Fiona M Walsh

List of Publications by Year
in descending order

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47 papers	4,826 citations	377584 21 h-index	263392 45 g-index
53 all docs	53 docs citations	53 times ranked	7065 citing authors

#	Article	IF	Citations
1	Global protein responses of multidrug resistance plasmid-containing Escherichia coli to ampicillin, cefotaxime, imipenem and ciprofloxacin. Journal of Global Antimicrobial Resistance, 2022, 28, 90-96.	0.9	0
2	Metagenomic and HT-qPCR analysis reveal the microbiome and resistome in pig slurry under storage, composting, and anaerobic digestion. Environmental Pollution, 2022, 305, 119271.	3.7	13
3	Investigation into the effect of mannan-rich fraction supplementation on the metagenome of broiler chickens. Microbial Genomics, 2021, 7, .	1.0	2
4	Tracing Antibiotic Resistance Genes along the Irrigation Water Chain to Chive: Does Tap or Surface Water Make a Difference?. Antibiotics, 2021, 10, 1100.	1.5	3
5	The potential of using E. coli as an indicator for the surveillance of antimicrobial resistance (AMR) in the environment. Current Opinion in Microbiology, 2021, 64, 152-158.	2.3	54
6	Plant variety and soil type influence Escherichia coli O104:H4 strain C227/11Ï•cu adherence to and internalization into the roots of lettuce plants. Food Microbiology, 2020, 86, 103316.	2.1	11
7	Long-Term Persistence of blaCTX-M-15 in Soil and Lettuce after Introducing Extended-Spectrum Î²-Lactamase (ESBL)-Producing Escherichia coli via Manure or Water. Microorganisms, 2020, 8, 1646.	1.6	19
8	Antibiotic resistant and extended-spectrum Î²-lactamase producing faecal coliforms in wastewater treatment plant effluent. Environmental Pollution, 2020, 262, 114244.	3.7	23
9	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. Environment International, 2020, 140, 105733.	4.8	338
10	16S rRNA gene based bacterial community structure of wastewater treatment plant effluents. FEMS Microbiology Letters, 2019, 366, .	0.7	18
11	Transposon-Aided Capture of Antibiotic Resistance Plasmids from Complex Samples. Methods in Molecular Biology, 2019, 2016, 151-157.	0.4	0
12	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. Science Advances, 2019, 5, eaau9124.	4.7	346
13	Antibiotic resistance in grass and soil. Biochemical Society Transactions, 2019, 47, 477-486.	1.6	48
14	Antibiotic resistomes of healthy pig faecal metagenomes. Microbial Genomics, 2019, 5, .	1.0	23
15	Antibiotic-Resistance Genes in Waste Water. Trends in Microbiology, 2018, 26, 220-228.	3.5	627
16	Antibiotic Resistance Gene Detection in the Microbiome Context. Microbial Drug Resistance, 2018, 24, 542-546.	0.9	14
17	Antibiotic-resistant indicator bacteria in irrigation water: High prevalence of extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli. PLoS ONE, 2018, 13, e0207857.	1.1	45
18	Tracing back multidrug-resistant bacteria in fresh herb production: from chive to source through the irrigation water chain. FEMS Microbiology Ecology, 2018, 94, .	1.3	21

