

Fiona M Walsh

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

3,065
citations

19
h-index

53
g-index

53
ext. papers

4,054
ext. citations

6.4
avg, IF

5.49
L-index

#	Paper	IF	Citations
46	Tackling antibiotic resistance: the environmental framework. <i>Nature Reviews Microbiology</i> , 2015 , 13, 310-7	22.2	1092
45	Antibiotic-Resistance Genes in Waste Water. <i>Trends in Microbiology</i> , 2018 , 26, 220-228	12.4	354
44	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	5.7	189
43	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. <i>Science Advances</i> , 2019 , 5, eaau9124	14.3	184
42	Antimicrobial Resistance in Agriculture. <i>MBio</i> , 2016 , 7, e02227-15	7.8	173
41	Antibiotic residues in final effluents of European wastewater treatment plants and their impact on the aquatic environment. <i>Environment International</i> , 2020 , 140, 105733	12.9	124
40	Influence of soil use on prevalence of tetracycline, streptomycin, and erythromycin resistance and associated resistance genes. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 1434-43	5.9	106
39	The culturable soil antibiotic resistome: a community of multi-drug resistant bacteria. <i>PLoS ONE</i> , 2013 , 8, e65567	3.7	104
38	Microbiology and drug resistance mechanisms of fully resistant pathogens. <i>Current Opinion in Microbiology</i> , 2004 , 7, 439-44	7.9	104
37	Antibiotic resistance genes across a wide variety of metagenomes. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	89
36	Real-time PCR methods for quantitative monitoring of streptomycin and tetracycline resistance genes in agricultural ecosystems. <i>Journal of Microbiological Methods</i> , 2011 , 86, 150-5	2.8	51
35	Estimating the Number of Species in Microbial Diversity Studies. <i>Annual Review of Statistics and Its Application</i> , 2014 , 1, 427-445	7.6	45
34	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	3.2	45
33	Investigating antibiotic resistance in non-clinical environments. <i>Frontiers in Microbiology</i> , 2013 , 4, 19	5.7	35
32	High-level telithromycin resistance in laboratory-generated mutants of <i>Streptococcus pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2003 , 52, 345-53	5.1	30
31	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	3.7	30
30	Antibiotic resistance in grass and soil. <i>Biochemical Society Transactions</i> , 2019 , 47, 477-486	5.1	24

29	Restricted streptomycin use in apple orchards did not adversely alter the soil bacteria communities. <i>Frontiers in Microbiology</i> , 2013 , 4, 383	5.7	22
28	The multiple roles of antibiotics and antibiotic resistance in nature. <i>Frontiers in Microbiology</i> , 2013 , 4, 255	5.7	22
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, 793-6	5.1	18
26	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, 1101-2	5.1	17
25	Streptomycin use in apple orchards did not increase abundance of mobile resistance genes. <i>FEMS Microbiology Letters</i> , 2014 , 350, 180-9	2.9	16
24	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	5.7	15
23	Doripenem: A new carbapenem antibiotic a review of comparative antimicrobial and bactericidal activities. <i>Therapeutics and Clinical Risk Management</i> , 2007 , 3, 789-94	2.9	15
22	Proteomics as the final step in the functional metagenomics study of antimicrobial resistance. <i>Frontiers in Microbiology</i> , 2015 , 6, 172	5.7	14
21	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,	4.3	14
20	Antibiotic resistant and extended-spectrum β -lactamase producing faecal coliforms in wastewater treatment plant effluent. <i>Environmental Pollution</i> , 2020 , 262, 114244	9.3	13
19	Challenging the concept of bacteria subsisting on antibiotics. <i>International Journal of Antimicrobial Agents</i> , 2013 , 41, 558-63	14.3	12
18	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, 593-8	14.3	12
17	Detection and molecular characterisation of plasmidic AmpC beta-lactamases in <i>Klebsiella pneumoniae</i> isolates from a tertiary-care hospital in Dublin, Ireland. <i>Clinical Microbiology and Infection</i> , 2008 , 14, 616-8	9.5	12
16	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	3.2	11
15	Best in class: a good principle for antibiotic usage to limit resistance development?. <i>Journal of Antimicrobial Chemotherapy</i> , 2007 , 59, 825-6	5.1	11
14	Antibiotic Resistance Gene Detection in the Microbiome Context. <i>Microbial Drug Resistance</i> , 2018 , 24, 542-546	2.9	11
13	Antibiotic resistomes of healthy pig faecal metagenomes. <i>Microbial Genomics</i> , 2019 , 5,	4.4	9
12	16S rRNA gene based bacterial community structure of wastewater treatment plant effluents. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	8

11	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	7.9	7
10	Long-Term Persistence of in Soil and Lettuce after Introducing Extended-Spectrum β -Lactamase (ESBL)-Producing via Manure or Water. <i>Microorganisms</i> , 2020 , 8,	4.9	6
9	Preferential selection of IMP and VIM metallo-beta-lactamases by imipenem in <i>Pseudomonas aeruginosa</i> . <i>Chemotherapy</i> , 2007 , 53, 407-9	3.2	5
8	Epidemiological analysis of carbapenem-sensitive and -resistant <i>Pseudomonas aeruginosa</i> . <i>Journal of Hospital Infection</i> , 2005 , 60, 240-4	6.9	5
7	Detection of blaVIM-2 carbapenemase in <i>Pseudomonas aeruginosa</i> in Ireland. <i>Journal of Antimicrobial Chemotherapy</i> , 2008 , 61, 219-20	5.1	4
6	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, 581-4	14.3	4
5	Plant variety and soil type influence <i>Escherichia coli</i> O104:H4 strain C227/11?cu adherence to and internalization into the roots of lettuce plants. <i>Food Microbiology</i> , 2020 , 86, 103316	6	2
4	Antibiotic Resistance and Wastewater Treatment Process 2017 , 263-291		1
3	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	9.3	0
2	Transposon-Aided Capture of Antibiotic Resistance Plasmids from Complex Samples. <i>Methods in Molecular Biology</i> , 2019 , 2016, 151-157	1.4	
1	Global protein responses of multi-drug resistant plasmid containing <i>Escherichia coli</i> to ampicillin, cefotaxime, imipenem and ciprofloxacin.. <i>Journal of Global Antimicrobial Resistance</i> , 2021 , 28, 90-90	3.4	