

Vincent O'Flaherty

List of Publications by Year in descending order

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135
papers

6,121
citations

47006

47
h-index

88630

70
g-index

138
all docs

138
docs citations

138
times ranked

6183
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of pH on growth kinetics and sulphide toxicity thresholds of a range of methanogenic, syntrophic and sulphate-reducing bacteria. <i>Process Biochemistry</i> , 1998, 33, 555-569.	3.7	253
2	Bioremediation of olive mill wastewater. <i>International Biodeterioration and Biodegradation</i> , 2008, 61, 127-134.	3.9	190
3	Methanogenic population structure in a variety of anaerobic bioreactors. <i>FEMS Microbiology Letters</i> , 2003, 219, 297-304.	1.8	158
4	DNA extraction method affects microbial community profiles from soils and sediment. <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 955-964.	3.6	152
5	Quantitative analysis of methanogenic community dynamics in three anaerobic batch digesters treating different wastewaters. <i>Water Research</i> , 2009, 43, 157-165.	11.3	141
6	Denitrification potential in subsoils: A mechanism to reduce nitrate leaching to groundwater. <i>Agriculture, Ecosystems and Environment</i> , 2012, 147, 13-23.	5.3	139
7	Reproducible, high-yielding, biological caproate production from food waste using a single-phase anaerobic reactor system. <i>Biotechnology for Biofuels</i> , 2018, 11, 108.	6.2	126
8	Microbial community structure and methanogenic activity during start-up of psychrophilic anaerobic digesters treating synthetic industrial wastewaters. <i>FEMS Microbiology Ecology</i> , 2003, 46, 159-170.	2.7	107
9	Low-temperature anaerobic digestion for wastewater treatment. <i>Current Opinion in Biotechnology</i> , 2012, 23, 444-451.	6.6	106
10	Development of microbial community structure and activity in a high-rate anaerobic bioreactor at 18°C. <i>Water Research</i> , 2006, 40, 1009-1017.	11.3	101
11	LONG-TERM COMPETITION BETWEEN SULPHATE-REDUCING AND METHANE-PRODUCING BACTERIA DURING FULL-SCALE ANAEROBIC TREATMENT OF CITRIC ACID PRODUCTION WASTEWATER. <i>Water Research</i> , 1998, 32, 815-825.	11.3	100
12	Psychrophilic and mesophilic anaerobic digestion of brewery effluent: A comparative study. <i>Water Research</i> , 2006, 40, 2503-2510.	11.3	99
13	Microbial analysis of anodic biofilm in a microbial fuel cell using slaughterhouse wastewater. <i>Bioelectrochemistry</i> , 2012, 87, 164-171.	4.6	99
14	Anaerobic Granular Sludge Bioreactor Technology. <i>Reviews in Environmental Science and Biotechnology</i> , 2003, 2, 225-245.	8.1	97
15	Long-Term Persistence and Leaching of <i>Escherichia coli</i> in Temperate Maritime Soils. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1449-1455.	3.1	97
16	Psychrophilic methanogenic community development during long-term cultivation of anaerobic granular biofilms. <i>ISME Journal</i> , 2009, 3, 1231-1242.	9.8	96
17	Long-term, high-rate anaerobic biological treatment of whey wastewaters at psychrophilic temperatures. <i>Bioresource Technology</i> , 2006, 97, 1669-1678.	9.6	92
18	Combined Stochastic and Deterministic Processes Drive Community Assembly of Anaerobic Microbiomes During Granule Flotation. <i>Frontiers in Microbiology</i> , 2021, 12, 666584.	3.5	91

