

UPARSE: highly accurate OTU sequences from microbial

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Citation Report

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| 8  | The Generation R Study: design and cohort update 2010. <i>European Journal of Epidemiology</i> , 2010, 25, 823-841.   | 2.5 | 516       |
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| 982 | Managing the excessive proliferation of glycogen accumulating organisms in industrial activated sludge by nitrogen supplementation: A FISH-NanoSIMS approach. <i>Systematic and Applied Microbiology</i> , 2017, 40, 500-507.      | 1.2 | 3         |
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| 987  | Whole-Grain Starch and Fiber Composition Modifies Ileal Flow of Nutrients and Nutrient Availability in the Hindgut, Shifting Fecal Microbial Profiles in Pigs. <i>Journal of Nutrition</i> , 2017, 147, jn255851.  | 1.3 | 13        |
| 988  | Assessment of variation in microbial community amplicon sequencing by the Microbiome Quality Control (MBQC) project consortium. <i>Nature Biotechnology</i> , 2017, 35, 1077-1086.   | 9.4 | 400       |
| 989  | Photochemical alteration of organic carbon draining permafrost soils shifts microbial metabolic pathways and stimulates respiration. <i>Nature Communications</i> , 2017, 8, 772.  | 5.8 | 112       |
| 990  | Exploring the Plant Microbiome Through Multi-omics Approaches. , 2017, , 233-268.  |     | 11        |
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| 992  | Fungal community structure of fallen pine and oak wood at different stages of decomposition in the Qinling Mountains, China. <i>Scientific Reports</i> , 2017, 7, 13866.   | 1.6 | 20        |
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| 994  | Modulating Effects of Dicafeoylquinic Acids from <i>Ilex kudingcha</i> on Intestinal Microecology in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10185-10196.   | 2.4 | 56        |
| 995  | ALF: a strategy for identification of unauthorized GMOs in complex mixtures by a GW-NGS method and dedicated bioinformatics analysis. <i>Scientific Reports</i> , 2017, 7, 14155.  | 1.6 | 16        |
| 996  | Processing and Analyzing Human Microbiome Data. <i>Methods in Molecular Biology</i> , 2017, 1666, 649-677.   | 0.4 | 4         |
| 997  | Oxygen transfer dynamics and nitrification in a novel rotational sponge reactor. <i>Biochemical Engineering Journal</i> , 2017, 128, 162-167.  | 1.8 | 25        |
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| 1001 | Evaluation of the efficacy and safety of <i>Ganoderma lucidum</i> mycelium-fermented liquid on gut microbiota and its impact on cardiovascular risk factors in human. <i>RSC Advances</i> , 2017, 7, 45093-45100.  | 1.7 | 14        |
| 1002 | Mulberry leaf alleviates streptozotocin-induced diabetic rats by attenuating NEFA signaling and modulating intestinal microflora. <i>Scientific Reports</i> , 2017, 7, 12041.  | 1.6 | 59        |
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| 1004 | Shifts in microbial communities with increasing soil fertility across a chronosequence of paddy cultivation in subtropical China. <i>Applied Soil Ecology</i> , 2017, 120, 153-159.   | 2.1  | 27        |
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| 1006 | Comparing diversity of fungi from living leaves using culturing and high-throughput environmental sequencing. <i>Mycologia</i> , 2017, 109, 1-12.   | 0.8  | 23        |
| 1007 | Metagenomic Cosmid Libraries Suitable for Functional Screening in Proteobacteria. , 2017, , 1-11.   |      | 2         |
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| 1009 | Gut bacterial communities of diarrheic patients with indications of <i>Clostridioides difficile</i> infection. <i>Scientific Data</i> , 2017, 4, 170152.  | 2.4  | 15        |
| 1010 | Bacterial natural product biosynthetic domain composition in soil correlates with changes in latitude on a continent-wide scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11615-11620. | 3.3  | 53        |
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| 1012 | Wild Mouse Gut Microbiota Promotes Host Fitness and Improves Disease Resistance. <i>Cell</i> , 2017, 171, 1015-1028.e13.  | 13.5 | 603       |
| 1013 | Development of a microbial test suite and data integration method for assessing microbial health of contaminated soil. <i>Journal of Microbiological Methods</i> , 2017, 143, 66-77.  | 0.7  | 9         |
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| 1015 | Taxonomic structure and functional association of foxtail millet root microbiome. <i>GigaScience</i> , 2017, 6, 1-12.   | 3.3  | 1,228     |
| 1017 | Bacterial community analysis in upflow multilayer anaerobic reactor treating high-solids organic wastes. <i>Biotechnology Progress</i> , 2017, 33, 1226-1234.   | 1.3  | 0         |
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| 1025 | Rare, high-affinity anti-pathogen antibodies from human repertoires, discovered using microfluidics and molecular genomics. <i>MAbs</i> , 2017, 9, 1282-1296.   | 2.6 | 32        |
| 1026 | Rare, high-affinity mouse anti-PD-1 antibodies that function in checkpoint blockade, discovered using microfluidics and molecular genomics. <i>MAbs</i> , 2017, 9, 1270-1281.   | 2.6 | 26        |
| 1027 | Leaf endophytic fungus interacts with precipitation to alter belowground microbial communities in primary successional dunes. <i>FEMS Microbiology Ecology</i> , 2017, 93, .  | 1.3 | 35        |
