

Fiona M Walsh

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

4,826
citations

331259

21
h-index

233125

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. <i>Nature Reviews Microbiology</i> , 2015, 13, 310-317.	13.6	1,612
2	Antibiotic-Resistance Genes in Waste Water. <i>Trends in Microbiology</i> , 2018, 26, 220-228.	3.5	627
3	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. <i>Science Advances</i> , 2019, 5, eaau9124.	4.7	346
4	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. <i>Environment International</i> , 2020, 140, 105733.	4.8	338
5	Antimicrobial Resistance in Agriculture. <i>MBio</i> , 2016, 7, e02227-15.	1.8	298
6	A brief multi-disciplinary review on antimicrobial resistance in medicine and its linkage to the global environmental microbiota. <i>Frontiers in Microbiology</i> , 2013, 4, 96.	1.5	246
7	The Culturable Soil Antibiotic Resistome: A Community of Multi-Drug Resistant Bacteria. <i>PLoS ONE</i> , 2013, 8, e65567.	1.1	148
8	Antibiotic resistance genes across a wide variety of metagenomes. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv168.	1.3	129
9	Influence of Soil Use on Prevalence of Tetracycline, Streptomycin, and Erythromycin Resistance and Associated Resistance Genes. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1434-1443.	1.4	124
10	Microbiology and drug resistance mechanisms of fully resistant pathogens. <i>Current Opinion in Microbiology</i> , 2004, 7, 439-444.	2.3	120
11	Estimating the Number of Species in Microbial Diversity Studies. <i>Annual Review of Statistics and Its Application</i> , 2014, 1, 427-445.	4.1	68
12	Real-time PCR methods for quantitative monitoring of streptomycin and tetracycline resistance genes in agricultural ecosystems. <i>Journal of Microbiological Methods</i> , 2011, 86, 150-155.	0.7	67
13	The potential of using <i>E. coli</i> as an indicator for the surveillance of antimicrobial resistance (AMR) in the environment. <i>Current Opinion in Microbiology</i> , 2021, 64, 152-158.	2.3	54
14	Antibiotic resistance in grass and soil. <i>Biochemical Society Transactions</i> , 2019, 47, 477-486.	1.6	48
15	Molecular characterization of carbapenem-resistant <i>Acinetobacter</i> species in an Irish university hospital: predominance of <i>Acinetobacter</i> genomic species 3. <i>Journal of Medical Microbiology</i> , 2009, 58, 209-216.	0.7	48
16	Antibiotic-resistant indicator bacteria in irrigation water: High prevalence of extended-spectrum beta-lactamase (ESBL)-producing <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2018, 13, e0207857.	1.1	45
17	Investigating antibiotic resistance in non-clinical environments. <i>Frontiers in Microbiology</i> , 2013, 4, 19.	1.5	43
18	High-level telithromycin resistance in laboratory-generated mutants of <i>Streptococcus pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 52, 345-353.	1.3	34

