

UPARSE: highly accurate OTU sequences from microbial

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Citation Report

#	ARTICLE	IF	CITATIONS
8	The Generation R Study: design and cohort update 2010. <i>European Journal of Epidemiology</i> , 2010, 25, 823-841.	5.7	516
9	Airborne Bacterial Communities in Residences: Similarities and Differences with Fungi. <i>PLoS ONE</i> , 2014, 9, e91283.	2.5	120
10	<i>Escherichia coli</i> O157:H7 Super-Shedder and Non-Shedder Feedlot Steers Harbour Distinct Fecal Bacterial Communities. <i>PLoS ONE</i> , 2014, 9, e98115.	2.5	45
11	Pros and Cons of Ion-Torrent Next Generation Sequencing versus Terminal Restriction Fragment Length Polymorphism T-RFLP for Studying the Rumen Bacterial Community. <i>PLoS ONE</i> , 2014, 9, e101435.	2.5	63
12	Snow Surface Microbiome on the High Antarctic Plateau (DOME C). <i>PLoS ONE</i> , 2014, 9, e104505.	2.5	45
13	Illumina Amplicon Sequencing of 16S rRNA Tag Reveals Bacterial Community Development in the Rhizosphere of Apple Nurseries at a Replant Disease Site and a New Planting Site. <i>PLoS ONE</i> , 2014, 9, e111744.	2.5	109
14	IM-TORNADO: A Tool for Comparison of 16S Reads from Paired-End Libraries. <i>PLoS ONE</i> , 2014, 9, e114804.	2.5	110
15	Zooplankton diversity across three Red Sea reefs using pyrosequencing. <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	37
17	Diet and exercise orthogonally alter the gut microbiome and reveal independent associations with anxiety and cognition. <i>Molecular Neurodegeneration</i> , 2014, 9, 36.	10.8	250
18	LotuS: an efficient and user-friendly OTU processing pipeline. <i>Microbiome</i> , 2014, 2, 30.	11.1	233
19	In-depth analyses of deep subsurface sediments using 454-pyrosequencing reveals a reservoir of buried fungal communities at record-breaking depths. <i>FEMS Microbiology Ecology</i> , 2014, 90, 908-921.	2.7	40
20	Intestinal microbiota in metabolic diseases. <i>Gut Microbes</i> , 2014, 5, 544-551.	9.8	170
21	Soil bacterial community structure remains stable over a 5-year chronosequence of insect-induced tree mortality. <i>Frontiers in Microbiology</i> , 2014, 5, 681.	3.5	26
22	Prolonged use of a proton pump inhibitor reduces microbial diversity: implications for <i>Clostridium difficile</i> susceptibility. <i>Microbiome</i> , 2014, 2, 42.	11.1	128
23	Fast dendrogram-based OTU clustering using sequence embedding. , 2014, , .		3
24	Repair of Site-Specific DNA Double-Strand Breaks in Barley Occurs via Diverse Pathways Primarily Involving the Sister Chromatid. <i>Plant Cell</i> , 2014, 26, 2156-2167.	6.6	55
25	Diet and Feeding Pattern Affect the Diurnal Dynamics of the Gut Microbiome. <i>Cell Metabolism</i> , 2014, 20, 1006-1017.	16.2	655
26	Evaluation of six primer pairs targeting the nuclear rRNA operon for characterization of arbuscular mycorrhizal fungal (AMF) communities using 454 pyrosequencing. <i>Journal of Microbiological Methods</i> , 2014, 106, 93-100.	1.6	115

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28	SÅ©ance: reference-based phylogenetic analysis for 18S rRNA studies. <i>BMC Evolutionary Biology</i> , 2014, 14, 235.	3.2	8
29	Alcohol and tobacco consumption affects bacterial richness in oral cavity mucosa biofilms. <i>BMC Microbiology</i> , 2014, 14, 250.	3.3	71
30	A large volume particulate and water multi-sampler with in situ preservation for microbial and biogeochemical studies. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 94, 195-206.	1.4	49
31	Microbial Diversity in Hummock and Hollow Soils of Three Wetlands on the Qinghai-Tibetan Plateau Revealed by 16S rRNA Pyrosequencing. <i>PLoS ONE</i> , 2014, 9, e103115.	2.5	54
32	Intestinal microbiota of preterm infants differ over time and between hospitals. <i>Microbiome</i> , 2014, 2, 36.	11.1	58
33	Multiple ITS Haplotypes in the Genome of the Lichenized Basidiomycete <i>Cora inversa</i> (Hygrophoraceae): Fact or Artifact?. <i>Journal of Molecular Evolution</i> , 2014, 78, 148-162.	1.8	31
34	Composition of Archaea in Seawater, Sediment, and Sponges in the Kepulauan Seribu Reef System, Indonesia. <i>Microbial Ecology</i> , 2014, 67, 553-567.	2.8	51
35	Why are some microbes more ubiquitous than others? Predicting the habitat breadth of soil bacteria. <i>Ecology Letters</i> , 2014, 17, 794-802.	6.4	243