| 1028 | <i>Helicobacter</i> species are potent drivers of colonic T cell responses in homeostasis and inflammation. <i>Science Immunology</i> , 2017, 2, .  | 5.6 | 100       |
| 1029 | Dietary Fibers and Protective Lactobacilli Drive Burrata Cheese Microbiome. <i>Applied and Environmental Microbiology</i> , 2017, 83, .   | 1.4 | 14        |
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| 1031 | Microbial community structure and diversity within hypersaline Keke Salt Lake environments. <i>Canadian Journal of Microbiology</i> , 2017, 63, 895-908.  | 0.8 | 54        |
| 1032 | Sorting things out: Assessing effects of unequal specimen biomass on <i>scp</i> DNA metabarcoding. <i>Ecology and Evolution</i> , 2017, 7, 6918-6926.   | 0.8 | 144       |
| 1033 | Analysis of intestinal microbial communities of cerebral infarction and ischemia patients based on high throughput sequencing technology and glucose and lipid metabolism. <i>Molecular Medicine Reports</i> , 2017, 16, 5413-5417. | 1.1 | 37        |
| 1034 | Bacterial community in ancient permafrost alluvium at the Mammoth Mountain (Eastern Siberia). <i>Gene</i> , 2017, 636, 48-53.   | 1.0 | 25        |
| 1035 | Microbiome Dynamics in a Shrimp Grow-out Pond with Possible Outbreak of Acute Hepatopancreatic Necrosis Disease. <i>Scientific Reports</i> , 2017, 7, 9395.   | 1.6 | 112       |
| 1036 | Diversity and dynamics stability of bacterial community in traditional solid-state fermentation of Qishan vinegar. <i>Annals of Microbiology</i> , 2017, 67, 703-713.   | 1.1 | 19        |
| 1037 | Synergetic suppression of soybean cyst nematodes by chitosan and <i>Hirsutella minnesotensis</i> via the assembly of the soybean rhizosphere microbial communities. <i>Biological Control</i> , 2017, 115, 85-94.                   | 1.4 | 71        |
| 1038 | Microbial communities in placentas from term normal pregnancy exhibit spatially variable profiles. <i>Scientific Reports</i> , 2017, 7, 11200.  | 1.6 | 137       |
| 1039 | Unravelling diversity and metabolic potential of microbial consortia at each stage of leather sewage treatment. <i>RSC Advances</i> , 2017, 7, 41727-41737.   | 1.7 | 14        |
| 1040 | Impacts of Repeated Glyphosate Use on Wheat-Associated Bacteria Are Small and Depend on Glyphosate Use History. <i>Applied and Environmental Microbiology</i> , 2017, 83, .   | 1.4 | 42        |

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| 1041 | Metagenetic analysis of the bacterial communities of edible insects from diverse production cycles at industrial rearing companies. <i>International Journal of Food Microbiology</i> , 2017, 261, 11-18.              | 2.1 | 50        |
| 1042 | Antibiotic treatment for Tuberculosis induces a profound dysbiosis of the microbiome that persists long after therapy is completed. <i>Scientific Reports</i> , 2017, 7, 10767.  | 1.6 | 148       |
| 1043 | Gender-based differences in host behavior and gut microbiota composition in response to high fat diet and stress in a mouse model. <i>Scientific Reports</i> , 2017, 7, 10776.   | 1.6 | 112       |
| 1044 | Surrogate hosts: Hunting dogs and recolonizing grey wolves share their endoparasites. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2017, 6, 278-286.  | 0.6 | 11        |
| 1045 | Effects of cationic surfactant on the bioaccumulation of polycyclic aromatic hydrocarbons in rice and the soil microbial community structure. <i>RSC Advances</i> , 2017, 7, 41444-41451.                              | 1.7 | 6         |
| 1046 | Host Genetic Control of the Oral Microbiome in Health and Disease. <i>Cell Host and Microbe</i> , 2017, 22, 269-278.e3.  | 5.1 | 165       |
| 1047 | Rhizospheric fungi and their link with the nitrogen-fixing <i>Frankia</i> harbored in host plant <i>Hippophae rhamnoides</i> L. <i>Journal of Basic Microbiology</i> , 2017, 57, 1055-1064.                            | 1.8 | 20        |
| 1048 | Analysis and comparison of the wolf microbiome under different environmental factors using three different data of Next Generation Sequencing. <i>Scientific Reports</i> , 2017, 7, 11332.                             | 1.6 | 51        |
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| 1051 | Gut microbiota dysbiosis associated with glucose metabolism disorders and the metabolic syndrome in older adults. <i>Beneficial Microbes</i> , 2017, 8, 545-556.   | 1.0 | 232       |
| 1052 | Effect of caloric restriction on gut permeability, inflammation markers, and fecal microbiota in obese women. <i>Scientific Reports</i> , 2017, 7, 11955.  | 1.6 | 119       |
| 1053 | Linking Spatial Structure and Community-Level Biotic Interactions through Cooccurrence and Time Series Modeling of the Human Intestinal Microbiota. <i>MSystems</i> , 2017, 2, .                                       | 1.7 | 8         |
| 1055 | Microbial communities with distinct denitrification potential in spruce and beech soils differing in nitrate leaching. <i>Scientific Reports</i> , 2017, 7, 9738.  | 1.6 | 34        |
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| 1059 | Variations in bacterial and fungal communities through soil depth profiles in a <i>Betula albosinensis</i> forest. <i>Journal of Microbiology</i> , 2017, 55, 684-693.   | 1.3 | 31        |

