Laura J V Piddock

List of Publications by Year in Descending Order

183 papers	17,523 citations	67 h-index	130 g-index
191 ext. papers	21,225 ext. citations	7.8 avg, IF	7.23 L-index

#	Paper	IF	Citations
183	BSAC Vanguard Report Series: The future of drug development.. *Journal of Antimicrobial Chemotherapy*, **2022**, 77, 543-544	5.1	0
182	Metabolomics Reveal Potential Natural Substrates of AcrB in Escherichia coli and Salmonella enterica Serovar Typhimurium. *MBio*, **2021**, 12,	7.8	5
181	Systematic review and meta-analysis of in vitro efficacy of antibiotic combination therapy against carbapenem-resistant Gram-negative bacilli. *International Journal of Antimicrobial Agents*, **2021**, 57, 106344	14.3	9
180	Amikacin Combined with Fosfomycin for Treatment of Neonatal Sepsis in the Setting of Highly Prevalent Antimicrobial Resistance. *Antimicrobial Agents and Chemotherapy*, **2021**, 65, e0029321	5.9	5
179	Time dependent asymptotic analysis of the gene regulatory network of the AcrAB-TolC efflux pump system in gram-negative bacteria. *Journal of Mathematical Biology*, **2021**, 82, 31	2	3
178	Towards the sustainable discovery and development of new antibiotics. *Nature Reviews Chemistry*, **2021**, 1-24	34.6	77
177	Potential Antibiotics for the Treatment of Neonatal Sepsis Caused by Multidrug-Resistant Bacteria. *Paediatric Drugs*, **2021**, 23, 465-484	4.2	3
176	Molecular characterization of plasmids encoding bla from faecal Escherichia coli in travellers returning to the UK from South Asia. *Journal of Hospital Infection*, **2021**, 114, 134-143	6.9	3
175	Perturbed structural dynamics underlie inhibition and altered efflux of the multidrug resistance pump AcrB. *Nature Communications*, **2020**, 11, 5565	17.4	17
174	Chlorpromazine and Amitriptyline Are Substrates and Inhibitors of the AcrB Multidrug Efflux Pump. *MBio*, **2020**, 11,	7.8	17
173	The Global Antibiotic Research and Development Partnership (GARDP) Not-for-Profit Model of Antibiotic Development. *ACS Infectious Diseases*, **2020**, 6, 1295-1298	5.5	8
172	The O-Antigen Epitope Governs Susceptibility to Colistin in Salmonella enterica. *MBio*, **2020**, 11,	7.8	9
171	Overexpression of RamA, Which Regulates Production of the Multidrug Resistance Efflux Pump AcrAB-TolC, Increases Mutation Rate and Influences Drug Resistance Phenotype. *Antimicrobial Agents and Chemotherapy*, **2020**, 64,	5.9	11
170	New Multidrug Efflux Inhibitors for Gram-Negative Bacteria. *MBio*, **2020**, 11,	7.8	10
169	Raw wastewater irrigation for urban agriculture in three African cities increases the abundance of transferable antibiotic resistance genes in soil, including those encoding extended spectrum lactamases (ESBLs). *Science of the Total Environment*, **2020**, 698, 134201	10.2	25
168	Opening Pandora's box: High-level resistance to antibiotics of last resort in Gram-negative bacteria from Nigeria. *Journal of Global Antimicrobial Resistance*, **2020**, 21, 211-217	3.4	4
167	HIV Drugs Inhibit Transfer of Plasmids Carrying Extended-Spectrum Lactamase and Carbapenemase Genes. *MBio*, **2020**, 11,	7.8	9

166	Do phenothiazines possess antimicrobial and efflux inhibitory properties?. *FEMS Microbiology Reviews*, **2019**, 43, 577-590	15.1	13
165	Bacterial flagellin promotes viral entry via an NF-kB and Toll Like Receptor 5 dependent pathway. *Scientific Reports*, **2019**, 9, 7903	4.9	9
164	Antibiotic resistance genes are abundant and diverse in raw sewage used for urban agriculture in Africa and associated with urban population density. *Environmental Pollution*, **2019**, 251, 146-154	9.3	15
163	Together towards a common goal: REVIVE, a community of antimicrobial researchers brought together by the Global Antibiotic Research & Development Partnership (GARDP). *Journal of Antimicrobial Chemotherapy*, **2019**, 74, 1769-1770	5.1	5
162	Non-traditional Antibacterial Therapeutic Options and Challenges. *Cell Host and Microbe*, **2019**, 26, 61-72	23.4	72
161	The 2019 Garrod Lecture: MDR efflux in Gram-negative bacteria-how understanding resistance led to a new tool for drug discovery. *Journal of Antimicrobial Chemotherapy*, **2019**, 74, 3128-3134	5.1	9
