytica</i> by a Proximity-Dependent Mechanism. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1008-1013.	1.4	42
57	Molecular Epidemiology of bla CMY-2 Plasmids Carried by <i>Salmonella enterica</i> and <i>Escherichia coli</i> Isolates from Cattle in the Pacific Northwest. <i>Applied and Environmental Microbiology</i> , 2007, 73, 8005-8011.	1.4	40
58	Interactions between the environmental pathogen <i>Listeria monocytogenes</i> and a free-living protozoan (<i>Acanthamoeba castellanii</i>). <i>Environmental Microbiology</i> , 2007, 9, 913-922.	1.8	37
59	Do antibiotic residues in soils play a role in amplification and transmission of antibiotic resistant bacteria in cattle populations?. <i>Frontiers in Microbiology</i> , 2013, 4, 193.	1.5	37
60	Characterization of a Novel Microcin That Kills Enterohemorrhagic <i>Escherichia coli</i> O157:H7 and O26. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6592-6599.	1.4	35
61	Quantitative oligonucleotide microarray fingerprinting of <i>Salmonella enterica</i> isolates. <i>Nucleic Acids Research</i> , 2004, 32, 1848-1856.	6.5	34
62	<i>Vibrio parahaemolyticus</i> ExsE is requisite for initial adhesion and subsequent type III secretion system 1-dependent autophagy in HeLa cells. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2303-2314.	0.7	34
63	Complete Genome Sequence of <i>Flavobacterium psychrophilum</i> Strain CSF259-93, Used To Select Rainbow Trout for Increased Genetic Resistance against Bacterial Cold Water Disease. <i>Genome Announcements</i> , 2014, 2, .	0.8	34
64	Combining Suppression Subtractive Hybridization and Microarrays To Map the Intraspecies Phylogeny of <i>Flavobacterium psychrophilum</i> . <i>Infection and Immunity</i> , 2005, 73, 3799-3802.	1.0	33
65	Differential Virulence of Clinical and Bovine-Biased Enterohemorrhagic <i>Escherichia coli</i> O157:H7 Genotypes in Piglet and Dutch Belted Rabbit Models. <i>Infection and Immunity</i> , 2012, 80, 369-380.	1.0	33
66	Urine from Treated Cattle Drives Selection for Cephalosporin Resistant <i>Escherichia coli</i> in Soil. <i>PLoS ONE</i> , 2012, 7, e48919.	1.1	33
67	Using DNA Microarrays To Identify Library-Independent Markers for Bacterial Source Tracking. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1843-1851.	1.4	32
68	Antimicrobial resistance in <i>Salmonella enterica</i> serovar Dublin isolates from beef and dairy sources. <i>Veterinary Microbiology</i> , 2007, 119, 221-230.	0.8	32
69	Multilocus Variable-Number Tandem-Repeat Method for Typing <i>Salmonella enterica</i> Serovar Newport. <i>Journal of Clinical Microbiology</i> , 2009, 47, 1934-1938.	1.8	32
70	Antibiotic use and hygiene interact to influence the distribution of antimicrobial-resistant bacteria in low-income communities in Guatemala. <i>Scientific Reports</i> , 2020, 10, 13767.	1.6	32
71	β -lactam resistance genes in bacteriophage and bacterial DNA from wastewater, river water, and irrigation water in Washington State. <i>Water Research</i> , 2019, 161, 335-340.	5.3	31
72	Whole-genome sequencing reveals <i>Listeria monocytogenes</i> diversity and allows identification of long-term persistent strains in Brazil. <i>Environmental Microbiology</i> , 2019, 21, 4478-4487.	1.8	30

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73	Vp1659 Is a <i>Vibrio parahaemolyticus</i> Type III Secretion System 1 Protein That Contributes to Translocation of Effector Proteins Needed To Induce Cytolysis, Autophagy, and Disruption of Actin Structure in HeLa Cells. <i>Journal of Bacteriology</i> , 2010, 192, 3491-3502.	1.0	28
74	Proximity-Dependent Inhibition in <i>Escherichia coli</i> Isolates from Cattle. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2345-2351.	1.4	28