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19	A Comparison of Methods for the Extraction of Plasmids Capable of Conferring Antibiotic Resistance in a Human Pathogen From Complex Broiler Cecal Samples. Frontiers in Microbiology, 2018, 9, 1731.	1.5	24
20	Antimicrobial Resistance in Agriculture. MBio, 2016, 7, e02227-15.	1.8	298
21	Antibiotic resistance genes across a wide variety of metagenomes. FEMS Microbiology Ecology, 2016, 92, fiv168.	1.3	129
22	Proteomics as the final step in the functional metagenomics study of antimicrobial resistance. Frontiers in Microbiology, 2015, 6, 172.	1.5	20
23	Tackling antibiotic resistance: the environmental framework. Nature Reviews Microbiology, 2015, 13, 310-317.	13.6	1,612
24	Streptomycin use in apple orchards did not increase abundance of mobile resistance genes. FEMS Microbiology Letters, 2014, 350, 180-189.	0.7	23
25	Estimating the Number of Species in Microbial Diversity Studies. Annual Review of Statistics and Its Application, 2014, 1, 427-445.	4.1	68
26	Challenging the concept of bacteria subsisting on antibiotics. International Journal of Antimicrobial Agents, 2013, 41, 558-563.	1.1	13
27	A brief multi-disciplinary review on antimicrobial resistance in medicine and its linkage to the global environmental microbiota. Frontiers in Microbiology, 2013, 4, 96.	1.5	246
28	The Culturable Soil Antibiotic Resistome: A Community of Multi-Drug Resistant Bacteria. PLoS ONE, 2013, 8, e65567.	1.1	148
29	Investigating antibiotic resistance in non-clinical environments. Frontiers in Microbiology, 2013, 4, 19.	1.5	43
30	The multiple roles of antibiotics and antibiotic resistance in nature. Frontiers in Microbiology, 2013, 4, 255.	1.5	31
31	Restricted streptomycin use in apple orchards did not adversely alter the soil bacteria communities. Frontiers in Microbiology, 2013, 4, 383.	1.5	25
32	Comparison of plasmid-mediated quinolone resistance and extended-spectrum Î²-lactamases in third-generation cephalosporin-resistant Enterobacteriaceae from four Irish hospitals. Journal of Medical Microbiology, 2012, 61, 142-147.	0.7	11
33	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
34	Real-time PCR methods for quantitative monitoring of streptomycin and tetracycline resistance genes in agricultural ecosystems. Journal of Microbiological Methods, 2011, 86, 150-155.	0.7	67
35	Comparison of two DNA microarrays for detection of plasmid-mediated antimicrobial resistance and virulence factor genes in clinical isolates of Enterobacteriaceae and non-Enterobacteriaceae. International Journal of Antimicrobial Agents, 2010, 35, 593-598.	1.1	13
36	Molecular characterization of carbapenem-resistant Acinetobacter species in an Irish university hospital: predominance of Acinetobacter genomic species 3. Journal of Medical Microbiology, 2009, 58, 209-216.	0.7	48

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37	Detection and molecular characterisation of plasmidic AmpC Î²-lactamases in Klebsiella pneumoniae isolates from a tertiary-care hospital in Dublin, Ireland. Clinical Microbiology and Infection, 2008, 14, 616-618.	2.8	15
38	Best in class: a good principle for antibiotic usage to limit resistance development?. Journal of Antimicrobial Chemotherapy, 2007, 59, 825-826.	1.3	28
39	Detection of blaVIM-2 carbapenemase in Pseudomonas aeruginosa in Ireland. Journal of Antimicrobial Chemotherapy, 2007, 61, 219-220.	1.3	5
40	Preferential Selection of IMP and VIM Metallo-Î²-Lactamases by Imipenem in <i>Pseudomonas aeruginosa</i>. Chemotherapy, 2007, 53, 407-409.	0.8	5
41	Doripenem: A new carbapenem antibiotic a review of comparative antimicrobial and bactericidal activities. Therapeutics and Clinical Risk Management, 2007, 3, 789-94.	0.9	19
42	First report of OXA-23 carbapenemase in clinical isolates of Acinetobacter species in the Irish Republic. Journal of Antimicrobial Chemotherapy, 2006, 58, 1101-1102.	1.3	20
43	Epidemiological analysis of carbapenem-sensitive and -resistant Pseudomonas aeruginosa. Journal of Hospital Infection, 2005, 60, 240-244.	1.4	5
44	Comparative in vitro activity of telithromycin against macrolide-resistant and -susceptible Streptococcus pneumoniae, Moraxella catarrhalis and Haemophilus influenzae. Journal of Antimicrobial Chemotherapy, 2004, 53, 793-796.	1.3	20
45	Microbiology and drug resistance mechanisms of fully resistant pathogens. Current Opinion in Microbiology, 2004, 7, 439-444.	2.3	120
46	The in vitro effects of faropenem on lower respiratory tract pathogens isolated in the United Kingdom. International Journal of Antimicrobial Agents, 2003, 21, 581-584.	1.1	5
47	High-level telithromycin resistance in laboratory-generated mutants of Streptococcus pneumoniae. Journal of Antimicrobial Chemotherapy, 2003, 52, 345-353.	1.3	34