36	Natural soil microbes alter flowering phenology and the intensity of selection on flowering time in a wild <i>Arabidopsis</i> relative. <i>Ecology Letters</i> , 2014, 17, 717-726.	6.4	266
37	Whole-genome sequencing of the snub-nosed monkey provides insights into folivory and evolutionary history. <i>Nature Genetics</i> , 2014, 46, 1303-1310.	21.4	174
38	Integration of Clustering and Multidimensional Scaling to Determine Phylogenetic Trees as Spherical Phylograms Visualized in 3 Dimensions. , 2014, , .		7
39	An Illumina metabarcoding pipeline for fungi. <i>Ecology and Evolution</i> , 2014, 4, 2642-2653.	1.9	107
40	Biogeographic patterns in below-ground diversity in New York City's Central Park are similar to those observed globally. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141988.	2.6	295
41	Tongue images and tongue coating microbiome in patients with colorectal cancer. <i>Microbial Pathogenesis</i> , 2014, 77, 1-6.	2.9	40
42	From barcoding single individuals to metabarcoding biological communities: towards an integrative approach to the study of global biodiversity. <i>Trends in Ecology and Evolution</i> , 2014, 29, 566-571.	8.7	350
43	Gammaproteobacterial Methanotrophs Dominate Cold Methane Seeps in Floodplains of West Siberian Rivers. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5944-5954.	3.1	27
44	Characterization of the intestinal microbiota in Pacific white shrimp, <i>Litopenaeus vannamei</i> , fed diets with different lipid sources. <i>Aquaculture</i> , 2014, 434, 449-455.	3.5	163

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45	Data analysis for 16S microbial profiling from different benchtop sequencing platforms. Journal of Microbiological Methods, 2014, 107, 30-37.	1.6	221
46	A20 controls intestinal homeostasis through cell-specific activities. Nature Communications, 2014, 5, 5103.	12.8	109
47	Correlation between the human fecal microbiota and depression. Neurogastroenterology and Motility, 2014, 26, 1155-1162.	3.0	765
48	High-throughput sequencing shows inconsistent results with a microscope-based analysis of the soil prokaryotic community. Soil Biology and Biochemistry, 2014, 76, 53-56.	8.8	13
49	Assessing impacts of unconventional natural gas extraction on microbial communities in headwater stream ecosystems in Northwestern Pennsylvania. Frontiers in Microbiology, 2014, 5, 522.	3.5	58
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55	TL1A regulates TCR α intraepithelial lymphocytes and gut microbial composition. European Journal of Immunology, 2015, 45, 865-875.	2.9	23
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57	Population Structure of Endomicrobia in Single Host Cells of Termite Gut Flagellates (<i>Trichonympha</i> spp.). Microbes and Environments, 2015, 30, 92-98.	1.6	29
58	Probiotics modify human intestinal mucosa-associated microbiota in patients with colorectal cancer. Molecular Medicine Reports, 2015, 12, 6119-6127.	2.4	83
59	Dietary silver nanoparticles can disturb the gut microbiota in mice. Particle and Fibre Toxicology, 2015, 13, 38.	6.2	133
60	Exometabolite niche partitioning among sympatric soil bacteria. Nature Communications, 2015, 6, 8289.	12.8	178
61	Diversity and distribution of fungal communities in the marine sediments of Kongsfjorden, Svalbard (High Arctic). Scientific Reports, 2015, 5, 14524.	3.3	80
62	A Comprehensive, Automatically Updated Fungal ITS Sequence Dataset for Reference-Based Chimera Control in Environmental Sequencing Efforts. Microbes and Environments, 2015, 30, 145-150.	1.6	231

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64	MICCA: a complete and accurate software for taxonomic profiling of metagenomic data. <i>Scientific Reports</i> , 2015, 5, 9743.	3.3	228
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70	Climatic warming and the future of bison as grazers. <i>Scientific Reports</i> , 2015, 5, 16738.	3.3	72
71	Inhibition of the endosymbiont – <i>Candidatus</i> Midichloria mitochondrii– during 16S rRNA gene profiling reveals potential pathogens in Ixodes ticks from Australia. <i>Parasites and Vectors</i> , 2015, 8, 345.	2.5	95