75	Entericidin Is Required for a Probiotic Treatment (<i>Enterobacter</i> sp. Strain C6-6) To Protect Trout from Cold-Water Disease Challenge. <i>Applied and Environmental Microbiology</i> , 2015, 81, 658-665.	1.4	28
76	Identification of Specific Gene Sequences Conserved in Contemporary Epidemic Strains of <i>Salmonella enterica</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 6938-6947.	1.4	27
77	ExsE Is a Negative Regulator for T3SS Gene Expression in <i>Vibrio alginolyticus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 177.	1.8	27
78	The Streptomycin-Sulfadiazine-Tetracycline Antimicrobial Resistance Element of Calf-Adapted <i>Escherichia coli</i> Is Widely Distributed among Isolates from Washington State Cattle. <i>Applied and Environmental Microbiology</i> , 2008, 74, 391-395.	1.4	25
79	Dairy farm soil presents distinct microbiota and varied prevalence of antibiotic resistance across housing areas. <i>Environmental Pollution</i> , 2019, 254, 113058.	3.7	25
80	Antibiotic residues and antibiotic-resistant bacteria detected in milk marketed for human consumption in Kibera, Nairobi. <i>PLoS ONE</i> , 2020, 15, e0233413.	1.1	25
81	Not All Antibiotic Use Practices in Food-Animal Agriculture Afford the Same Risk. <i>Journal of Environmental Quality</i> , 2016, 45, 618-629.	1.0	24
82	Assessing genetic diversity in plasmids from <i>Escherichia coli</i> and <i>Salmonella enterica</i> using a mixed-plasmid microarray. <i>Journal of Applied Microbiology</i> , 2006, 100, 15-28.	1.4	21
83	Ciprofloxacin Residues in Municipal Biosolid Compost Do Not Selectively Enrich Populations of Resistant Bacteria. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7521-7526.	1.4	20
84	Prevalence of Antibiotic-Resistant Fecal <i>Escherichia coli</i> Isolates from Pened Broiler and Scavenging Local Chickens in Arusha, Tanzania. <i>Journal of Food Protection</i> , 2016, 79, 1424-1429.	0.8	20
85	Microcin PDI regulation and proteolytic cleavage are unique among known microcins. <i>Scientific Reports</i> , 2017, 7, 42529.	1.6	20
86	Large-Scale Analysis of <i>Flavobacterium psychrophilum</i> Multilocus Sequence Typing Genotypes Recovered from North American Salmonids Indicates that both Newly Identified and Recurrent Clonal Complexes Are Associated with Disease. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	20
87	Evidence of superficial knowledge regarding antibiotics and their use: Results of two cross-sectional surveys in an urban informal settlement in Kenya. <i>PLoS ONE</i> , 2017, 12, e0185827.	1.1	19
88	An Individual-Based Model of Transmission of Resistant Bacteria in a Veterinary Teaching Hospital. <i>PLoS ONE</i> , 2014, 9, e98589.	1.1	18
89	Genome-Wide Screening Identifies Six Genes That Are Associated with Susceptibility to <i>Escherichia coli</i> Microcin PDI. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6953-6963.	1.4	17
90	Autoinducer-2 Quorum Sensing Contributes to Regulation of Microcin PDI in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2570.	1.5	17

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91	Impact of Compounding Error on Strategies for Subtyping Pathogenic Bacteria. <i>Foodborne Pathogens and Disease</i> , 2008, 5, 505-516.	0.8	16
92	Carriage of antimicrobial-resistant bacteria in a high-density informal settlement in Kenya is associated with environmental risk-factors. <i>Antimicrobial Resistance and Infection Control</i> , 2021, 10, 18.	1.5	16
93	Considerations for measuring genetic variation and population structure with multilocus fingerprinting. <i>Molecular Ecology</i> , 1998, 7, 1337-1346.	2.0	15
94	Dissemination of antimicrobial resistant strains of <i>Campylobacter coli</i> and <i>Campylobacter jejuni</i> among cattle in Washington State and California. <i>Veterinary Microbiology</i> , 2007, 122, 306-315.	0.8	15