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19	Long-term effects of operating temperature and sulphate addition on the methanogenic community structure of anaerobic hybrid reactors. <i>Water Research</i> , 2004, 38, 619-630.	11.3	88
20	Quantitative and qualitative analyses of methanogenic community development in high-rate anaerobic bioreactors. <i>Water Research</i> , 2011, 45, 1298-1308.	11.3	87
21	Concentration of Norovirus during Wastewater Treatment and Its Impact on Oyster Contamination. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3400-3406.	3.1	86
22	The Microbiology and Biochemistry of Anaerobic Bioreactors with Relevance to Domestic Sewage Treatment. <i>Reviews in Environmental Science and Biotechnology</i> , 2006, 5, 39-55.	8.1	75
23	Long-term (1243 days), low-temperature (4â€“15Â°C), anaerobic biotreatment of acidified wastewaters: Bioprocess performance and physiological characteristics. <i>Water Research</i> , 2009, 43, 1611-1620.	11.3	74
24	Quantitative and qualitative analysis of methanogenic communities in mesophilically and psychrophilically cultivated anaerobic granular biofilms. <i>Water Research</i> , 2009, 43, 3365-3374.	11.3	74
25	Low-temperature anaerobic biological treatment of solvent-containing pharmaceutical wastewater. <i>Water Research</i> , 2005, 39, 4587-4596.	11.3	73
26	A metaproteomic approach gives functional insights into anaerobic digestion. <i>Journal of Applied Microbiology</i> , 2011, 110, 1550-1560.	3.1	72
27	Anaerobic biological treatment of phenolic wastewater at 15â€“18Â°C. <i>Water Research</i> , 2005, 39, 1614-1620.	11.3	70
28	Distribution of extracellular polysaccharides and flotation of anaerobic sludge. <i>Applied Microbiology and Biotechnology</i> , 1996, 46, 197-201.	3.6	68
29	Medium chain length polyhydroxyalkanoate (mcl-PHA) production from volatile fatty acids derived from the anaerobic digestion of grass. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 611-620.	3.6	68
30	Development of a pathogen transport model for Irish catchments using SWAT. <i>Agricultural Water Management</i> , 2010, 97, 101-111.	5.6	67
31	Anaerobic digestion of agricultural manure and biomass â€“ Critical indicators of risk and knowledge gaps. <i>Science of the Total Environment</i> , 2019, 690, 460-479.	8.0	67
32	Anaerobic treatment of 2,4,6-trichlorophenol in an expanded granular sludge bed-anaerobic filter (EGSB-AF) bioreactor at 15 Â°C. <i>FEMS Microbiology Ecology</i> , 2005, 53, 167-178.	2.7	65
33	Charge Transport through <i>Geobacter sulfurreducens</i> Biofilms Grown on Graphite Rods. <i>Langmuir</i> , 2012, 28, 7904-7913.	3.5	62
34	Anaerobic biological treatment of phenol at 9.5â€“15Â°C in an expanded granular sludge bed (EGSB)-based bioreactor. <i>Water Research</i> , 2006, 40, 3737-3744.	11.3	61
35	Characterization of Environmentally Persistent <i>Escherichia coli</i> Isolates Leached from an Irish Soil. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2175-2180.	3.1	61
36	Effect of sulphate addition on volatile fatty acid and ethanol degradation in an anaerobic hybrid reactor. II: microbial interactions and toxic effects. <i>Bioresource Technology</i> , 1999, 68, 109-120.	9.6	60