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| 1060 | Characterization of sediment bacterial communities in plain lakes with different trophic statuses. <i>MicrobiologyOpen</i> , 2017, 6, e00503.  | 1.2 | 71        |
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| 1062 | Randomized controlled trial on the impact of early-life intervention with bifidobacteria on the healthy infant fecal microbiota and metabolome. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1274-1286.            | 2.2 | 124       |
| 1063 | Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity. <i>Scientific Reports</i> , 2017, 7, 5621.   | 1.6 | 51        |
| 1064 | Soil bacterial community response to vegetation succession after fencing in the grassland of China. <i>Science of the Total Environment</i> , 2017, 609, 2-10.   | 3.9 | 143       |
| 1065 | Effects of dietary supplementation with two alternatives to antibiotics on intestinal microbiota of preweaned calves challenged with <i>Escherichia coli</i> K99. <i>Scientific Reports</i> , 2017, 7, 5439.                     | 1.6 | 41        |
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| 1067 | Effects of biochar amendment on bacterial and fungal diversity for co-composting of gelatin industry sludge mixed with organic fraction of municipal solid waste. <i>Bioresource Technology</i> , 2017, 246, 214-223.            | 4.8 | 68        |
| 1068 | Response of soil microbial community composition and function to a bottomland forest restoration intensity gradient. <i>Applied Soil Ecology</i> , 2017, 119, 317-326.   | 2.1 | 62        |
| 1069 | Rapid differentiation of bacterial communities using high resolution melting analysis. <i>Journal of Microbiological Methods</i> , 2017, 140, 77-81.   | 0.7 | 2         |
| 1070 | Short-term effect of oral amoxicillin treatment on the gut microbial community composition in farm mink ( <i>Neovison vison</i> ). <i>FEMS Microbiology Ecology</i> , 2017, 93, .  | 1.3 | 14        |
| 1071 | Insight into c-di-GMP Regulation in Anammox Aggregation in Response to Alternating Feed Loadings. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9155-9164.   | 4.6 | 74        |
| 1072 | Biogeochemical gradients and microbial communities in Winogradsky columns established with polluted wetland sediments. <i>FEMS Microbiology Ecology</i> , 2017, 93, .  | 1.3 | 19        |
| 1073 | A Method to Assess Bacteriocin Effects on the Gut Microbiota of Mice. <i>Journal of Visualized Experiments</i> , 2017, , .   | 0.2 | 3         |
| 1074 | Monitoring of Toxigenic Cyanobacteria Using Next-Generation Sequencing Techniques. , 2017, , 277-299.  |     | 0         |
| 1075 | Redox and temperature-sensitive changes in microbial communities and soil chemistry dictate greenhouse gas loss from thawed permafrost. <i>Biogeochemistry</i> , 2017, 134, 183-200.   | 1.7 | 22        |
| 1076 | Integrating the microbiome as a resource in the forensics toolkit. <i>Forensic Science International: Genetics</i> , 2017, 30, 141-147.  | 1.6 | 81        |
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| 1078 | Honeybee ( <i>Apis mellifera</i> )-associated bacterial community affected by American foulbrood: detection of <i>Paenibacillus</i> larvae via microbiome analysis. <i>Scientific Reports</i> , 2017, 7, 5084.         | 1.6 | 58        |
| 1079 | Analysis of large 16S rRNA Illumina data sets: Impact of singleton read filtering on microbial community description. <i>Molecular Ecology Resources</i> , 2017, 17, e122-e132.  | 2.2 | 55        |
| 1080 | In vitro characteristics of an Atlantic salmon ( <i>Salmo salar</i> L.) hind gut microbial community in relation to different dietary treatments. <i>Research in Microbiology</i> , 2017, 168, 751-759.                | 1.0 | 19        |
| 1081 | Successful collection of stool samples for microbiome analyses from a large community-based population of elderly men. <i>Contemporary Clinical Trials Communications</i> , 2017, 7, 158-162.                          | 0.5 | 38        |
| 1082 | Total and active microbial communities in a full-scale system treating wastewater from soy sauce production. <i>International Biodeterioration and Biodegradation</i> , 2017, 123, 206-215.                            | 1.9 | 19        |
| 1083 | Changes in the gut microbial communities following addition of walnuts to the diet. <i>Journal of Nutritional Biochemistry</i> , 2017, 48, 94-102.   | 1.9 | 79        |
| 1084 | Sewers as potential reservoirs of antibiotic resistance. <i>Science of the Total Environment</i> , 2017, 605-606, 1047-1054.   | 3.9 | 99        |
| 1085 | Insect frass in stored cereal products as a potential source of <i>Lactobacillus sanfranciscensis</i> for sourdough ecosystem. <i>Journal of Applied Microbiology</i> , 2017, 123, 944-955.                            | 1.4 | 24        |
| 1086 | Diversity and stability of coral endolithic microbial communities at a naturally high $\text{pCO}_2$ reef. <i>Molecular Ecology</i> , 2017, 26, 5344-5357.   | 2.0 | 43        |
| 1087 | Visualizing the dental biofilm matrix by means of fluorescence lectin-binding analysis. <i>Journal of Oral Microbiology</i> , 2017, 9, 1345581.  | 1.2 | 19        |
| 1088 | PCR cycles above routine numbers do not compromise high-throughput DNA barcoding results. <i>Genome</i> , 2017, 60, 868-873.   | 0.9 | 26        |
| 1089 | The effect of crop rotation between wetland rice and upland maize on the microbial communities associated with roots. <i>Plant and Soil</i> , 2017, 419, 435-445.  | 1.8 | 40        |
