

# Elizabeth M H Wellington

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,990  
citations

236925

25  
h-index

214800

47  
g-index

53  
all docs

53  
docs citations

53  
times ranked

4362  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of the natural environment in the emergence of antibiotic resistance in Gram-negative bacteria. <i>Lancet Infectious Diseases</i> , The, 2013, 13, 155-165.	9.1	839
2	Impacts of anthropogenic activity on the ecology of class 1 integrons and integron-associated genes in the environment. <i>ISME Journal</i> , 2011, 5, 1253-1261.	9.8	377
3	Microbial imbalance in inflammatory bowel disease patients at different taxonomic levels. <i>Gut Pathogens</i> , 2020, 12, 1.	3.4	230
4	Validated predictive modelling of the environmental resistome. <i>ISME Journal</i> , 2015, 9, 1467-1476.	9.8	117
5	The widespread dissemination of integrons throughout bacterial communities in a riverine system. <i>ISME Journal</i> , 2018, 12, 681-691.	9.8	103
6	Comparative genomic, proteomic and exoproteomic analyses of three <i>Pseudomonas</i> strains reveals novel insights into the phosphorus scavenging capabilities of soil bacteria. <i>Environmental Microbiology</i> , 2016, 18, 3535-3549.	3.8	95
7	Molecular Detection of <i>Mycobacterium bovis</i> and <i>Mycobacterium bovis</i> BCG (Pasteur) in Soil. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1946-1952.	3.1	92
8	Mobile resistome of human gut and pathogen drives anthropogenic bloom of antibiotic resistance. <i>Microbiome</i> , 2020, 8, 2.	11.1	80
9	A longitudinal study of the role of <i>Dichelobacter nodosus</i> and <i>Fusobacterium necrophorum</i> load in initiation and severity of footrot in sheep. <i>Preventive Veterinary Medicine</i> , 2014, 115, 48-55.	1.9	76
10	Niche-adaptation in plant-associated <i>Bacteroidetes</i> favours specialisation in organic phosphorus mineralisation. <i>ISME Journal</i> , 2021, 15, 1040-1055.	9.8	74
11	The Soil Microbiota Harbors a Diversity of Carbapenem-Hydrolyzing $\beta$ -Lactamases of Potential Clinical Relevance. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 151-160.	3.2	54
12	A novel sulfonamide resistance mechanism by two-component flavin-dependent monooxygenase system in sulfonamide-degrading actinobacteria. <i>Environment International</i> , 2019, 127, 206-215.	10.0	53
13	Ovine pedomics: the first study of the ovine foot 16S rRNA-based microbiome. <i>ISME Journal</i> , 2011, 5, 1426-1437.	9.8	46
14	Long-term antibiotic exposure in soil is associated with changes in microbial community structure and prevalence of class 1 integrons. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw159.	2.7	46
15	Editorial: The Search for Biological Active Agent(s) From Actinobacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 824.	3.5	43
16	Biosynthetic potential of uncultured Antarctic soil bacteria revealed through long-read metagenomic sequencing. <i>ISME Journal</i> , 2022, 16, 101-111.	9.8	40
17	Exploring the functional soil-microbe interface and exoenzymes through soil metaexoproteomics. <i>ISME Journal</i> , 2014, 8, 2148-2150.	9.8	39
18	Microbiological and molecular insights on rare Actinobacteria harboring bioactive prospective. <i>Bulletin of the National Research Centre</i> , 2020, 44, .	1.8	38