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37	Effect of sulphate addition on volatile fatty acid and ethanol degradation in an anaerobic hybrid reactor. I: process disturbance and remediation. <i>Bioresource Technology</i> , 1999, 68, 101-107.	9.6	59
38	Bioaugmentation of UASB reactors with immobilized <i>Sulfurospirillum barnesii</i> for simultaneous selenate and nitrate removal. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 377-388.	3.6	59
39	Effect of feed composition and upflow velocity on aggregate characteristics in anaerobic upflow reactors. <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 102-107.	3.6	58
40	Pervaporation separation of butyric acid from aqueous and anaerobic digestion (AD) solutions using PEBA based composite membranes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 163-170.	5.8	57
41	Reactor configuration influences microbial community structure during high-rate, low-temperature anaerobic treatment of dairy wastewater. <i>Bioresource Technology</i> , 2020, 307, 123221.	9.6	57
42	Linking Microbial Community Structure and Function During the Acidified Anaerobic Digestion of Grass. <i>Frontiers in Microbiology</i> , 2018, 9, 540.	3.5	56
43	Influence of stormflow and baseflow phosphorus pressures on stream ecology in agricultural catchments. <i>Science of the Total Environment</i> , 2017, 590-591, 469-483.	8.0	55
44	Temperature dependent (37±15°C) anaerobic digestion of a trichloroethylene-contaminated wastewater. <i>Bioresource Technology</i> , 2011, 102, 7645-7656.	9.6	52
45	Modeling of Pathogen Indicator Organisms in a Small-Scale Agricultural Catchment Using SWAT. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 232-253.	3.4	52
46	Quantitative and qualitative transitions of methanogen community structure during the batch anaerobic digestion of cheese-processing wastewater. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1963-1973.	3.6	51
47	Norovirus Genotypes Present in Oysters and in Effluent from a Wastewater Treatment Plant during the Seasonal Peak of Infections in Ireland in 2010. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2578-2587.	3.1	50
48	Full-scale and laboratory-scale anaerobic treatment of citric acid production wastewater. <i>Biodegradation</i> , 1998, 9, 233-245.	3.0	49
49	Reactor performance and microbial community dynamics during anaerobic biological treatment of wastewaters at 16±37 °C. <i>FEMS Microbiology Ecology</i> , 2004, 48, 369-378.	2.7	49
50	Transforming soil phosphorus fertility management strategies to support the delivery of multiple ecosystem services from agricultural systems. <i>Science of the Total Environment</i> , 2019, 649, 90-98.	8.0	48
51	Polyhydroxyalkanoate bio-production and its rise as biomaterial of the future. <i>Journal of Biotechnology</i> , 2022, 348, 10-25.	3.8	48
52	Effect of seed sludge and operation conditions on performance and archaeal community structure of low-temperature anaerobic solvent-degrading bioreactors. <i>Systematic and Applied Microbiology</i> , 2009, 32, 65-79.	2.8	47
53	Ranking hazards pertaining to human health concerns from land application of anaerobic digestate. <i>Science of the Total Environment</i> , 2020, 710, 136297.	8.0	47
54	Low-temperature (7±15°C) anaerobic treatment of a trichloroethylene-contaminated wastewater: Microbial community development. <i>Water Research</i> , 2011, 45, 4035-4046.	11.3	46

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55	Biological Phosphorus Removal During High-Rate, Low-Temperature, Anaerobic Digestion of Wastewater. <i>Frontiers in Microbiology</i> , 2016, 7, 226.	3.5	45
56	Distribution, Localization, and Phylogeny of Abundant Populations of Crenarchaeota in Anaerobic Granular Sludge. <i>Applied and Environmental Microbiology</i> , 2005, 71, 7523-7527.	3.1	44
57	Microbial Exposure Assessment of Waterborne Pathogens. <i>Human and Ecological Risk Assessment (HERA)</i> , 2007, 13, 1313-1351.	3.4	42
58	Optimisation of protein extraction and 2D-DE for metaproteomics of microbial communities from anaerobic wastewater treatment biofilms. <i>Electrophoresis</i> , 2009, 30, 4149-4151.	2.4	42
59	Microbial community structure and dynamics in anaerobic fluidized-bed and granular sludge-bed reactors: influence of operational temperature and reactor configuration. <i>Microbial Biotechnology</i> , 2012, 5, 738-752.	4.2	41
60	Norovirus and FRNA bacteriophage determined by RT-qPCR and infectious FRNA bacteriophage in wastewater and oysters. <i>Water Research</i> , 2013, 47, 5222-5231.	11.3	41
61	Microbial and microfaunal communities in phosphorus limited, grazed grassland change composition but maintain homeostatic nutrient stoichiometry. <i>Soil Biology and Biochemistry</i> , 2014, 75, 94-101.	8.8	41
62	Low-temperature anaerobic biological treatment of toluene-containing wastewater. <i>Water Research</i> , 2007, 41, 1465-1472.	11.3	40
63	Low-Temperature (10°C) Anaerobic Digestion of Dilute Dairy Wastewater in an EGSB Bioreactor: Microbial Community Structure, Population Dynamics, and Kinetics of Methanogenic Populations. <i>Archaea</i> , 2013, 2013, 1-10.	2.3	39
64	Accessing the Black Box of Microbial Diversity and Ecophysiology: Recent Advances Through Polyphasic Experiments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 897-922.	1.7	38
65	A comparison of molecular methods for monitoring soil nematodes and their use as biological indicators. <i>European Journal of Soil Biology</i> , 2010, 46, 319-324.	3.2	38
66	Role of nickel in high rate methanol degradation in anaerobic granular sludge bioreactors. <i>Biodegradation</i> , 2008, 19, 725-737.	3.0	37
67	Microbial community dynamics associated with biomass granulation in low-temperature (15°C) anaerobic wastewater treatment bioreactors. <i>Bioresource Technology</i> , 2010, 101, 6336-6344.	9.6	37
68	Granular biofilm-based anaerobic digestion: molecular biomonitoring and high-rate psychrophilic treatment of phenolic wastewater. <i>Water Science and Technology</i> , 2007, 55, 43-49.	2.5	36
69	Acidification of methanol-fed anaerobic granular sludge bioreactors by cobalt deprivation: Induction and microbial community dynamics. <i>Biotechnology and Bioengineering</i> , 2008, 99, 49-58.	3.3	36
70	Catalytic response of microbial biofilms grown under fixed anode potentials depends on electrochemical cell configuration. <i>Chemical Engineering Journal</i> , 2013, 230, 532-536.	12.7	36
71	Carbon amendment and soil depth affect the distribution and abundance of denitrifiers in agricultural soils. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7899-7910.	5.3	35
72	Generation of electricity in microbial fuel cells at sub-ambient temperatures. <i>Journal of Power Sources</i> , 2011, 196, 2676-2681.	7.8	32