160	Molecular Mechanisms of Antibiotic Resistance Part I **2019**, 1-26		2
159	High-throughput sequencing data and antibiotic resistance mechanisms of soil microbial communities in non-irrigated and irrigated soils with raw sewage in African cities. *Data in Brief*, **2019**, 27, 104638	1.2	3
158	Clinically Relevant Plasmid-Host Interactions Indicate that Transcriptional and Not Genomic Modifications Ameliorate Fitness Costs of Carbapenemase-Carrying Plasmids. *MBio*, **2018**, 9,	7.8	35
157	Discovery and development of new antibacterial drugs: learning from experience?. *Journal of Antimicrobial Chemotherapy*, **2018**, 73, 1452-1459	5.1	106
156	Strategies to combat antimicrobial resistance: anti-plasmid and plasmid curing. *FEMS Microbiology Reviews*, **2018**, 42, 781-804	15.1	73
155	Multidrug efflux pumps: structure, function and regulation. *Nature Reviews Microbiology*, **2018**, 16, 523-539	22.2	311
154	Revitalizing the drug pipeline: AntibioticDB, an open access database to aid antibacterial research and development. *Journal of Antimicrobial Chemotherapy*, **2018**, 73, 2284-2297	5.1	22
153	Regulation of the AcrAB-TolC efflux pump in Enterobacteriaceae. *Research in Microbiology*, **2018**, 169, 425-431	4	53
152	Acquisition and Loss of CTX-M-Producing and Non-Producing Escherichia coli in the Fecal Microbiome of Travelers to South Asia. *MBio*, **2018**, 9,	7.8	13
151	Wastewater for Urban Agriculture: A Significant Factor in Dissemination of Antibiotic Resistance. *Environmental Science & Technology*, **2017**, 51, 5863-5864	10.3	32
150	Metabolic constraints on the evolution of antibiotic resistance. *Molecular Systems Biology*, **2017**, 13, 917	12.2	87
149	Understanding drug resistance will improve the treatment of bacterial infections. *Nature Reviews Microbiology*, **2017**, 15, 639-640	22.2	37

148	CsrA maximizes expression of the AcrAB multidrug resistance transporter. *Nucleic Acids Research*, **2017**, 45, 12798-12807	20.1	8
147	Lack of AcrB Efflux Function Confers Loss of Virulence on Serovar Typhimurium. *MBio*, **2017**, 8,	7.8	58
146	Addressing antimicrobial resistance in the UK and Europe. *Lancet Infectious Diseases, The*, **2017**, 17, 1230-1231	25.5	9
145	The multiple antibiotic resistance operon of enteric bacteria controls DNA repair and outer membrane integrity. *Nature Communications*, **2017**, 8, 1444	17.4	53
144	To the G20: incentivising antibacterial research and development. *Lancet Infectious Diseases, The*, **2017**, 17, 799-801	25.5	22
143	Quinolone-resistant gyrase mutants demonstrate decreased susceptibility to triclosan. *Journal of Antimicrobial Chemotherapy*, **2017**, 72, 2755-2763	5.1	20
142	Beyond Antimicrobial Resistance: Evidence for a Distinct Role of the AcrD Efflux Pump in Salmonella Biology. *MBio*, **2016**, 7,	7.8	25
141	Assess drug-resistance phenotypes, not just genotypes. *Nature Microbiology*, **2016**, 1, 16120	26.6	23
140	Ciprofloxacin and ceftriaxone alter cytokine responses, but not Toll-like receptors, to Salmonella infection in vitro. *Journal of Antimicrobial Chemotherapy*, **2016**, 71, 1826-33	5.1	6
139	Ask the experts: how to curb antibiotic resistance and plug the antibiotics gap?. *Future Medicinal Chemistry*, **2016**, 8, 1027-32	4.1	8
138	Understanding the mechanisms and drivers of antimicrobial resistance. *Lancet, The*, **2016**, 387, 176-87	40	981
137	Inactivation or inhibition of AcrAB-TolC increases resistance of carbapenemase-producing Enterobacteriaceae to carbapenems. *Journal of Antimicrobial Chemotherapy*, **2016**, 71, 1510-9	5.1	27
136	High level fluoroquinolone resistance in Escherichia coli isolatedfrom animals in Turkey is due to multiple mechanisms. *Turkish Journal of Veterinary and Animal Sciences*, **2016**, 40, 214-218	0.6	6
135	How to Measure Export via Bacterial Multidrug Resistance Efflux Pumps. *MBio*, **2016**, 7,	7.8	82
134	Reflecting on the final report of the O'Neill Review on Antimicrobial Resistance. *Lancet Infectious Diseases, The*, **2016**, 16, 767-768	25.5	47