| 1090 | Filamentous bulking caused by <i>Thiothrix</i> species is efficiently controlled in full-scale wastewater treatment plants by implementing a sludge densification strategy. <i>Scientific Reports</i> , 2017, 7, 1430. | 1.6 | 39        |
| 1091 | OptiClust, an Improved Method for Assigning Amplicon-Based Sequence Data to Operational Taxonomic Units. <i>MSphere</i> , 2017, 2, .   | 1.3 | 365       |
| 1092 | Asymmetric response of root-associated fungal communities of an arbuscular mycorrhizal grass and an ectomycorrhizal tree to their coexistence in primary succession. <i>Mycorrhiza</i> , 2017, 27, 775-789.            | 1.3 | 18        |
| 1093 | Hidden biofilms in a far northern lake and implications for the changing Arctic. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 17.  | 2.9 | 32        |
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| 1098 | Bio-fertilizer application induces soil suppressiveness against <i>Fusarium</i> wilt disease by reshaping the soil microbiome. <i>Soil Biology and Biochemistry</i> , 2017, 114, 238-247.                                 | 4.2 | 216       |
| 1099 | Next-Generation Probiotics Targeting <i>Clostridium difficile</i> through Precursor-Directed Antimicrobial Biosynthesis. <i>Infection and Immunity</i> , 2017, 85, .  | 1.0 | 65        |
| 1100 | Nitrifier-induced denitrification is an important source of soil nitrous oxide and can be inhibited by a nitrification inhibitor 3,4-dimethylpyrazole phosphate. <i>Environmental Microbiology</i> , 2017, 19, 4851-4865. | 1.8 | 75        |
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| 1102 | Remediation of <i>Thiothrix</i> spp. associated bulking problems by raw wastewater feeding: A full-scale experience. <i>Systematic and Applied Microbiology</i> , 2017, 40, 396-399.                                      | 1.2 | 5         |
| 1103 | Predator trait evolution alters prey community composition. <i>Ecosphere</i> , 2017, 8, e01803.   | 1.0 | 1         |
| 1104 | Bacterial community composition in rainwater associated with synoptic weather in an area downwind of the Asian continent. <i>Science of the Total Environment</i> , 2017, 601-602, 1775-1784.                             | 3.9 | 11        |
| 1105 | Soil mycorrhizal and nematode diversity vary in response to bioenergy crop identity and fertilization. <i>GCB Bioenergy</i> , 2017, 9, 1644-1656.   | 2.5 | 32        |
| 1106 | Reproducibility of assessing fecal microbiota in chronic constipation. <i>Neurogastroenterology and Motility</i> , 2017, 29, 1-10.  | 1.6 | 14        |
| 1107 | The Skin Microbiome of Cohabiting Couples. <i>MSystems</i> , 2017, 2, .   | 1.7 | 87        |
| 1108 | Establishing Causality: Opportunities of Synthetic Communities for Plant Microbiome Research. <i>Cell Host and Microbe</i> , 2017, 22, 142-155.   | 5.1 | 404       |
| 1109 | A clinician's guide to microbiome analysis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 585-595.  | 8.2 | 124       |
| 1110 | Microbes Facilitate Mineral Deposition in Bioelectrochemical Systems. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 277-287.  | 1.2 | 12        |
| 1111 | Effects of over 30-year of different fertilization regimes on fungal community compositions in the black soils of northeast China. <i>Agriculture, Ecosystems and Environment</i> , 2017, 248, 113-122.                   | 2.5 | 105       |
| 1112 | Fungal microbiomes associated with green and non-green building materials. <i>International Biodeterioration and Biodegradation</i> , 2017, 125, 251-257.   | 1.9 | 16        |
| 1113 | <i>Cryptosporidium</i> in fish: alternative sequencing approaches and analyses at multiple loci to resolve mixed infections. <i>Parasitology</i> , 2017, 144, 1811-1820.  | 0.7 | 21        |

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| 1114 | Succession of arbuscular mycorrhizal fungi along a 52-years agricultural recultivation chronosequence. <i>FEMS Microbiology Ecology</i> , 2017, 93, .   | 1.3 | 19        |
| 1115 | <i>Lactobacillus reuteri</i> induces gut intraepithelial CD4 <sup>+</sup> CD8 <sup>±</sup> T cells. <i>Science</i> , 2017, 357, 806-810.  | 6.0 | 543       |
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| 1523 | Warming differentially altered multidimensional soil legacy induced by past land use history. <i>Scientific Reports</i> , 2018, 8, 1546.   | 1.6 | 5         |
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| 1526 | Feedstock determines biocharâ€induced soil priming effects by stimulating the activity of specific microorganisms. <i>European Journal of Soil Science</i> , 2018, 69, 521-534.   | 1.8 | 112       |
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| 1533 | Hemolymph Microbiomes of Three Aquatic Invertebrates as Revealed by a New Cell Extraction Method. <i>Applied and Environmental Microbiology</i> , 2018, 84, .   | 1.4 | 49        |
| 1534 | Contrasting patterns of the bacterial and archaeal communities in a high-elevation river in northwestern China. <i>Journal of Microbiology</i> , 2018, 56, 104-112.   | 1.3 | 7         |
| 1535 | Comparative study on intestinal bacterial communities of <i>Boleophthalmus pectinirostris</i> and <i>Periophthalmus magnuspinnatus</i> with different sexes and feeding strategies. <i>Annals of Microbiology</i> , 2018, 68, 123-133.  | 1.1 | 9         |