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73	Electricity generation in single-chamber microbial fuel cells using a carbon source sampled from anaerobic reactors utilizing grass silage. <i>Bioresource Technology</i> , 2011, 102, 404-410.	9.6	29
74	Effect of sulfate on low-temperature anaerobic digestion. <i>Frontiers in Microbiology</i> , 2014, 5, 376.	3.5	29
75	New Training to Meet the Global Phosphorus Challenge. <i>Environmental Science & Technology</i> , 2019, 53, 8479-8481.	10.0	29
76	Assessment of anaerobic wastewater treatment failure using terminal restriction fragment length polymorphism analysis. <i>Journal of Applied Microbiology</i> , 2005, 99, 1463-1471.	3.1	28
77	Low-temperature anaerobic digestion is associated with differential methanogenic protein expression. <i>FEMS Microbiology Letters</i> , 2015, 362, .	1.8	28
78	Common key acidogen populations in anaerobic reactors treating different wastewaters: Molecular identification and quantitative monitoring. <i>Water Research</i> , 2011, 45, 2539-2549.	11.3	27
79	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.	2.7	27
80	Hydrolysis, acidification and methanogenesis during low-temperature anaerobic digestion of dilute dairy wastewater in an inverted fluidised bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8737-8750.	3.6	27
81	Principles, Advances, and Perspectives of Anaerobic Digestion of Lipids. <i>Environmental Science & Technology</i> , 2022, 56, 4749-4775.	10.0	27
82	Characterisation of norovirus contamination in an Irish shellfishery using real-time RT-qPCR and sequencing analysis. <i>International Journal of Food Microbiology</i> , 2012, 160, 105-112.	4.7	25
83	A Functional Approach To Uncover the Low-Temperature Adaptation Strategies of the Archaeon <i>Methanosarcina barkeri</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 4210-4219.	3.1	25
84	Large-scale anaerobic degradation of betaine. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 1176-1182.	3.2	24
85	Stability and reproducibility of low-temperature anaerobic biological wastewater treatment. <i>FEMS Microbiology Ecology</i> , 2006, 55, 449-458.	2.7	24
86	Agricultural anaerobic digestion power plants in Ireland and Germany: policy and practice. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 719-723.	3.5	24
87	Methanogenic community development in anaerobic granular bioreactors treating trichloroethylene (TCE)-contaminated wastewater at 37°C and 15°C. <i>Water Research</i> , 2011, 45, 2452-2462.	11.3	23
88	Antibacterial Potential of an Antimicrobial Agent Inspired by Peroxidase-Catalyzed Systems. <i>Frontiers in Microbiology</i> , 2017, 8, 680.	3.5	22
89	Microbial Community Redundancy and Resilience Underpins High-Rate Anaerobic Treatment of Dairy-Processing Wastewater at Ambient Temperatures. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 192.	4.1	22
90	Functional responses and adaptation of mesophilic microbial communities to psychrophilic anaerobic digestion. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv132.	2.7	21