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91	Soil bacterial and fungal community responses to nitrogen addition across soil depth and microhabitat in an arid shrubland. <i>Frontiers in Microbiology</i> , 2015, 6, 891.	3.5	127
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94	Effects of sludge inoculum and organic feedstock on active microbial communities and methane yield during anaerobic digestion. <i>Frontiers in Microbiology</i> , 2015, 6, 1114.	3.5	40
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137	No difference in small bowel microbiota between patients with irritable bowel syndrome and healthy controls. Scientific Reports, 2015, 5, 8508.	3.3	66
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630	Ecological succession reveals potential signatures of marineâ€“terrestrial transition in salt marsh fungal communities. <i>ISME Journal</i> , 2016, 10, 1984-1997.	9.8	76
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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.	1.1	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.	3.9	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.	4.2	79
1084	Sewers as potential reservoirs of antibiotic resistance. <i>Science of the Total Environment</i> , 2017, 605-606, 1047-1054.	8.0	99
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1086	Diversity and stability of coral endolithic microbial communities at a naturally high pCO_2 reef. <i>Molecular Ecology</i> , 2017, 26, 5344-5357.	3.9	43
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1088	PCR cycles above routine numbers do not compromise high-throughput DNA barcoding results. <i>Genome</i> , 2017, 60, 868-873.	2.0	26
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1093	Hidden biofilms in a far northern lake and implications for the changing Arctic. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 17.	6.4	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.	8.8	216
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1223	Remediation of acid mine drainage using microbial fuel cell based on sludge anaerobic fermentation. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2400-2409.	2.2	20
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1232	Diversity is the question, not the answer. <i>ISME Journal</i> , 2017, 11, 1-6.	9.8	358
1233	Household siblings and nasal and fecal microbiota in infants. <i>Pediatrics International</i> , 2017, 59, 473-481.	0.5	32
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1247	Upper and lower respiratory tract microbiota in horses: bacterial communities associated with health and mild asthma (inflammatory airway disease) and effects of dexamethasone. <i>BMC Microbiology</i> , 2017, 17, 184.	3.3	49
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1255	Dynamics of coral-associated bacterial communities acclimated to temperature stress based on recent thermal history. <i>Scientific Reports</i> , 2017, 7, 14933.	3.3	36
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1279	Microbial Community Structure and Interannual Change in the Last Epishelf Lake Ecosystem in the North Polar Region. <i>Frontiers in Marine Science</i> , 2017, 3, .	2.5	21
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1281	A New Approach to Modify Plant Microbiomes and Traits by Introducing Beneficial Bacteria at Flowering into Progeny Seeds. <i>Frontiers in Microbiology</i> , 2017, 8, 11.	3.5	313
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1292	The Effect of Increased Loads of Dissolved Organic Matter on Estuarine Microbial Community Composition and Function. <i>Frontiers in Microbiology</i> , 2017, 8, 351.	3.5	119
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1297	Bacterial and Fungal Community Structures in Loess Plateau Grasslands with Different Grazing Intensities. <i>Frontiers in Microbiology</i> , 2017, 8, 606.	3.5	130
1298	Bioreactor Scalability: Laboratory-Scale Bioreactor Design Influences Performance, Ecology, and Community Physiology in Expanded Granular Sludge Bed Bioreactors. <i>Frontiers in Microbiology</i> , 2017, 8, 664.	3.5	36
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1315	Spatial and Temporal Microbial Patterns in a Tropical Macrotidal Estuary Subject to Urbanization. <i>Frontiers in Microbiology</i> , 2017, 8, 1313.	3.5	31