133	The Acinetobacter baumannii Two-Component System AdeRS Regulates Genes Required for Multidrug Efflux, Biofilm Formation, and Virulence in a Strain-Specific Manner. *MBio*, **2016**, 7, e00430-16	7.8	87
132	AcrB drug-binding pocket substitution confers clinically relevant resistance and altered substrate specificity. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3511-6	11.5	125
131	Teixobactin, the first of a new class of antibiotics discovered by iChip technology?. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 2679-80	5.1	77

130	A novel gene amplification causes upregulation of the PatAB ABC transporter and fluoroquinolone resistance in Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 3098-108	5.9	17
129	Parallel evolutionary pathways to antibiotic resistance selected by biocide exposure. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 2241-8	5.1	85
128	Molecular mechanisms of antibiotic resistance. *Nature Reviews Microbiology*, **2015**, 13, 42-51	22.2	1907
127	Clinically relevant fluoroquinolone resistance due to constitutive overexpression of the PatAB ABC transporter in Streptococcus pneumoniae is conferred by disruption of a transcriptional attenuator. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 670-9	5.1	20
126	Expression of homologous RND efflux pump genes is dependent upon AcrB expression: implications for efflux and virulence inhibitor design. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 424-31	5.1	60
125	Antibiotic research and development: business as usual?. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 1604-7	5.1	51
124	Inhibition of multidrug efflux as a strategy to prevent biofilm formation. *Journal of Antimicrobial Chemotherapy*, **2014**, 69, 673-81	5.1	101
123	Understanding the basis of antibiotic resistance: a platform for drug discovery. *Microbiology (United Kingdom)*, **2014**, 160, 2366-2373	2.9	33
122	RamA, which controls expression of the MDR efflux pump AcrAB-TolC, is regulated by the Lon protease. *Journal of Antimicrobial Chemotherapy*, **2014**, 69, 643-50	5.1	38
121	Functional genomics to identify the factors contributing to successful persistence and global spread of an antibiotic resistance plasmid. *BMC Microbiology*, **2014**, 14, 168	4.5	22
120	Antibiotic resistance: a geopolitical issue. *Clinical Microbiology and Infection*, **2014**, 20, 949-53	9.5	58
119	UK and European Union public and charitable funding from 2008 to 2013 for bacteriology and antibiotic research in the UK: an observational study. *Lancet Infectious Diseases, The*, **2014**, 14, 857-68	25.5	30
118	Multiple transmissible genes encoding fluoroquinolone and third-generation cephalosporin resistance co-located in non-typhoidal Salmonella isolated from food-producing animals in China. *International Journal of Antimicrobial Agents*, **2014**, 43, 242-7	14.3	56
117	Fluoroquinolone resistance: mechanisms, impact on bacteria, and role in evolutionary success. *Trends in Microbiology*, **2014**, 22, 438-45	12.4	509
116	Antibiotic Resistance in Escherichia coli **2014**, 374-386		1
115	Multidrug efflux pumps in Gram-negative bacteria and their role in antibiotic resistance. *Future Microbiology*, **2014**, 9, 1165-77	2.9	191
114	A method for generating marker-less gene deletions in multidrug-resistant Acinetobacter baumannii. *BMC Microbiology*, **2013**, 13, 158	4.5	47
113	Antibiotic action: helping deliver action plans and strategies. *Lancet Infectious Diseases, The*, **2013**, 13, 1009-11	25.5	9

112	The comprehensive antibiotic resistance database. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 3348-57	5.9	1045
111	Clinically relevant mutant DNA gyrase alters supercoiling, changes the transcriptome, and confers multidrug resistance. *MBio*, **2013**, 4,	7.8	47
110	Genetic inactivation of acrAB or inhibition of efflux induces expression of ramA. *Journal of Antimicrobial Chemotherapy*, **2013**, 68, 1551-7	5.1	35
109	Efflux in Acinetobacter baumannii can be determined by measuring accumulation of H33342 (bis-benzamide). *Journal of Antimicrobial Chemotherapy*, **2013**, 68, 1594-600	5.1	33