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91	Detection, fate and inactivation of pathogenic norovirus employing settlement and UV treatment in wastewater treatment facilities. <i>Science of the Total Environment</i> , 2016, 568, 1026-1036.	8.0	21
92	The potential for polyphosphate metabolism in Archaea and anaerobic polyphosphate formation in <i>Methanosarcina mazei</i> . <i>Scientific Reports</i> , 2019, 9, 17101.	3.3	21
93	Simulated sunlight inactivation of norovirus and FRNA bacteriophage in seawater. <i>Journal of Applied Microbiology</i> , 2013, 115, 915-922.	3.1	20
94	Propionate degradation by mesophilic anaerobic sludge: Degradation pathways and effects of other volatile fatty acids. <i>Journal of Bioscience and Bioengineering</i> , 1996, 82, 387-391.	0.9	18
95	Temporal microbial diversity changes in solvent-degrading anaerobic granular sludge from low-temperature (15Â°C) wastewater treatment bioreactors. <i>Systematic and Applied Microbiology</i> , 2007, 30, 471-482.	2.8	18
96	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.	8.8	18
97	New Low-Temperature Applications of Anaerobic Wastewater Treatment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 881-895.	1.7	17
98	Cultivation of low-temperature (15Â°C), anaerobic, wastewater treatment granules. <i>Letters in Applied Microbiology</i> , 2009, 49, 421-426.	2.2	17
99	Quantifying faecal indicator organism hydrological transfer pathways and phases in agricultural catchments. <i>Science of the Total Environment</i> , 2015, 520, 286-299.	8.0	17
100	Synanthropic spiders, including the global invasive noble false widow <i>Steatoda nobilis</i> , are reservoirs for medically important and antibiotic resistant bacteria. <i>Scientific Reports</i> , 2020, 10, 20916.	3.3	17
101	Development of an enhanced chain elongation process for caproic acid production from waste-derived lactic acid and butyric acid. <i>Journal of Cleaner Production</i> , 2022, 338, 130655.	9.3	17
102	Risk assessment of <i>Escherichia coli</i> in bioaerosols generated following land application of farmyard slurry. <i>Science of the Total Environment</i> , 2021, 791, 148189.	8.0	16
103	First proof of concept for full-scale, direct, low-temperature anaerobic treatment of municipal wastewater. <i>Bioresource Technology</i> , 2021, 341, 125786.	9.6	16
104	Temperature effects on the trophic stages of perennial rye grass anaerobic digestion. <i>Water Science and Technology</i> , 2011, 64, 70-76.	2.5	15
105	Abundance of denitrification genes under different peizometer depths in four Irish agricultural groundwater sites. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6646-6657.	5.3	15
106	Antimicrobials offered from nature: Peroxidase-catalyzed systems and their mimics. <i>Biochemical Pharmacology</i> , 2020, 182, 114281.	4.4	15
107	Pathogen Sources Estimation and Scenario Analysis Using the Soil and Water Assessment Tool (SWAT). <i>Human and Ecological Risk Assessment (HERA)</i> , 2010, 16, 913-933.	3.4	14
108	Assessment of the impact of traditional septic tank soakaway systems on water quality in Ireland. <i>Water Science and Technology</i> , 2014, 70, 634-641.	2.5	14