95	Vancomycin and maltodextrin affect structure and activity of <i>Staphylococcus aureus</i> biofilms. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2562-2570.	1.7	15
96	Hyperosmotic Agents and Antibiotics Affect Dissolved Oxygen and pH Concentration Gradients in <i>Staphylococcus aureus</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	15
97	In vitro activity of antimicrobial peptide CDP-B11 alone and in combination with colistin against colistin-resistant and multidrug-resistant <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2021, 11, 2151.	1.6	15
98	A Discrete, Stochastic Model and Correction Method for Bacterial Source Tracking. <i>Environmental Science & Technology</i> , 2008, 42, 524-529.	4.6	14
99	Development and validation of a resistance and virulence gene microarray targeting <i>Escherichia coli</i> and <i>Salmonella enterica</i> . <i>Journal of Microbiological Methods</i> , 2010, 82, 36-41.	0.7	14
100	Colonization of Epidermal Tissue by <i>Staphylococcus aureus</i> Produces Localized Hypoxia and Stimulates Secretion of Antioxidant and Caspase-14 Proteins. <i>Infection and Immunity</i> , 2015, 83, 3026-3034.	1.0	14
101	Osmotic Compounds Enhance Antibiotic Efficacy against <i>Acinetobacter baumannii</i> Biofilm Communities. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	14
102	Microcin PDI Inhibits Antibiotic-Resistant Strains of <i>Escherichia coli</i> and <i>Shigella</i> through a Mechanism of Membrane Disruption and Protection by Homotrimer Self-Immunity. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	14
103	Comparison of Passively Transferred Antibodies in Bighorn and Domestic Lambs Reveals One Factor in Differential Susceptibility of These Species to <i>Mannheimia haemolytica</i> -Induced Pneumonia. <i>Vaccine Journal</i> , 2011, 18, 1133-1138.	3.2	13
104	The Future of Microbial Source Tracking Studies. , 0, , 235-277.		13
105	Maltodextrin enhances biofilm elimination by electrochemical scaffold. <i>Scientific Reports</i> , 2016, 6, 36003.	1.6	12
106	Narrative risk messages increase uptake and sharing of health interventions in a hard-to-reach population: A pilot study to promote milk safety among Maasai pastoralists in Tanzania. <i>Pastoralism</i> , 2019, 9, .	0.3	12
107	Molecular analysis of florfenicol-resistant bacteria isolated from drinking water distribution systems in Southwestern Nigeria. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 23, 340-344.	0.9	12
108	Multilocus variable-number tandem-repeat analysis for subtyping <i>Salmonella enterica</i> serovar <i>Gallinarum</i> . <i>Avian Pathology</i> , 2011, 40, 559-564.	0.8	11

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109	Identification of Potential Type III Secretion Proteins via Heterologous Expression of <i>Vibrio parahaemolyticus</i> DNA. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3492-3494.	1.4	11
110	Evidence for Recent Acquisition and Successful Transmission of bla CTX-M-15 in <i>Salmonella enterica</i> in South Korea. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2383-2387.	1.4	11
111	Regulation of electron transfer processes affects phototrophic mat structure and activity. <i>Frontiers in Microbiology</i> , 2015, 6, 909.	1.5	11
112	A two-month follow-up evaluation testing interventions to limit the emergence and spread of antimicrobial resistant bacteria among Maasai of northern Tanzania. <i>BMC Infectious Diseases</i> , 2017, 17, 770.	1.3	11
113	Structural and metabolic responses of <i>Staphylococcus aureus</i> biofilms to hyperosmotic and antibiotic stress. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1594-1603.	1.7	11