1316	Fertilization Shapes Bacterial Community Structure by Alteration of Soil pH. <i>Frontiers in Microbiology</i> , 2017, 8, 1325.	3.5	183
1317	Bacterial Community Associated with Healthy and Diseased Pacific White Shrimp (<i>Litopenaeus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 8, 1362.	3.5	105
1318	Bacteria Associated to Plants Naturally Selected in a Historical PCB Polluted Soil Show Potential to Sustain Natural Attenuation. <i>Frontiers in Microbiology</i> , 2017, 8, 1385.	3.5	33
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1320	Crop Establishment Practices Are a Driver of the Plant Microbiota in Winter Oilseed Rape (<i>Brassica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 8, 1461.	3.5	34
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1326	Strain Level Streptococcus Colonization Patterns during the First Year of Life. <i>Frontiers in Microbiology</i> , 2017, 8, 1661.	3.5	10
1327	The Maturing Development of Gut Microbiota in Commercial Piglets during the Weaning Transition. <i>Frontiers in Microbiology</i> , 2017, 8, 1688.	3.5	260
1328	From the Surface to the Deep-Sea: Bacterial Distributions across Polymetallic Nodule Fields in the Clarion-Clipperton Zone of the Pacific Ocean. <i>Frontiers in Microbiology</i> , 2017, 8, 1696.	3.5	54
1329	Prophylactic Supplementation of Bifidobacterium longum 51A Protects Mice from Ovariectomy-Induced Exacerbated Allergic Airway Inflammation and Airway Hyperresponsiveness. <i>Frontiers in Microbiology</i> , 2017, 8, 1732.	3.5	27

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1331	The Microbiome of <i>Seriola lalandi</i> of Wild and Aquaculture Origin Reveals Differences in Composition and Potential Function. <i>Frontiers in Microbiology</i> , 2017, 8, 1844.	3.5	65
1332	Patterns and Processes in Marine Microeukaryotic Community Biogeography from Xiamen Coastal Waters and Intertidal Sediments, Southeast China. <i>Frontiers in Microbiology</i> , 2017, 8, 1912.	3.5	108
1333	<i>Myriophyllum aquaticum</i> Constructed Wetland Effectively Removes Nitrogen in Swine Wastewater. <i>Frontiers in Microbiology</i> , 2017, 8, 1932.	3.5	44
1334	Genomic GC-Content Affects the Accuracy of 16S rRNA Gene Sequencing Based Microbial Profiling due to PCR Bias. <i>Frontiers in Microbiology</i> , 2017, 8, 1934.	3.5	66
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1336	Cadaver Thanatomicrobiome Signatures: The Ubiquitous Nature of <i>Clostridium</i> Species in Human Decomposition. <i>Frontiers in Microbiology</i> , 2017, 8, 2096.	3.5	61
1337	Microbial Diversity and Community Structure of Sulfate-Reducing and Sulfur-Oxidizing Bacteria in Sediment Cores from the East China Sea. <i>Frontiers in Microbiology</i> , 2017, 8, 2133.	3.5	53
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1339	An Integrated Insight into the Relationship between Soil Microbial Community and Tobacco Bacterial Wilt Disease. <i>Frontiers in Microbiology</i> , 2017, 8, 2179.	3.5	108
1340	Gut Microbial Dysbiosis Is Associated with Altered Hepatic Functions and Serum Metabolites in Chronic Hepatitis B Patients. <i>Frontiers in Microbiology</i> , 2017, 8, 2222.	3.5	172
1341	Low Microbial Diversity and Abnormal Microbial Succession Is Associated with Necrotizing Enterocolitis in Preterm Infants. <i>Frontiers in Microbiology</i> , 2017, 8, 2243.	3.5	72
1342	The Gut Entomotype of Red Palm Weevil <i>Rhynchophorus ferrugineus</i> Olivier (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 267 Td 2291.	3.5	96
1343	Bacterial Community Dynamics in Dichloromethane-Contaminated Groundwater Undergoing Natural Attenuation. <i>Frontiers in Microbiology</i> , 2017, 8, 2300.	3.5	23
1344	Balanced Fertilization Decreases Environmental Filtering on Soil Bacterial Community Assemblage in North China. <i>Frontiers in Microbiology</i> , 2017, 8, 2376.	3.5	44
1345	Natural Selection in Synthetic Communities Highlights the Roles of <i>Methylococcaceae</i> and <i>Methylophilaceae</i> and Suggests Differential Roles for Alternative Methanol Dehydrogenases in Methane Consumption. <i>Frontiers in Microbiology</i> , 2017, 8, 2392.	3.5	51
1346	EPSP of <i>L. casei</i> BL23 Protected against the Infection Caused by <i>Aeromonas veronii</i> via Enhancement of Immune Response in Zebrafish. <i>Frontiers in Microbiology</i> , 2017, 8, 2406.	3.5	28