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109	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, .	3.9	14
110	Perturbationâ€independent community development in lowâ€temperature anaerobic biological wastewater treatment bioreactors. <i>Biotechnology and Bioengineering</i> , 2010, 105, 79-87.	3.3	13
111	Sensitivity of streamflow and microbial water quality to future climate and land use change in the West of Ireland. <i>Regional Environmental Change</i> , 2016, 16, 2111-2128.	2.9	12
112	Long Chain Fatty Acid Degradation Coupled to Biological Sulfidogenesis: A Prospect for Enhanced Metal Recovery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 550253.	4.1	12
113	Quantitative microbial risk assessment associated with ready-to-eat salads following the application of farmyard manure and slurry or anaerobic digestate to arable lands. <i>Science of the Total Environment</i> , 2021, 806, 151227.	8.0	10
114	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.	2.2	9
115	Impact of Trichloroethylene Exposure on the Microbial Diversity and Protein Expression in Anaerobic Granular Biomass at 37Â°C and 15Â°C. <i>Archaea</i> , 2012, 2012, 1-13.	2.3	9
116	Continuous culture of <i>Escherichia coli</i> , under selective pressure by a novel antimicrobial complex, does not result in development of resistance. <i>Scientific Reports</i> , 2019, 9, 2401.	3.3	9
117	Enhanced Methanization of Long-Chain Fatty Acid Wastewater at 20Â°C in the Novel Dynamic Sludge Chamberâ€Fixed Film Bioreactor. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	9
118	Evaluation of pathogen concentration in anaerobic digestate using a predictive modelling approach (ADRIK). <i>Science of the Total Environment</i> , 2021, 800, 149574.	8.0	9
119	The hydrolysis and biogas production of complex cellulosic substrates using three anaerobic biomass sources. <i>Water Science and Technology</i> , 2013, 67, 293-298.	2.5	8
120	In vitro comparative cytotoxicity study of a novel biocidal iodo-thiocyanate complex. <i>Toxicology in Vitro</i> , 2018, 50, 264-273.	2.4	8
121	Transforming phosphorus use on the island of Ireland: A model for a sustainable system. <i>Science of the Total Environment</i> , 2019, 656, 852-861.	8.0	8
122	Soil prokaryotic community resilience, fungal colonisation and increased cross-domain co-occurrence in response to a plant-growth enhancing organic amendment. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107937.	8.8	8
123	Using microbiological tracers to assess the impact of winter land use restrictions on the quality of stream headwaters in a small catchment. <i>Science of the Total Environment</i> , 2016, 541, 949-956.	8.0	7
124	Novel slurry additive reduces gaseous emissions during storage thereby improving renewable energy and fertiliser potential. <i>Journal of Cleaner Production</i> , 2022, 358, 132004.	9.3	7
125	A Small Study of Bacterial Contamination of Anaerobic Digestion Materials and Survival in Different Feed Stocks. <i>Bioengineering</i> , 2020, 7, 116.	3.5	6
126	Mutation rate and efflux response of bacteria exposed to a novel antimicrobial iodo-thiocyanate complex. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 13-17.	2.2	5

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127	Quantitative microbial human exposure model for faecal indicator bacteria and risk assessment of pathogenic <i>Escherichia coli</i> in surface runoff following application of dairy cattle slurry and co-digestate to grassland. <i>Journal of Environmental Management</i> , 2021, 299, 113627.	7.8	5
128	A Bayesian inference approach to quantify average pathogen loads in farmyard manure and slurry using open-source Irish datasets. <i>Science of the Total Environment</i> , 2021, 786, 147474.	8.0	4
129	Determination and localisation of in situ substrate uptake by anaerobic wastewater treatment granular biofilms. <i>Water Science and Technology</i> , 2007, 55, 369-376.	2.5	2
130	Low temperature anaerobic biotreatment of priority pollutants. <i>Water Science and Technology</i> , 2008, 57, 499-503.	2.5	2
131	Detection and removal of pathogenic norovirus employing tertiary treatment in wastewater and water treatment facilities. <i>Water Practice and Technology</i> , 2014, 9, 370-376.	2.0	2
132	Measurement of Intracellular Calcium Levels of Human Spermatozoa Acrosome Reacted by Electroporation. <i>Archives of Andrology</i> , 1994, 32, 185-195.	1.0	1
133	Insights into the structural dynamics of the bacteriophage T7 DNA polymerase and its complexes. <i>Journal of Molecular Modeling</i> , 2018, 24, 144.	1.8	1
134	Construction and Validation of A Low-cost, Small-scale, Multiplex Continuous Culturing System for Microorganisms. <i>Bio-protocol</i> , 2020, 10, e3813.	0.4	1
135	The effect of soil pH and phosphorus interactions on nitrous oxide emissions and microbial communities involved in nitrogen cycling. <i>Access Microbiology</i> , 2019, 1, .	0.5	0