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| 1550 | Alterations of oral microbiota distinguish children with autism spectrum disorders from healthy controls. <i>Scientific Reports</i> , 2018, 8, 1597.  | 1.6 | 118       |
| 1551 | Seminal bacterial composition in patients with obstructive and non-obstructive azoospermia. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 2884-2890.   | 0.8 | 27        |
| 1552 | Root-Associated Bacterial and Fungal Community Profiles of <i>Arabidopsis thaliana</i> Are Robust Across Contrasting Soil P Levels. <i>Phytobiomes Journal</i> , 2018, 2, 24-34.                                | 1.4 | 37        |
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| 1559 | The effect of fucoidan on intestinal flora and intestinal barrier function in rats with breast cancer. <i>Food and Function</i> , 2018, 9, 1214-1223.   | 2.1 | 108       |
| 1560 | Environmental Sequencing Fills the Gap Between Parasitic Haplosporidians and Free-living Giant Amoebae. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 574-586.  | 0.8 | 21        |
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| 1568 | Rampant Host Switching Shaped the Termite Gut Microbiome. <i>Current Biology</i> , 2018, 28, 649-654.e2.   | 1.8 | 101       |
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| 1578 | Cultivation of seaweed <i>Gracilaria lemaneiformis</i> enhanced biodiversity in a eukaryotic plankton community as revealed via metagenomic analyses. <i>Molecular Ecology</i> , 2018, 27, 1081-1093.                          | 2.0 | 35        |
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| 1582 | Correlation between gut microbiota and personality in adults: A cross-sectional study. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 374-385.   | 2.0 | 69        |
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| 1587 | N-fertilizer-driven association between the arbuscular mycorrhizal fungal community and diazotrophic community impacts wheat yield. <i>Agriculture, Ecosystems and Environment</i> , 2018, 254, 191-201.   | 2.5 | 57        |
| 1588 | Microbial community changes induced by uranyl nitrate in bentonite clay microcosms. <i>Applied Clay Science</i> , 2018, 160, 206-216.  | 2.6 | 18        |
| 1589 | A novel Ehrlichia species in blood and Ixodes ornithorhynchi ticks from platypuses (Ornithorhynchus) Tj ETQq0 0 0 ggBT /Overlock 10 Tf   | 1.1 | 23        |
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| 1605 | Rhubarb Supplementation Promotes Intestinal Mucosal Innate Immune Homeostasis through Modulating Intestinal Epithelial Microbiota in Goat Kids. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1047-1057. | 2.4 | 24        |
| 1606 | Clearcutting alters decomposition processes and initiates complex restructuring of fungal communities in soil and tree roots. <i>ISME Journal</i> , 2018, 12, 692-703.   | 4.4 | 100       |
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| 1614 | Prolonged exposure does not increase soil microbial community compositional response to warming along geothermal gradients. <i>FEMS Microbiology Ecology</i> , 2018, 94, .   | 1.3 | 29        |
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| 1616 | Mechanisms of biochar reducing the bioaccumulation of PAHs in rice from soil: Degradation stimulation vs immobilization. <i>Chemosphere</i> , 2018, 196, 288-296.  | 4.2 | 53        |
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| 1626 | A comparison of methods used to unveil the genetic and metabolic pool in the built environment. <i>Microbiome</i> , 2018, 6, 71.   | 4.9 | 19        |
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| 1628 | A microbiome case-control study of recurrent acute otitis media identified potentially protective bacterial genera. <i>BMC Microbiology</i> , 2018, 18, 13.  | 1.3 | 126       |
| 1629 | Recolonizing gray wolves increase parasite infection risk in their prey. <i>Ecology and Evolution</i> , 2018, 8, 2160-2170.  | 0.8 | 13        |
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| 1631 | Investigation on hydrogen production from paper sludge without inoculation and its enhancement by <i>Clostridium thermocellum</i> . <i>Bioresource Technology</i> , 2018, 263, 120-127.  | 4.8 | 45        |
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| 1635 | Co-application of wood ash and <i>Paenibacillus mucilaginosus</i> to soil: the effect on maize nutritional status, root exudation and composition of soil solution. <i>Plant and Soil</i> , 2018, 428, 105-122.                          | 1.8 | 14        |
| 1636 | Genotypic variation in <i>Pinus radiata</i> responses to nitrogen source are related to changes in the root microbiome. <i>FEMS Microbiology Ecology</i> , 2018, 94, .   | 1.3 | 6         |
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| 1642 | Natural revegetation of a semiarid habitat alters taxonomic and functional diversity of soil microbial communities. <i>Science of the Total Environment</i> , 2018, 635, 598-606.  | 3.9 | 89        |
| 1643 | Environmental DNA filtration techniques affect recovered biodiversity. <i>Scientific Reports</i> , 2018, 8, 4682.  | 1.6 | 93        |
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| 1645 | Bacterial Community in Water and Air of Two Sub-Alpine Lakes in Taiwan. <i>Microbes and Environments</i> , 2018, 33, 120-126.  | 0.7 | 17        |
| 1646 | Dust-associated microbiomes from dryland wheat fields differ with tillage practice and biosolids application. <i>Atmospheric Environment</i> , 2018, 185, 29-40.   | 1.9 | 5         |