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1350	Succession of Bacterial Communities in a Seasonally Stratified Lake with an Anoxic and Sulfidic Hypolimnion. <i>Frontiers in Microbiology</i> , 2017, 8, 2511.	3.5	50
1351	Glyphosate Shapes a Dinoflagellate-Associated Bacterial Community While Supporting Algal Growth as Sole Phosphorus Source. <i>Frontiers in Microbiology</i> , 2017, 8, 2530.	3.5	42
1352	Patterns and Drivers of Vertical Distribution of the Ciliate Community from the Surface to the Abyssopelagic Zone in the Western Pacific Ocean. <i>Frontiers in Microbiology</i> , 2017, 8, 2559.	3.5	37
1353	Analysis of Microbial Diversity in Soil under Ginger Cultivation. <i>Scientifica</i> , 2017, 2017, 1-4.	1.7	8
1354	L-Glutamine Supplementation Alleviates Constipation during Late Gestation of Mini Sows by Modifying the Microbiota Composition in Feces. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	28
1355	Effects of <i>Achyrocline satureioides</i> Inflorescence Extracts against Pathogenic Intestinal Bacteria: Chemical Characterization, In Vitro Tests, and In Vivo Evaluation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-10.	1.2	4
1356	Analysis of the Bacterial Communities in Two Liquors of Soy Sauce Aroma as Revealed by High-Throughput Sequencing of the 16S rRNA V4 Hypervariable Region. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	16
1357	Gut Microbiome and Inflammation: A Study of Diabetic Inflammasome-Knockout Mice. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-5.	2.3	22
1358	Bacterial diversity and community structure in lettuce soil are shifted by cultivation time. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
1359	Evaluating the Impact of DNA Extraction Method on the Representation of Human Oral Bacterial and Fungal Communities. <i>PLoS ONE</i> , 2017, 12, e0169877.	2.5	115
1360	Novel Primer Sets for Next Generation Sequencing-Based Analyses of Water Quality. <i>PLoS ONE</i> , 2017, 12, e0170008.	2.5	8
1361	Community-level physiological profiling analyses show potential to identify the copiotrophic bacteria present in soil environments. <i>PLoS ONE</i> , 2017, 12, e0171638.	2.5	66
1362	Effects of dietary nutrient levels on microbial community composition and diversity in the ileal contents of pregnant Huanjiang mini-pigs. <i>PLoS ONE</i> , 2017, 12, e0172086.	2.5	28
1363	Characterization of bacterial community associated with phytoplankton bloom in a eutrophic lake in South Norway using 16S rRNA gene amplicon sequence analysis. <i>PLoS ONE</i> , 2017, 12, e0173408.	2.5	85
1364	Improvement of identification methods for honeybee specific Lactic Acid Bacteria; future approaches. <i>PLoS ONE</i> , 2017, 12, e0174614.	2.5	16
1365	Tuber indicum shapes the microbial communities of ectomycorrhizosphere soil and ectomycorrhizae of an indigenous tree (<i>Pinus armandii</i>). <i>PLoS ONE</i> , 2017, 12, e0175720.	2.5	25

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1367	Evaluation of the reproducibility of amplicon sequencing with Illumina MiSeq platform. PLoS ONE, 2017, 12, e0176716.	2.5	107
1368	Variation between the oral and faecal microbiota in a free-living passerine bird, the great tit (<i>Parus</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.5	24
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1370	Natural and artificial feeding management before weaning promote different rumen microbial colonization but not differences in gene expression levels at the rumen epithelium of newborn goats. PLoS ONE, 2017, 12, e0182235.	2.5	39
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1428	Dietary lipid levels could improve growth and intestinal microbiota of juvenile swimming crab, <i>Portunus trituberculatus</i> . <i>Aquaculture</i> , 2018, 490, 208-216.	3.5	65
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1433	Dog introduction alters the home dust microbiota. <i>Indoor Air</i> , 2018, 28, 539-547.	4.3	46
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1436	Prenatal androgen exposure causes hypertension and gut microbiota dysbiosis. <i>Gut Microbes</i> , 2018, 9, 1-22.	9.8	85
