Fiona M Walsh

List of Publications by Year
in descending order

47 papers	4,826 citations	331670 21 h-index	233421 45 g-index
53 all docs	53 docs citations	53 times ranked	6409 citing authors

#	Article	IF	Citations
1	Tackling antibiotic resistance: the environmental framework. Nature Reviews Microbiology, 2015, 13, 310-317.	28.6	1,612
2	Antibiotic-Resistance Genes in Waste Water. Trends in Microbiology, 2018, 26, 220-228.	7.7	627
3	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. Science Advances, 2019, 5, eaau9124.	10.3	346
4	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. Environment International, 2020, 140, 105733.	10.0	338
5	Antimicrobial Resistance in Agriculture. MBio, 2016, 7, e02227-15.	4.1	298
6	A brief multi-disciplinary review on antimicrobial resistance in medicine and its linkage to the global environmental microbiota. Frontiers in Microbiology, 2013, 4, 96.	3.5	246
7	The Culturable Soil Antibiotic Resistome: A Community of Multi-Drug Resistant Bacteria. PLoS ONE, 2013, 8, e65567.	2.5	148
8	Antibiotic resistance genes across a wide variety of metagenomes. FEMS Microbiology Ecology, 2016, 92, fiv168.	2.7	129
9	Influence of Soil Use on Prevalence of Tetracycline, Streptomycin, and Erythromycin Resistance and Associated Resistance Genes. Antimicrobial Agents and Chemotherapy, 2012, 56, 1434-1443.	3.2	124
10	Microbiology and drug resistance mechanisms of fully resistant pathogens. Current Opinion in Microbiology, 2004, 7, 439-444.	5.1	120
11	Estimating the Number of Species in Microbial Diversity Studies. Annual Review of Statistics and Its Application, 2014, 1, 427-445.	7.0	68
12	Real-time PCR methods for quantitative monitoring of streptomycin and tetracycline resistance genes in agricultural ecosystems. Journal of Microbiological Methods, 2011, 86, 150-155.	1.6	67
13	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.	5.1	54
14	Antibiotic resistance in grass and soil. Biochemical Society Transactions, 2019, 47, 477-486.	3.4	48
15	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.	1.8	48
16	Antibiotic-resistant indicator bacteria in irrigation water: High prevalence of extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli. PLoS ONE, 2018, 13, e0207857.	2.5	45
17	Investigating antibiotic resistance in non-clinical environments. Frontiers in Microbiology, 2013, 4, 19.	3.5	43
18	High-level telithromycin resistance in laboratory-generated mutants of Streptococcus pneumoniae. Journal of Antimicrobial Chemotherapy, 2003, 52, 345-353.	3.0	34

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19	The multiple roles of antibiotics and antibiotic resistance in nature. Frontiers in Microbiology, 2013, 4, 255.	3.5	31
20	Best in class: a good principle for antibiotic usage to limit resistance development?. Journal of Antimicrobial Chemotherapy, 2007, 59, 825-826.	3.0	28
21	Restricted streptomycin use in apple orchards did not adversely alter the soil bacteria communities. Frontiers in Microbiology, 2013, 4, 383.	3.5	25
22	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.	3.5	24
23	Streptomycin use in apple orchards did not increase abundance of mobile resistance genes. FEMS Microbiology Letters, 2014, 350, 180-189.	1.8	23
24	Antibiotic resistant and extended-spectrum Î²-lactamase producing faecal coliforms in wastewater treatment plant effluent. Environmental Pollution, 2020, 262, 114244.	7.5	23
25	Antibiotic resistomes of healthy pig faecal metagenomes. Microbial Genomics, 2019, 5, .	2.0	23
26	Tracing back multidrug-resistant bacteria in fresh herb production: from chive to source through the irrigation water chain. FEMS Microbiology Ecology, 2018, 94, .	2.7	21
27	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.	3.0	20
28	First report of OXA-23 carbapenemase in clinical isolates of Acinetobacter species in the Irish Republic. Journal of Antimicrobial Chemotherapy, 2006, 58, 1101-1102.	3.0	20
29	Proteomics as the final step in the functional metagenomics study of antimicrobial resistance. Frontiers in Microbiology, 2015, 6, 172.	3.5	20
30	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.	3.6	19
31	Doripenem: A new carbapenem antibiotic a review of comparative antimicrobial and bactericidal activities. Therapeutics and Clinical Risk Management, 2007, 3, 789-94.	2.0	19
32	16S rRNA gene based bacterial community structure of wastewater treatment plant effluents. FEMS Microbiology Letters, 2019, 366, .	1.8	18
33	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.	6.0	15
34	Antibiotic Resistance Gene Detection in the Microbiome Context. Microbial Drug Resistance, 2018, 24, 542-546.	2.0	14
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.	2.5	13
36	Challenging the concept of bacteria subsisting on antibiotics. International Journal of Antimicrobial Agents, 2013, 41, 558-563.	2.5	13

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37	Metagenomic and HT-qPCR analysis reveal the microbiome and resistome in pig slurry under storage, composting, and anaerobic digestion. Environmental Pollution, 2022, 305, 119271.	7.5	13
38	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.	1.8	11
39	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.	4.2	11
40	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.	2.5	5
41	Epidemiological analysis of carbapenem-sensitive and -resistant Pseudomonas aeruginosa. Journal of Hospital Infection, 2005, 60, 240-244.	2.9	5
42	Detection of blaVIM-2 carbapenemase in Pseudomonas aeruginosa in Ireland. Journal of Antimicrobial Chemotherapy, 2007, 61, 219-220.	3.0	5
43	Preferential Selection of IMP and VIM Metallo-Î²-Lactamases by Imipenem in <i>Pseudomonas aeruginosa</i>. Chemotherapy, 2007, 53, 407-409.	1.6	5
44	Tracing Antibiotic Resistance Genes along the Irrigation Water Chain to Chive: Does Tap or Surface Water Make a Difference?. Antibiotics, 2021, 10, 1100.	3.7	3
45	Investigation into the effect of mannan-rich fraction supplementation on the metagenome of broiler chickens. Microbial Genomics, 2021, 7, .	2.0	2
46	Transposon-Aided Capture of Antibiotic Resistance Plasmids from Complex Samples. Methods in Molecular Biology, 2019, 2016, 151-157.	0.9	0
47	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.	2.2	0