| 1647 | Resuscitation of functional bacterial community for enhancing biodegradation of phenol under high salinity conditions based on Rpf. <i>Bioresource Technology</i> , 2018, 261, 394-402.  | 4.8 | 47        |
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| 1649 | Impairment of the intestine barrier function in <i>Litopenaeus vannamei</i> exposed to ammonia and nitrite stress. <i>Fish and Shellfish Immunology</i> , 2018, 78, 279-288.   | 1.6 | 114       |
| 1650 | The role of bacteria in pine wilt disease: insights from microbiome analysis. <i>FEMS Microbiology Ecology</i> , 2018, 94, .   | 1.3 | 30        |
| 1651 | Conservation tillage and organic farming induce minor variations in <i>Pseudomonas</i> abundance, their antimicrobial function and soil disease resistance. <i>FEMS Microbiology Ecology</i> , 2018, 94, .                         | 1.3 | 10        |
| 1652 | Fertilizer N application rate impacts plant-soil feedback in a sanqi production system. <i>Science of the Total Environment</i> , 2018, 633, 796-807.  | 3.9 | 113       |
| 1653 | Moss habitats distinctly affect their associated bacterial community structures as revealed by the high-throughput sequencing method. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 58.                       | 1.7 | 13        |
| 1655 | Gut microbiota recovery and immune response in ampicillin-treated mice. <i>Research in Veterinary Science</i> , 2018, 118, 357-364.  | 0.9 | 10        |
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| 2048 | Ethanolamine enhances intestinal functions by altering gut microbiome and mucosal anti-stress capacity in weaned rats. <i>British Journal of Nutrition</i> , 2018, 120, 241-249.  | 1.2 | 29        |
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| 2053 | Effect of bamboo vinegar powder as an antibiotic alternative on the digesta bacteria communities of finishing pigs. <i>Canadian Journal of Microbiology</i> , 2018, 64, 732-743.  | 0.8 | 4         |
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| 2060 | Microbiota of edible <i>Liometopum apiculatum</i> ant larvae reveals potential functions related to their nutritional value. <i>Food Research International</i> , 2018, 109, 497-505.  | 2.9 | 10        |
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| 2727 | Enhanced Immobilization of Arsenic from Acid Mine Drainage by Detrital Clay Minerals. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2525-2538.  | 1.2 | 7         |
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| 2748 | Genomic signatures and co-occurrence patterns of the ultra-small <i>Saccharimonadia</i> (phylum) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 5   | 2.0 | 101       |
| 2749 | Temporal and spatial variation in bacterial communities of <i>Malus</i> ( <i>Malus</i> x) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50 5<br><i>MicrobiologyOpen</i> , 2019, 8, e918.   | 1.2 | 12        |
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| 2785 | Use of RNA and DNA to Identify Mechanisms of Bacterial Community Homogenization. <i>Frontiers in Microbiology</i> , 2019, 10, 2066.   | 1.5 | 18        |
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| 5019 | Regression Models for Compositional Data: General Log-Contrast Formulations, Proximal Optimization, and Microbiome Data Applications. <i>Statistics in Biosciences</i> , 2021, 13, 217-242.  | 0.6 | 15        |
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| 5025 | Modulation of rumen fermentation and microbial community through increasing dietary cationâ€“anion difference in Chinese Holstein dairy cows under heat stress conditions. <i>Journal of Applied Microbiology</i> , 2021, 130, 722-735.                    | 1.4 | 8         |
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| 5032 | Bile Acids and Microbiome Among Individuals With Irritable Bowel Syndrome and Healthy Volunteers. <i>Biological Research for Nursing</i> , 2021, 23, 65-74.  | 1.0 | 21        |

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| 5061 | Microbial ecology of a lactate-driven dark fermentation process producing hydrogen under carbohydrate-limiting conditions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11284-11296.   | 3.8 | 33        |
| 5062 | Enhanced bioremediation of trichloroethene-contaminated groundwater using modified $\hat{1}^3$ -PGA for continuous substrate supplement and pH control: Batch and pilot-scale studies. <i>Journal of Cleaner Production</i> , 2021, 278, 123736.              | 4.6 | 10        |
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| 5070 | Exploration of the effects of altitude change on bacteria and fungi in the rumen of yak ( <i>Bos Tj</i> ETQq1 1 0.784314 $\frac{10}{10}$ BT /Overlock 10 19   | 1.0 | 1         |
| 5071 | Evaluation and ranking of polymeric ion exchange membranes used in microbial electrolysis cells for biohydrogen production. <i>Bioresource Technology</i> , 2021, 319, 124182.  | 4.8 | 8         |
| 5072 | Using milk vetch ( <i>Astragalus sinicus</i> L.) to promote rice straw decomposition by regulating enzyme activity and bacterial community. <i>Bioresource Technology</i> , 2021, 319, 124215.                                  | 4.8 | 25        |
| 5073 | Powdered activated carbon (PAC) amendment enhances naphthalene biodegradation under strictly sulfate-reducing conditions. <i>Environmental Pollution</i> , 2021, 268, 115641.   | 3.7 | 10        |