114	On-farm soil resistome is modified after treating dairy calves with the antibiotic florfenicol. <i>Science of the Total Environment</i> , 2021, 750, 141694.	3.9	11
115	Validation of Mixed-Genome Microarrays as a Method for Genetic Discrimination. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1425-1432.	1.4	10
116	Point-prevalence survey of antibiotic use at three public referral hospitals in Kenya. <i>PLoS ONE</i> , 2022, 17, e0270048.	1.1	10
117	Using Protein Clusters from Whole Proteomes to Construct and Augment a Dendrogram. <i>Advances in Bioinformatics</i> , 2013, 2013, 1-8.	5.7	9
118	Potential mechanisms of attenuation for rifampicin-passaged strains of <i>Flavobacterium psychrophilum</i> . <i>BMC Microbiology</i> , 2015, 15, 179.	1.3	9
119	Circumventing colistin resistance by combining colistin and antimicrobial peptides to kill colistin-resistant and multidrug-resistant Gram-negative bacteria. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 706-712.	0.9	9
120	Using DNA suspension arrays to identify library-independent markers for bacterial source tracking. <i>Water Research</i> , 2007, 41, 3740-3746.	5.3	8
121	Isolation of an IncP-1 plasmid harbouring mcr-1 from a chicken isolate of <i>Citrobacter braakii</i> in China. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 936-940.	1.1	8
122	Development of a DNA microarray for detection of expressed equine classical MHC class I sequences in a defined population. <i>Immunogenetics</i> , 2010, 62, 633-639.	1.2	7
123	Genetic relationships among 527 Gram-negative bacterial plasmids. <i>Plasmid</i> , 2012, 68, 133-141.	0.4	7
124	Antimicrobial stewardship through a one health lens. <i>International Journal of Health Governance</i> , 2016, 21, 114-130.	0.6	7
125	Load and Prevalence of Antimicrobial-Resistant <i>Escherichia coli</i> from Fresh Goat Meat in Arusha, Tanzania. <i>Journal of Food Protection</i> , 2016, 79, 1635-1641.	0.8	7
126	Validation of diagnostic assays to screen broodstock for <i>Flavobacterium psychrophilum</i> infections. <i>Journal of Fish Diseases</i> , 2012, 35, 407-419.	0.9	6

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127	Microcin MccPDI reduces the prevalence of susceptible <i>Escherichia coli</i> in neonatal calves. <i>Journal of Applied Microbiology</i> , 2014, 117, 340-346.	1.4	6
128	The impact of fecal sample processing on prevalence estimates for antibiotic-resistant <i>Escherichia coli</i> . <i>Journal of Microbiological Methods</i> , 2017, 136, 71-77.	0.7	6
129	Spatial relationships between small-holder farms coupled with livestock management practices are correlated with the distribution of antibiotic resistant bacteria in northern Tanzania. <i>One Health</i> , 2019, 8, 100097.	1.5	6
130	Responses of <i>Acinetobacter baumannii</i> Bound and Loose Extracellular Polymeric Substances to Hyperosmotic Agents Combined with or without Tobramycin: An Atomic Force Microscopy Study. <i>Langmuir</i> , 2019, 35, 9071-9083.	1.6	6
131	Growth of <i>Mannheimia haemolytica</i> : Inhibitory agents and putative mechanism of inhibition. <i>Veterinary Microbiology</i> , 2014, 174, 155-162.	0.8	4
132	Role of carriers in the transmission of pneumonia in bighorn sheep (<i>Ovis canadensis</i>). <i>Biology Open</i> , 2016, 5, 745-755.	0.6	4
133	Sequential Hypertonic-Hypotonic Treatment Enhances Efficacy of Antibiotic against <i>Acinetobacter baumannii</i> Biofilm Communities. <i>Antibiotics</i> , 2020, 9, 832.	1.5	4
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143	Genome Sequence of <i>Escherichia coli</i> Isolated from an Adult in Kibera, an Urban Informal Settlement in Nairobi, Kenya. <i>Microbiology Resource Announcements</i> , 2022, , e0124121.	0.3	0