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19	Trace levels of sewage effluent are sufficient to increase class 1 integron prevalence in freshwater biofilms without changing the core community. <i>Water Research</i> , 2016, 106, 163-170.	11.3	37
20	Designing and Implementing an Assay for the Detection of Rare and Divergent NRPS and PKS Clones in European, Antarctic and Cuban Soils. <i>PLoS ONE</i> , 2015, 10, e0138327.	2.5	36
21	The "known" genetic potential for microbial communities to degrade organic phosphorus is reduced in low-pH soils. <i>MicrobiologyOpen</i> , 2017, 6, e00474.	3.0	34
22	In Situ Monitoring of Streptothricin Production by <i>Streptomyces rochei</i> F20 in Soil and Rhizosphere. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5222-5228.	3.1	31
23	Antibiotic Resistance in the Environment, with Particular Reference to MRSA. <i>Advances in Applied Microbiology</i> , 2008, 63, 249-280.	2.4	31
24	Dynamics and impact of footrot and climate on hoof horn length in 50 ewes from one farm over a period of 10 months. <i>Veterinary Journal</i> , 2014, 201, 295-301.	1.7	30
25	Identification of extracellular glycerophosphodiesterases in <i>Pseudomonas</i> and their role in soil organic phosphorus remineralisation. <i>Scientific Reports</i> , 2017, 7, 2179.	3.3	30
26	Microbial community drivers of PK/NRP gene diversity in selected global soils. <i>Microbiome</i> , 2019, 7, 78.	11.1	30
27	Mining for Nonribosomal Peptide Synthetase and Polyketide Synthase Genes Revealed a High Level of Diversity in the Sphagnum Bog Metagenome. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5064-5072.	3.1	29
28	Investigating Bacteriophages Targeting the Opportunistic Pathogen <i>Acinetobacter baumannii</i> . <i>Antibiotics</i> , 2020, 9, 200.	3.7	26
29	First study of pathogen load and localisation of ovine footrot using fluorescence in situ hybridisation (FISH). <i>Veterinary Microbiology</i> , 2015, 176, 321-327.	1.9	24
30	Structural and Biochemical Characterization of Rm3, a Subclass B3 Metallo- $\beta$ -Lactamase Identified from a Functional Metagenomic Study. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5828-5840.	3.2	22
31	Transporter characterisation reveals aminoethylphosphonate mineralisation as a key step in the marine phosphorus redox cycle. <i>Nature Communications</i> , 2021, 12, 4554.	12.8	21
32	Impact of sulfamethoxazole on a riverine microbiome. <i>Water Research</i> , 2021, 201, 117382.	11.3	19
33	Expanding the Repertoire of Carbapenem-Hydrolyzing Metallo- $\beta$ -Lactamases by Functional Metagenomic Analysis of Soil Microbiota. <i>Frontiers in Microbiology</i> , 2016, 7, 1985.	3.5	18
34	Genomic analysis reveals high virulence and antibiotic resistance amongst phage susceptible <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2020, 10, 16154.	3.3	18
35	The role of the environment in transmission of <i>Dichelobacter nodosus</i> between ewes and their lambs. <i>Veterinary Microbiology</i> , 2015, 179, 53-59.	1.9	16
36	Survival of the ovine footrot pathogen <i>Dichelobacter nodosus</i> in different soils. <i>Anaerobe</i> , 2016, 38, 81-87.	2.1	16

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37	Detection and diversity of a putative novel heterogeneous polymorphic proline-glycine repeat (Pgr) protein in the footrot pathogen <i>Dichelobacter nodosus</i> . <i>Veterinary Microbiology</i> , 2011, 147, 358-366.	1.9	13
38	Multiple locus VNTR analysis highlights that geographical clustering and distribution of <i>Dichelobacter nodosus</i> , the causal agent of footrot in sheep, correlates with inter-country movements. <i>Infection, Genetics and Evolution</i> , 2014, 22, 273-279.	2.3	11
39	Allocyclinones, hyperchlorinated angucyclinones from <i>Actinoallomurus</i> . <i>Journal of Antibiotics</i> , 2017, 70, 73-78.	2.0	11
40	Exploring how microbiome signatures change across inflammatory bowel disease conditions and disease locations. <i>Scientific Reports</i> , 2021, 11, 18699.	3.3	9
41	Mechanisms Involved in the Active Secretion of CTX-M-15 $\beta$ -Lactamase by Pathogenic <i>Escherichia coli</i> ST131. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0066321.	3.2	7
42	Stimulation of Distinct Rhizosphere Bacteria Drives Phosphorus and Nitrogen Mineralization in Oilseed Rape under Field Conditions. <i>MSystems</i> , 2022, 7, .	3.8	7
43	Screening for Genes Coding for Putative Antitumor Compounds, Antimicrobial and Enzymatic Activities from Haloalkalitolerant and Haloalkaliphilic Bacteria Strains of Algerian Sahara Soils. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	5
44	Evaluation of a Fecal Shedding Test To Detect Badger Social Groups Infected with <i>Mycobacterium bovis</i> . <i>Journal of Clinical Microbiology</i> , 2020, 59, .	3.9	4
45	2-Aminoethylphosphonate utilization in <i>Pseudomonas putida</i> BIRD is controlled by multiple master regulators. <i>Environmental Microbiology</i> , 2022, 24, 1902-1917.	3.8	4
46	Bioprospecting Soil Metagenomes for Antibiotics. <i>Topics in Biodiversity and Conservation</i> , 2017, , 113-136.	1.0	2
47	Manipulating the Microbiome: An Alternative Treatment for Bile Acid Diarrhoea. <i>Microbiology Research</i> , 2021, 12, 335-353.	1.9	1