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19	The multiple roles of antibiotics and antibiotic resistance in nature. <i>Frontiers in Microbiology</i> , 2013, 4, 255.	1.5	31
20	Best in class: a good principle for antibiotic usage to limit resistance development?. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 825-826.	1.3	28
21	Restricted streptomycin use in apple orchards did not adversely alter the soil bacteria communities. <i>Frontiers in Microbiology</i> , 2013, 4, 383.	1.5	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. <i>Frontiers in Microbiology</i> , 2018, 9, 1731.	1.5	24
23	Streptomycin use in apple orchards did not increase abundance of mobile resistance genes. <i>FEMS Microbiology Letters</i> , 2014, 350, 180-189.	0.7	23
24	Antibiotic resistant and extended-spectrum β -lactamase producing faecal coliforms in wastewater treatment plant effluent. <i>Environmental Pollution</i> , 2020, 262, 114244.	3.7	23
25	Antibiotic resistomes of healthy pig faecal metagenomes. <i>Microbial Genomics</i> , 2019, 5, .	1.0	23
26	Tracing back multidrug-resistant bacteria in fresh herb production: from chive to source through the irrigation water chain. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	21
27	Comparative in vitro activity of telithromycin against macrolide-resistant and -susceptible <i>Streptococcus pneumoniae</i> , <i>Moraxella catarrhalis</i> and <i>Haemophilus influenzae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 53, 793-796.	1.3	20
28	First report of OXA-23 carbapenemase in clinical isolates of <i>Acinetobacter</i> species in the Irish Republic. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 1101-1102.	1.3	20
29	Proteomics as the final step in the functional metagenomics study of antimicrobial resistance. <i>Frontiers in Microbiology</i> , 2015, 6, 172.	1.5	20
30	Long-Term Persistence of bla _{CTX-M-15} in Soil and Lettuce after Introducing Extended-Spectrum β -Lactamase (ESBL)-Producing <i>Escherichia coli</i> via Manure or Water. <i>Microorganisms</i> , 2020, 8, 1646.	1.6	19
31	Doripenem: A new carbapenem antibiotic a review of comparative antimicrobial and bactericidal activities. <i>Therapeutics and Clinical Risk Management</i> , 2007, 3, 789-94.	0.9	19
32	16S rRNA gene based bacterial community structure of wastewater treatment plant effluents. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	18
33	Detection and molecular characterisation of plasmidic AmpC β -lactamases in <i>Klebsiella pneumoniae</i> isolates from a tertiary-care hospital in Dublin, Ireland. <i>Clinical Microbiology and Infection</i> , 2008, 14, 616-618.	2.8	15
34	Antibiotic Resistance Gene Detection in the Microbiome Context. <i>Microbial Drug Resistance</i> , 2018, 24, 542-546.	0.9	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. <i>International Journal of Antimicrobial Agents</i> , 2010, 35, 593-598.	1.1	13
36	Challenging the concept of bacteria subsisting on antibiotics. <i>International Journal of Antimicrobial Agents</i> , 2013, 41, 558-563.	1.1	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. <i>Environmental Pollution</i> , 2022, 305, 119271.	3.7	13
38	Comparison of plasmid-mediated quinolone resistance and extended-spectrum β -lactamases in third-generation cephalosporin-resistant Enterobacteriaceae from four Irish hospitals. <i>Journal of Medical Microbiology</i> , 2012, 61, 142-147.	0.7	11
39	Plant variety and soil type influence <i>Escherichia coli</i> O104:H4 strain C227/11 β cu adherence to and internalization into the roots of lettuce plants. <i>Food Microbiology</i> , 2020, 86, 103316.	2.1	11
40	The in vitro effects of faropenem on lower respiratory tract pathogens isolated in the United Kingdom. <i>International Journal of Antimicrobial Agents</i> , 2003, 21, 581-584.	1.1	5
41	Epidemiological analysis of carbapenem-sensitive and -resistant <i>Pseudomonas aeruginosa</i> . <i>Journal of Hospital Infection</i> , 2005, 60, 240-244.	1.4	5
42	Detection of blaVIM-2 carbapenemase in <i>Pseudomonas aeruginosa</i> in Ireland. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 61, 219-220.	1.3	5
43	Preferential Selection of IMP and VIM Metallo- β -Lactamases by Imipenem in <i>Pseudomonas aeruginosa</i> . <i>Chemotherapy</i> , 2007, 53, 407-409.	0.8	5
44	Tracing Antibiotic Resistance Genes along the Irrigation Water Chain to Chive: Does Tap or Surface Water Make a Difference?. <i>Antibiotics</i> , 2021, 10, 1100.	1.5	3
45	Investigation into the effect of mannan-rich fraction supplementation on the metagenome of broiler chickens. <i>Microbial Genomics</i> , 2021, 7, .	1.0	2
46	Transposon-Aided Capture of Antibiotic Resistance Plasmids from Complex Samples. <i>Methods in Molecular Biology</i> , 2019, 2016, 151-157.	0.4	0
47	Global protein responses of multidrug resistance plasmid-containing <i>Escherichia coli</i> to ampicillin, cefotaxime, imipenem and ciprofloxacin. <i>Journal of Global Antimicrobial Resistance</i> , 2022, 28, 90-96.	0.9	0