| 5074 | Effects of synthetic nitrogen fertilizer and manure on fungal and bacterial contributions to N <sub>2</sub> O production along a soil acidity gradient. <i>Science of the Total Environment</i> , 2021, 753, 142011.            | 3.9 | 20        |
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| 5076 | Comparative diversity analysis of halophiles at two polar saltern systems in Indramayu, West Java, Indonesia. <i>Letters in Applied Microbiology</i> , 2021, 72, 157-166.   | 1.0 | 1         |
| 5077 | Biochar applications combined with paddy-upland rotation cropping systems benefit the safe use of PAH-contaminated soils: From risk assessment to microbial ecology. <i>Journal of Hazardous Materials</i> , 2021, 404, 124123. | 6.5 | 25        |
| 5078 | Enhancement of polychlorinated biphenyl biodegradation by resuscitation promoting factor (Rpf) and Rpf-responsive bacterial community. <i>Chemosphere</i> , 2021, 263, 128283.  | 4.2 | 55        |
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| 5082 | Diet of the European bison ( <i>Bison bonasus</i> ) in a forest habitat estimated by DNA barcoding. <i>Mammal Research</i> , 2021, 66, 123-136.   | 0.6 | 10        |
| 5083 | Effects of vegetation on bacterial communities, carbon and nitrogen in dryland soil surfaces: implications for shrub encroachment in the southwest Kalahari. <i>Science of the Total Environment</i> , 2021, 764, 142847.       | 3.9 | 15        |
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| 5085 | Biomarkers associated with cheese quality uncovered by integrative multi-omic analysis. <i>Food Control</i> , 2021, 123, 107752.  | 2.8 | 15        |
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| 5087 | The communities and functional profiles of virioplankton along a salinity gradient in a subtropical estuary. <i>Science of the Total Environment</i> , 2021, 759, 143499.  | 3.9  | 16        |
| 5088 | DNA metabarcoding provides insights into seasonal diet variations in Chinese mole shrew ( <i>Myiodes</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10 Evolution, 2021, 11, 376-389.         | 0.8  | 8         |
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| 5867 | Mucosal microbial microenvironment in early gastric neoplasia and non-neoplastic gastric disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021, 36, 3092-3101.   | 1.4 | 8         |
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| 5872 | The bacterial microbiota of Hunner lesion interstitial cystitis/bladder pain syndrome. <i>BJU International</i> , 2022, 129, 104-112.   | 1.3 | 6         |
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| 5885 | <i>Bacteroides uniformis</i> CECT 7771 alleviates inflammation within the gut-adipose tissue axis involving TLR5 signaling in obese mice. <i>Scientific Reports</i> , 2021, 11, 11788.                    | 1.6 | 33        |
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| 5888 | Composted biochar affects structural dynamics, function and co-occurrence network patterns of fungi community. <i>Science of the Total Environment</i> , 2021, 775, 145672.                               | 3.9 | 60        |
| 5889 | Assembly processes lead to divergent soil fungal communities within and among 12 forest ecosystems along a latitudinal gradient. <i>New Phytologist</i> , 2021, 231, 1183-1194.                           | 3.5 | 20        |
| 5890 | Alteration of Intestinal Microbiome of <i>Clostridioides difficile</i> -Infected Hamsters during the Treatment with Specific Cow Antibodies. <i>Antibiotics</i> , 2021, 10, 724.                          | 1.5 | 1         |

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| 5891 | Intestinal Microbiota Mediates High-Fructose and High-Fat Diets to Induce Chronic Intestinal Inflammation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 654074.                                     | 1.8 | 39        |
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| 5893 | Persistence and resistance: survival mechanisms of <i>Candidatus</i> Dormibacterota from nutrient-poor Antarctic soils. <i>Environmental Microbiology</i> , 2021, 23, 4276-4294.   | 1.8 | 7         |
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| 6427 | Vitamin A supplementation ameliorates ulcerative colitis in gut microbiota in a dependent manner. <i>Food Research International</i> , 2021, 148, 110568.   | 2.9 | 31        |
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| 6430 | Study on supplementary food with beneficial effects on the gut microbiota of infants. <i>Food Bioscience</i> , 2021, 43, 101291.  | 2.0 | 3         |
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| 6444 | Specific network and phyllosymbiosis pattern in endophyte community of coastal halophytes. <i>Fungal Ecology</i> , 2021, 53, 101088.  | 0.7 | 3         |
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| 6449 | eDNA metabarcoding revealed differential structures of aquatic communities in a dynamic freshwater ecosystem shaped by habitat heterogeneity. <i>Environmental Research</i> , 2021, 201, 111602.  | 3.7 | 28        |
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| 6459 | Rapid pathogen discovery in diseased turbot ( <i>Scophthalmus maximus</i> ) using 16S rRNA high throughput sequencing. <i>Aquaculture Reports</i> , 2021, 21, 100835.   | 0.7 | 3         |
