

Fiona P Brennan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3807998/publications.pdf>

Version: 2024-02-01

40
papers

1,390
citations

471061

17
h-index

344852

36
g-index

43
all docs

43
docs citations

43
times ranked

2050
citing authors

#	ARTICLE	IF	CITATIONS
1	Recently identified microbial guild mediates soil N ₂ O sink capacity. <i>Nature Climate Change</i> , 2014, 4, 801-805.	8.1	364
2	Microbial Contamination of Fresh Produce: What, Where, and How?. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 1727-1750.	5.9	143
3	Long-Term Persistence and Leaching of <i>Escherichia coli</i> in Temperate Maritime Soils. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1449-1455.	1.4	97
4	Easy phylotyping of <i>Escherichia coli</i> via the EzClermont web app and command-line tool. <i>Access Microbiology</i> , 2020, 2, acmi000143.	0.2	68
5	Characterization of Environmentally Persistent <i>Escherichia coli</i> Isolates Leached from an Irish Soil. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2175-2180.	1.4	61
6	Antibiotic resistance in grass and soil. <i>Biochemical Society Transactions</i> , 2019, 47, 477-486.	1.6	48
7	Implications of the proposed Soil Framework Directive on agricultural systems in Atlantic Europe – a review. <i>Soil Use and Management</i> , 2010, 26, 198-211.	2.6	45
8	Clay mineral type effect on bacterial enteropathogen survival in soil. <i>Science of the Total Environment</i> , 2014, 468-469, 302-305.	3.9	45
9	A robust, cost-effective method for DNA, RNA and protein co-extraction from soil, other complex microbiomes and pure cultures. <i>Molecular Ecology Resources</i> , 2019, 19, 439-455.	2.2	43
10	Enteropathogen survival in soil from different land-uses is predominantly regulated by microbial community composition. <i>Applied Soil Ecology</i> , 2015, 89, 76-84.	2.1	39
11	Soil bacterial community structure and functional responses across a long-term mineral phosphorus (Pi) fertilisation gradient differ in grazed and cut grasslands. <i>Applied Soil Ecology</i> , 2019, 138, 134-143.	2.1	38
12	The nitrification inhibitor dicyandiamide increases mineralization-immobilization turnover in slurry-amended grassland soil. <i>Journal of Agricultural Science</i> , 2014, 152, 137-149.	0.6	33
13	Increasing soil pH reduces fertiliser derived N ₂ O emissions in intensively managed temperate grassland. <i>Agriculture, Ecosystems and Environment</i> , 2021, 311, 107319.	2.5	31
14	Permeable reactive interceptors: blocking diffuse nutrient and greenhouse gases losses in key areas of the farming landscape. <i>Journal of Agricultural Science</i> , 2014, 152, 71-81.	0.6	29
15	Insights into the low-temperature adaptation and nutritional flexibility of a soil-persistent <i>Escherichia coli</i> . <i>FEMS Microbiology Ecology</i> , 2013, 84, 75-85.	1.3	27
16	Influence of Plant Species, Tissue Type, and Temperature on the Capacity of Shiga-Toxigenic <i>Escherichia coli</i> To Colonize, Grow, and Be Internalized by Plants. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	23
17	Community-Driven Metadata Standards for Agricultural Microbiome Research. <i>Phytobiomes Journal</i> , 2020, 4, 115-121.	1.4	21
18	The General Stress Response Is Conserved in Long-Term Soil-Persistent Strains of <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 4628-4640.	1.4	19