108	Choice of bacterial growth medium alters the transcriptome and phenotype of Salmonella enterica Serovar Typhimurium. *PLoS ONE*, **2013**, 8, e63912	3.7	27
107	Avoiding the doomsday predictions: The dual crises of antibiotic resistance and the failing antibiotic pipeline. *Biochemist*, **2013**, 35, 66-69	0.5	1
106	Regulation of RamA by RamR in Salmonella enterica serovar Typhimurium: isolation of a RamR superrepressor. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 6037-40	5.9	18
105	The crisis of no new antibiotics--what is the way forward?. *Lancet Infectious Diseases, The*, **2012**, 12, 249-53	23.5	282
104	Persistence of transferable extended-spectrum-β-lactamase resistance in the absence of antibiotic pressure. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 4703-6	5.9	45
103	Detection and characterization of pCT-like plasmid vectors for blaCTX-M-14 in Escherichia coli isolates from humans, turkeys and cattle in England and Wales. *Journal of Antimicrobial Chemotherapy*, **2012**, 67, 1639-44	5.1	31
102	Dissemination of pCT-like IncK plasmids harboring CTX-M-14 extended-spectrum β-lactamase among clinical Escherichia coli isolates in the United Kingdom. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 3376-7	5.9	18
101	Loss of or inhibition of all multidrug resistance efflux pumps of Salmonella enterica serovar Typhimurium results in impaired ability to form a biofilm. *Journal of Antimicrobial Chemotherapy*, **2012**, 67, 2409-17	5.1	122
100	The TCA cycle is not required for selection or survival of multidrug-resistant Salmonella. *Journal of Antimicrobial Chemotherapy*, **2012**, 67, 589-99	5.1	11
99	Medicinal plant extracts with efflux inhibitory activity against Gram-negative bacteria. *International Journal of Antimicrobial Agents*, **2011**, 37, 145-51	14.3	72
98	Discovery research: the scientific challenge of finding new antibiotics. *Journal of Antimicrobial Chemotherapy*, **2011**, 66, 1941-4	5.1	191
97	Complete sequence and molecular epidemiology of IncK epidemic plasmid encoding blaCTX-M-14. *Emerging Infectious Diseases*, **2011**, 17, 645-52	10.2	70
96	Resistance and tolerance to tropodithietic acid, an antimicrobial in aquaculture, is hard to select. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 1332-7	5.9	48
95	Regulatory opportunities to encourage technology solutions to antibacterial drug resistance. *Journal of Antimicrobial Chemotherapy*, **2011**, 66, 1945-7	5.1	18

94	The urgent need for new antibacterial agents. *Journal of Antimicrobial Chemotherapy*, **2011**, 66, 1939-40	5.1	81
93	Effective antibacterials: at what cost? The economics of antibacterial resistance and its control. *Journal of Antimicrobial Chemotherapy*, **2011**, 66, 1948-53	5.1	49
92	Overexpression of patA and patB, which encode ABC transporters, is associated with fluoroquinolone resistance in clinical isolates of Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 190-6	5.9	49
91	Exploiting the role of TolC in pathogenicity: identification of a bacteriophage for eradication of Salmonella serovars from poultry. *Applied and Environmental Microbiology*, **2010**, 76, 1704-6	4.8	36
90	A 96-well plate fluorescence assay for assessment of cellular permeability and active efflux in Salmonella enterica serovar Typhimurium and Escherichia coli. *Journal of Antimicrobial Chemotherapy*, **2010**, 65, 1655-63	5.1	108
89	RamA, a member of the AraC/XylS family, influences both virulence and efflux in Salmonella enterica serovar Typhimurium. *Journal of Bacteriology*, **2010**, 192, 1607-16	3.5	89
88	Fluoroquinolones induce the expression of patA and patB, which encode ABC efflux pumps in Streptococcus pneumoniae. *Journal of Antimicrobial Chemotherapy*, **2010**, 65, 2076-82	5.1	38
87	Natural and synthetic compounds such as trimethoprim behave as inhibitors of efflux in Gram-negative bacteria. *Journal of Antimicrobial Chemotherapy*, **2010**, 65, 1215-23	5.1	69
86	The global consequence of disruption of the AcrAB-TolC efflux pump in Salmonella enterica includes reduced expression of SPI-1 and other attributes required to infect the host. *Journal of Bacteriology*, **2009**, 191, 4276-85	3.5	83