| 6460 | Analysis of in vitro digestion using human gut microbiota in adult and elderly individuals. <i>Food Chemistry</i> , 2021, 362, 130228.  | 4.2 | 11        |
| 6461 | Contrasting effects of carbon source recalcitrance on soil phosphorus availability and communities of phosphorus solubilizing microorganisms. <i>Journal of Environmental Management</i> , 2021, 298, 113426.                                       | 3.8 | 13        |
| 6462 | Biodegradation of foam plastics by <i>Zophobas atratus</i> larvae (Coleoptera: Tenebrionidae) associated with changes of gut digestive enzymes activities and microbiome. <i>Chemosphere</i> , 2021, 282, 131006.                                   | 4.2 | 45        |
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| 6465 | Ecological quality in freshwater streams is reflected across all three domains of life. <i>Ecological Indicators</i> , 2021, 130, 108059.   | 2.6 | 0         |
| 6466 | Transformation of fish waste protein to <i>Hermetia illucens</i> protein improves the efficacy of poultry by-products in the culture of juvenile barramundi, <i>Lates calcarifer</i> . <i>Science of the Total Environment</i> , 2021, 796, 149045. | 3.9 | 19        |
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| 6468 | Effects of zymolytic black soldier fly ( <i>Hermetia illucens</i> ) pulp as dietary supplementation in largemouth bass ( <i>Micropterus salmoides</i> ). <i>Aquaculture Reports</i> , 2021, 21, 100823.   | 0.7 | 9         |
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| 6480 | Pathogenic hitchhiker diversity on international ships' ballast water at West Malaysia port. <i>Marine Pollution Bulletin</i> , 2021, 172, 112850.   | 2.3 | 13        |
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| 6490 | Meadow degradation increases spatial turnover rates of the fungal community through both niche selection and dispersal limitation. <i>Science of the Total Environment</i> , 2021, 798, 149362.  | 3.9 | 24        |

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| 6495 | Honey bee <i>Apis mellifera</i> larvae gut microbial and immune, detoxication responses towards flumethrin stress. <i>Environmental Pollution</i> , 2021, 290, 118107.   | 3.7 | 22        |
| 6496 | Pollution alters methanogenic and methanotrophic communities and increases dissolved methane in small ponds. <i>Science of the Total Environment</i> , 2021, 801, 149723.  | 3.9 | 8         |
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| 6508 | Oral seeding and niche-adaptation of middle ear biofilms in health. <i>Biofilm</i> , 2021, 3, 100041.  | 1.5 | 4         |

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| 6512 | Improvement of nitrogen and phosphorus availability by <i>Pseudoalteromonas</i> sp. during salt-washing in saline-alkali soil. <i>Applied Soil Ecology</i> , 2021, 168, 104117.  | 2.1 | 25        |
| 6513 | <i>Lycium barbarum</i> L. (goji berry) monocropping causes microbial diversity loss and induces <i>Fusarium</i> spp. enrichment at distinct soil layers. <i>Applied Soil Ecology</i> , 2021, 168, 104107.  | 2.1 | 17        |
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| 6525 | Adaption to hydrogen sulfide-rich environments: Strategies for active detoxification in deep-sea symbiotic mussels, <i>Gigantidas platifrons</i> . <i>Science of the Total Environment</i> , 2022, 804, 150054.  | 3.9 | 19        |
| 6526 | Comparative study of the anti-obesity and gut microbiota modulation effects of green tea phenolics and their oxidation products in high-fat-induced obese mice. <i>Food Chemistry</i> , 2022, 367, 130735.   | 4.2 | 24        |

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| 6527 | Tracking microeukaryotic footprint in a peri-urban watershed, China through machine-learning approaches. <i>Science of the Total Environment</i> , 2022, 806, 150401.  | 3.9 | 15        |
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| 6538 | Microbial community dynamics in a commercial RAS for production of Atlantic salmon fry ( <i>Salmo</i> Tj ETQq1 1 0.784314 rgBT <sub>g</sub> /Overload  | 1.7 | 1         |
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| 6542 | Floating plastics and their associated biota in the Western South Atlantic. <i>Science of the Total Environment</i> , 2022, 805, 150186.   | 3.9 | 22        |
| 6543 | Elevated CO <sub>2</sub> , warming, N addition, and increased precipitation affect different aspects of the arbuscular mycorrhizal fungal community. <i>Science of the Total Environment</i> , 2022, 806, 150522.  | 3.9 | 19        |
| 6544 | Insight to bacteria community response of organic management in apple orchard-bagasse fertilizer combined with biochar. <i>Chemosphere</i> , 2022, 286, 131693.  | 4.2 | 20        |



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| 10561 | Luminal and mucosa-associated caecal microbiota of chickens after experimental <i>Campylobacter jejuni</i> infection in the absence of <i>Campylobacter</i> -specific phages of group II and III. <i>Microbial Genomics</i> , 2022, 8, .                          | 1.0 | 0         |
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| 10588 | Response of soil microbial communities to natural radionuclides along specific-activity gradients. <i>Ecotoxicology and Environmental Safety</i> , 2022, 246, 114156.   | 2.9 | 6         |
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