1437	Alimentary microbes of winter-form <i>Drosophila suzukii</i> . <i>Insect Molecular Biology</i> , 2018, 27, 383-392.	2.0	25
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1443	Large Blooms of <i>Bacillales</i> (<i>Firmicutes</i>) Underlie the Response to Wetting of Cyanobacterial Biocrusts at Various Stages of Maturity. <i>MBio</i> , 2018, 9, .	4.1	28
1444	Featured article: Structure moderation of gut microbiota in liraglutide-treated diabetic male rats. <i>Experimental Biology and Medicine</i> , 2018, 243, 34-44.	2.4	56
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1448	Functional groups of soil fungi decline under grazing. <i>Plant and Soil</i> , 2018, 426, 51-60.	3.7	33
1449	Variations of the <i>nirS</i> -, <i>nirK</i> -, and <i>nosZ</i> -denitrifying bacterial communities in a northern Chinese soil as affected by different long-term irrigation regimes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14057-14067.	5.3	57
1450	The effect of electron donors on the dechlorination of pentachlorophenol (PCP) and prokaryotic diversity in paddy soil. <i>European Journal of Soil Biology</i> , 2018, 86, 8-15.	3.2	16
1451	Updating the 97% identity threshold for 16S ribosomal RNA OTUs. <i>Bioinformatics</i> , 2018, 34, 2371-2375.	4.1	513
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1455	The gut microbiota and immune checkpoint inhibitors. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 2178-2182.	3.3	28
1456	Differences in gut microbiota composition in finishing Landrace pigs with low and high feed conversion ratios. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1673-1685.	1.7	41
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1459	One-time phosphate fertilizer application to grassland columns modifies the soil microbiota and limits its role in ecosystem services. <i>Science of the Total Environment</i> , 2018, 630, 849-858.	8.0	87
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1465	Optimization and performance testing of a sequence processing pipeline applied to detection of nonindigenous species. <i>Evolutionary Applications</i> , 2018, 11, 891-905.	3.1	23
1466	Fecal microbial composition associated with variation in feed efficiency in pigs depends on diet and sex1. <i>Journal of Animal Science</i> , 2018, 96, 1405-1418.	0.5	50
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1469	A combination of <i>Lactobacillus mali</i> APS1 and dieting improved the efficacy of obesity treatment via manipulating gut microbiome in mice. <i>Scientific Reports</i> , 2018, 8, 6153.	3.3	31
1470	Comprehensive comparison of polysaccharides from <i>Ganoderma lucidum</i> and <i>G. sinense</i> : chemical, antitumor, immunomodulating and gut-microbiota modulatory properties. <i>Scientific Reports</i> , 2018, 8, 6172.	3.3	62
1471	Pinewood nematode infection alters root mycoflora of <i>Pinus tabulaeformis</i> Carr. <i>Journal of Applied Microbiology</i> , 2018, 125, 554-563.	3.1	9
1472	Impact of gut colonization with butyrate producing microbiota on respiratory viral infection following allo-HCT. <i>Blood</i> , 2018, 131, blood-2018-01-828996.	1.4	155
1473	Next-Generation Sequencing and Data Analysis. , 2018, , 191-207.		5
1474	Microarthropods influence the composition of rhizospheric fungal communities by stimulating specific taxa. <i>Soil Biology and Biochemistry</i> , 2018, 122, 120-130.	8.8	15
1475	Dietary <i>Clostridium butyricum</i> Induces a Phased Shift in Fecal Microbiota Structure and Increases the Acetic Acid-Producing Bacteria in a Weaned Piglet Model. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5157-5166.	5.2	79

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1477	Competition and habitat filtering jointly explain phylogenetic structure of soil bacterial communities across elevational gradients. <i>Environmental Microbiology</i> , 2018, 20, 2386-2396.	3.8	26
1478	Diversity of herbaceous plants and bacterial communities regulates soil resistome across forest biomes. <i>Environmental Microbiology</i> , 2018, 20, 3186-3200.	3.8	55
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1487	The ecology and diversity of microbial eukaryotes in geothermal springs. <i>ISME Journal</i> , 2018, 12, 1918-1928.	9.8	42