85	Exposure of Escherichia coli and Salmonella enterica serovar Typhimurium to triclosan induces a species-specific response, including drug detoxification. *Journal of Antimicrobial Chemotherapy*, **2009**, 64, 973-85	5.1	56
84	Beta-lactamase-mediated beta-lactam resistance in Campylobacter species: prevalence of Cj0299 (bla OXA-61) and evidence for a novel beta-Lactamase in C. jejuni. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 3357-64	5.9	59
83	Ciprofloxacin selects for multidrug resistance in Salmonella enterica serovar Typhimurium mediated by at least two different pathways. *Journal of Antimicrobial Chemotherapy*, **2009**, 63, 909-16	5.1	36
82	Multiple regulatory pathways associated with high-level ciprofloxacin and multidrug resistance in Salmonella enterica serovar enteritidis: involvement of RamA and other global regulators. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 1080-7	5.9	82
81	Reduced fluoroquinolone susceptibility in Salmonella enterica isolates from travelers, Finland. *Emerging Infectious Diseases*, **2009**, 15, 809-12	10.2	21
80	Periplasmic adaptor protein AcrA has a distinct role in the antibiotic resistance and virulence of Salmonella enterica serovar Typhimurium. *Journal of Antimicrobial Chemotherapy*, **2009**, 64, 965-72	5.1	32
79	Amoxicillin therapy of poultry flocks: effect upon the selection of amoxicillin-resistant commensal Campylobacter spp. *Journal of Antimicrobial Chemotherapy*, **2009**, 64, 702-11	5.1	8
78	Contribution of efflux to antibiotic resistance in Campylobacter isolated from poultry in Senegal. *Journal of Antimicrobial Chemotherapy*, **2009**, 64, 650-2	5.1	
77	Mechanisms of resistance in nontyphoidal Salmonella enterica strains exhibiting a nonclassical quinolone resistance phenotype. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 3832-6	5.9	59

76	Only for substrate antibiotics are a functional AcrAB-TolC efflux pump and RamA required to select multidrug-resistant Salmonella Typhimurium. *Journal of Antimicrobial Chemotherapy*, **2009**, 64, 654-7	5.1	21
75	Structure, function and inhibition of RND efflux pumps in Gram-negative bacteria: an update. *Current Opinion in Microbiology*, **2009**, 12, 512-9	7.9	162
74	The efflux pump inhibitor reserpine selects multidrug-resistant Streptococcus pneumoniae strains that overexpress the ABC transporters PatA and PatB. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 1677-85	5.9	79
73	Triclosan resistance in Salmonella enterica serovar Typhimurium. *Journal of Antimicrobial Chemotherapy*, **2008**, 62, 83-91	5.1	84
72	Persistence of Campylobacter species, strain types, antibiotic resistance and mechanisms of tetracycline resistance in poultry flocks treated with chlortetracycline. *Journal of Antimicrobial Chemotherapy*, **2008**, 62, 303-15	5.1	29
71	Proteomic analysis of triclosan resistance in Salmonella enterica serovar Typhimurium. *Journal of Antimicrobial Chemotherapy*, **2008**, 62, 92-7	5.1	34
70	Phenotypic and proteomic characterization of multiply antibiotic-resistant variants of Salmonella enterica serovar Typhimurium selected following exposure to disinfectants. *Applied and Environmental Microbiology*, **2008**, 74, 1508-16	4.8	81
69	RamA confers multidrug resistance in Salmonella enterica via increased expression of acrB, which is inhibited by chlorpromazine. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 3604-11	5.9	94
68	Antibacterial terpenes from the oleo-resin of Commiphora molmol (Engl.). *Phytotherapy Research*, **2008**, 22, 1356-60	6.7	57
67	Fitness and dissemination of disinfectant-selected multiple-antibiotic-resistant (MAR) strains of Salmonella enterica serovar Typhimurium in chickens. *Journal of Antimicrobial Chemotherapy*, **2008**, 61, 156-62	5.1	17
66	Bacterial efflux pump inhibitors from natural sources. *Journal of Antimicrobial Chemotherapy*, **2007**, 59, 1247-60	5.1	365
65	Commonly used farm disinfectants can select for mutant Salmonella enterica serovar Typhimurium with decreased susceptibility to biocides and antibiotics without compromising virulence. *Journal of Antimicrobial Chemotherapy*, **2007**, 60, 1273-80	5.1	59