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19	Holistic Evaluation of Field-Scale Denitrifying Bioreactors as a Basis to Improve Environmental Sustainability. <i>Journal of Environmental Quality</i> , 2016, 45, 788-795.	1.0	18
20	The effect of carbon availability on N ₂ O emissions is moderated by soil phosphorus. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107726.	4.2	18
21	Biotic and abiotic predictors of potential N ₂ O emissions from denitrification in Irish grasslands soils: A national-scale field study. <i>Soil Biology and Biochemistry</i> , 2022, 168, 108637.	4.2	18
22	Assessing the long-term impact of urease and nitrification inhibitor use on microbial community composition, diversity and function in grassland soil. <i>Soil Biology and Biochemistry</i> , 2022, 170, 108709.	4.2	17
23	Water Content and Soil Type Effects on Accelerated Leaching after Slurry Application. <i>Vadose Zone Journal</i> , 2012, 11, .	1.3	15
24	Toward Assessing Farm-Based Anaerobic Digestate Public Health Risks: Comparative Investigation With Slurry, Effect of Pasteurization Treatments, and Use of Miniature Bioreactors as Proxies for Pathogen Spiking Trials. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	14
25	IMPACT OF SOIL TYPE, BIOLOGY AND TEMPERATURE ON THE SURVIVAL OF NON-TOXIGENIC ESCHERICHIA COLI O157. <i>Biology and Environment</i> , 2013, 113B, 41-46.	0.2	14
26	Impact of Soil Type, Biology and Temperature on the Survival of Non-Toxigenic <i>Escherichia</i> Coli O157. <i>Biology and Environment</i> , 2013, 113, 1-6.	0.2	11
27	riboSeed: leveraging prokaryotic genomic architecture to assemble across ribosomal regions. <i>Nucleic Acids Research</i> , 2018, 46, e68-e68.	6.5	10
28	Effect of contrasting phosphorus levels on nitrous oxide and carbon dioxide emissions from temperate grassland soils. <i>Scientific Reports</i> , 2022, 12, 2602.	1.6	10
29	Evaluating <i>E. coli</i> Transport Risk in Soil using Dye and Bromide Tracers. <i>Soil Science Society of America Journal</i> , 2012, 76, 663-673.	1.2	9
30	Roles for RpoS in survival of <i>Escherichia coli</i> during protozoan predation and in reduced moisture conditions highlight its importance in soil environments. <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	8
31	Harnessing agricultural microbiomes for human pathogen control. <i>ISME Communications</i> , 2022, 2, .	1.7	8
32	Does soil biology hold the key to optimized slurry management? A manifesto for research. <i>Soil Use and Management</i> , 2011, 27, 464-469.	2.6	7
33	Impacts of pasture species and ruminant urine on N ₂ O emissions and nitrogen transforming microbial communities in soil mesocosms. <i>New Zealand Journal of Agricultural Research</i> , 2022, 65, 42-62.	0.9	6
34	Variability in growth responses of non-O157 EHEC isolates in leafy vegetables, sprouted seeds and soil extracts occurs at the isolate level. <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	6
35	Survival of <i>Escherichia coli</i> and <i>Listeria innocua</i> on Lettuce after Irrigation with Contaminated Water in a Temperate Climate. <i>Foods</i> , 2021, 10, 2072.	1.9	6
36	Comparison of two image analysis software for root trait analysis of single and mixed species grasslands. <i>The Plant Phenome Journal</i> , 2022, 5, .	1.0	5

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37	Absence of Curli in Soil-Persistent <i>Escherichia coli</i> Is Mediated by a C-di-GMP Signaling Defect and Suggests Evidence of Biofilm-Independent Niche Specialization. <i>Frontiers in Microbiology</i> , 2018, 9, 1340.	1.5	4
38	An Assessment of Climate Induced Increase in Soil Water Availability for Soil Bacterial Communities Exposed to Long-Term Differential Phosphorus Fertilization. <i>Frontiers in Microbiology</i> , 2020, 11, 682.	1.5	3
39	Linking long-term soil phosphorus management to microbial communities involved in nitrogen reactions. <i>Biology and Fertility of Soils</i> , 2022, 58, 389-402.	2.3	3
40	The Living Soil: Biodiversity and Functions. <i>World Soils Book Series</i> , 2018, , 257-265.	0.1	0