64	Prolonged treatment of Salmonella enterica serovar Typhimurium with commercial disinfectants selects for multiple antibiotic resistance, increased efflux and reduced invasiveness. *Journal of Antimicrobial Chemotherapy*, **2007**, 60, 947-55	5.1	117
63	Selection of quinolone resistance in Streptococcus pneumoniae exposed in vitro to subinhibitory drug concentrations. *Journal of Antimicrobial Chemotherapy*, **2007**, 60, 965-72	5.1	35
62	Involvement of the putative ATP-dependent efflux proteins PatA and PatB in fluoroquinolone resistance of a multidrug-resistant mutant of Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 685-93	5.9	58
61	Ciprofloxacin-resistant Salmonella enterica serovar Typhimurium strains are difficult to select in the absence of AcrB and TolC. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 38-42	5.9	102
60	Overexpression of marA, soxS and acrB in veterinary isolates of Salmonella enterica rarely correlates with cyclohexane tolerance. *Journal of Antimicrobial Chemotherapy*, **2006**, 57, 673-9	5.1	17
59	Clinically relevant chromosomally encoded multidrug resistance efflux pumps in bacteria. *Clinical Microbiology Reviews*, **2006**, 19, 382-402	34	778

58	Effect of fluoroquinolone exposure on the proteome of Salmonella enterica serovar Typhimurium. *Journal of Antimicrobial Chemotherapy*, **2006**, 58, 1145-53	5.1	36
57	Global transcriptome analysis of the responses of a fluoroquinolone-resistant Streptococcus pneumoniae mutant and its parent to ciprofloxacin. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 269-78	5.9	45
56	Medium plays a role in determining expression of acrB, marA, and soxS in Escherichia coli. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 1071-4	5.9	21
55	The AcrAB-TolC efflux system of Salmonella enterica serovar Typhimurium plays a role in pathogenesis. *Cellular Microbiology*, **2006**, 8, 847-56	3.9	161
54	Multidrug-resistance efflux pumps - not just for resistance. *Nature Reviews Microbiology*, **2006**, 4, 629-36	22.2	1006
53	Prevalence and subtypes of ciprofloxacin-resistant Campylobacter spp. in commercial poultry flocks before, during, and after treatment with fluoroquinolones. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 690-8	5.9	83
52	Evidence for multiple-antibiotic resistance in Campylobacter jejuni not mediated by CmeB or CmeF. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 1289-93	5.9	40
51	Fluoroquinolone treatment of experimental Salmonella enterica serovar Typhimurium DT104 infections in chickens selects for both gyrA mutations and changes in efflux pump gene expression. *Journal of Antimicrobial Chemotherapy*, **2005**, 56, 297-306	5.1	14
50	Incidence and mechanism of ciprofloxacin resistance in Campylobacter spp. isolated from commercial poultry flocks in the United Kingdom before, during, and after fluoroquinolone treatment. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 699-707	5.9	77
49	Contribution of mutation at amino acid 45 of AcrR to acrB expression and ciprofloxacin resistance in clinical and veterinary Escherichia coli isolates. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 4390-2	5.9	48
48	Expression of the efflux pump genes cmeB, cmeF and the porin gene porA in multiple-antibiotic-resistant Campylobacter jejuni. *Journal of Antimicrobial Chemotherapy*, **2004**, 54, 341-7	5.1	69
47	Emergence of fluoroquinolone resistance in the native Campylobacter coli population of pigs exposed to enrofloxacin. *Journal of Antimicrobial Chemotherapy*, **2004**, 53, 872-4	5.1	39
46	Expression of acrB, acrF, acrD, marA, and soxS in Salmonella enterica serovar Typhimurium: role in multiple antibiotic resistance. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 1145-50	5.9	133
45	Effect of triclosan or a phenolic farm disinfectant on the selection of antibiotic-resistant Salmonella enterica. *Journal of Antimicrobial Chemotherapy*, **2004**, 54, 621-7	5.1	59
44	Antibiotic resistance genes, integrons and multiple antibiotic resistance in thirty-five serotypes of Salmonella enterica isolated from humans and animals in the UK. *Journal of Antimicrobial Chemotherapy*, **2004**, 53, 208-16	5.1	208
43	Antibiotics in media for isolation of Campylobacter spp. do not enhance resistance. *Journal of Antimicrobial Chemotherapy*, **2004**, 54, 961-2	5.1	2
42	Role of topoisomerase mutations and efflux in fluoroquinolone resistance of Bacteroides fragilis clinical isolates and laboratory mutants. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 1344-6	5.9	33
41	Prevalence of mutations within the quinolone resistance-determining region of gyrA, gyrB, parC, and parE and association with antibiotic resistance in quinolone-resistant Salmonella enterica. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 4012-5	5.9	179

40	Prevalence of multiple antibiotic resistance in 443 Campylobacter spp. isolated from humans and animals. *Journal of Antimicrobial Chemotherapy*, **2003**, 52, 507-10	5.1	62
39	Fluoroquinolone resistance in Campylobacter species from man and animals: detection of mutations in topoisomerase genes. *Journal of Antimicrobial Chemotherapy*, **2003**, 51, 19-26	5.1	107
38	The importance of efflux pumps in bacterial antibiotic resistance. *Journal of Antimicrobial Chemotherapy*, **2003**, 51, 9-11	5.1	449
37	Identification and molecular characterisation of CmeB, a Campylobacter jejuni multidrug efflux pump. *FEMS Microbiology Letters*, **2002**, 206, 185-9	2.9	157
36	Fluoroquinolone resistance in Salmonella serovars isolated from humans and food animals. *FEMS Microbiology Reviews*, **2002**, 26, 3-16	15.1	126
35	Detection of gyrA mutations in quinolone-resistant Salmonella enterica by denaturing high-performance liquid chromatography. *Journal of Clinical Microbiology*, **2002**, 40, 4121-5	9.7	76
34	Accumulation of 10 fluoroquinolones by wild-type or efflux mutant Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 813-20	5.9	42
33	Expression of efflux pump gene pmrA in fluoroquinolone-resistant and -susceptible clinical isolates of Streptococcus pneumoniae. *Antimicrobial Agents and Chemotherapy*, **2002**, 46, 808-12	5.9	90
32	Absence of mutations in marRAB or soxRS in acrB-overexpressing fluoroquinolone-resistant clinical and veterinary isolates of Escherichia coli. *Antimicrobial Agents and Chemotherapy*, **2001**, 45, 1550-2	5.9	96
31	Quinolone resistance in Escherichia coli. *Veterinary Research*, **2001**, 32, 275-84	3.8	78
30	Characterization of fluoroquinolone resistance among veterinary isolates of avian Escherichia coli. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 2897-9	5.9	46
29	Two efflux systems expressed simultaneously in multidrug-resistant Pseudomonas aeruginosa. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 2861-4	5.9	47
28	Accumulation of rifampicin by Mycobacterium aurum, Mycobacterium smegmatis and Mycobacterium tuberculosis. *Journal of Antimicrobial Chemotherapy*, **2000**, 45, 159-65	5.1	78
27	Evidence for an efflux pump mediating multiple antibiotic resistance in Salmonella enterica serovar Typhimurium. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 3118-21	5.9	107
26	Antimicrobial activity and accumulation of moxifloxacin in quinolone-susceptible bacteria. *Journal of Antimicrobial Chemotherapy*, **1999**, 43 Suppl B, 39-42	5.1	10
25	Quinolone accumulation by Pseudomonas aeruginosa, Staphylococcus aureus and Escherichia coli. *Journal of Antimicrobial Chemotherapy*, **1999**, 43, 61-70	5.1	60
24	Quinolone resistance and Campylobacter. *Clinical Microbiology and Infection*, **1999**, 5, 239-243	9.5	9
23	Mechanisms of fluoroquinolone resistance: an update 1994-1998. *Drugs*, **1999**, 58 Suppl 2, 11-8	12.1	202

22	Activities of new fluoroquinolones against fluoroquinolone-resistant pathogens of the lower respiratory tract. *Antimicrobial Agents and Chemotherapy*, **1998**, 42, 2956-60	5.9	85
21	Quinolone-resistant Salmonella typhi in Viet Nam: molecular basis of resistance and clinical response to treatment. *Clinical Infectious Diseases*, **1997**, 25, 1404-10	11.6	258
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1	Opening Pandora box: high level resistance to antibiotics of last resort in Gram negative bacteria from Nigeria		1