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1489	Changes in intestinal microbiota across an altitudinal gradient in the lizard <i>Phrynocephalus vlangalii</i> . <i>Ecology and Evolution</i> , 2018, 8, 4695-4703.	1.9	51
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1495	Large buoyant particles dominated by cyanobacterial colonies harbor distinct bacterial communities from small suspended particles and free-living bacteria in the water column. <i>MicrobiologyOpen</i> , 2018, 7, e00608.	3.0	7
1496	Dynamics of bacterial composition and the fate of antibiotic resistance genes and mobile genetic elements during the co-composting with gentamicin fermentation residue and lovastatin fermentation residue. <i>Bioresource Technology</i> , 2018, 261, 249-256.	9.6	65
1497	Presence of <i>Aedes</i> and <i>Anopheles</i> mosquito larvae is correlated to bacteria found in domestic water-storage containers. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	32
1498	Rumen bacterial community structure impacts feed efficiency in beef cattle. <i>Journal of Animal Science</i> , 2018, 96, 1045-1058.	0.5	71
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1502	Fecal microbiome signatures are different in food-allergic children compared to siblings and healthy children. <i>Pediatric Allergy and Immunology</i> , 2018, 29, 545-554.	2.6	62
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1506	Feeding-Related Gut Microbial Composition Associates With Peripheral T-Cell Activation and Mucosal Gene Expression in African Infants. <i>Clinical Infectious Diseases</i> , 2018, 67, 1237-1246.	5.8	31
1507	Gut-dependent microbial translocation induces inflammation and cardiovascular events after ST-elevation myocardial infarction. <i>Microbiome</i> , 2018, 6, 66.	11.1	185
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1514	Oral insulin does not alter gut microbiota composition of NOD mice. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e3010.	4.0	5
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1516	Next-generation sequencing showing potential leachate influence on bacterial communities around a landfill in China. <i>Canadian Journal of Microbiology</i> , 2018, 64, 537-549.	1.7	14
1517	Temperature sensitivity of soil respiration to nitrogen and phosphorous fertilization: Does soil initial fertility matter?. <i>Geoderma</i> , 2018, 325, 172-182.	5.1	26
1518	Understanding the digestibility and nutritional functions of rice starch subjected to heat-moisture treatment. <i>Journal of Functional Foods</i> , 2018, 45, 165-172.	3.4	32
1519	Responses of bacterial community to dibutyl phthalate pollution in a soil-vegetable ecosystem. <i>Journal of Hazardous Materials</i> , 2018, 353, 142-150.	12.4	104
1520	Stool and urine trefoil factor 3 levels: associations with symptoms, intestinal permeability, and microbial diversity in irritable bowel syndrome. <i>Beneficial Microbes</i> , 2018, 9, 345-355.	2.4	15
1521	Direct comparison of culture-dependent and culture-independent molecular approaches reveal the diversity of fungal endophytic communities in stems of grapevine (<i>Vitis vinifera</i>). <i>Fungal Diversity</i> , 2018, 90, 85-107.	12.3	143
1522	Long-term fertilisation form, level and duration affect the diversity, structure and functioning of soil microbial communities in the field. <i>Soil Biology and Biochemistry</i> , 2018, 122, 91-103.	8.8	134
1523	Warming differentially altered multidimensional soil legacy induced by past land use history. <i>Scientific Reports</i> , 2018, 8, 1546.	3.3	5
1524	Obtaining high-quality draft genomes from uncultured microbes by cleaning and co-assembly of single-cell amplified genomes. <i>Scientific Reports</i> , 2018, 8, 2059.	3.3	48
1525	Diversity and metabolic potential of the microbiota associated with a soil arthropod. <i>Scientific Reports</i> , 2018, 8, 2491.	3.3	39
1526	Feedstock determines biochar-induced soil priming effects by stimulating the activity of specific microorganisms. <i>European Journal of Soil Science</i> , 2018, 69, 521-534.	3.9	112
1527	Investigating antibiotics, antibiotic resistance genes, and microbial contaminants in groundwater in relation to the proximity of urban areas. <i>Environmental Pollution</i> , 2018, 236, 734-744.	7.5	219
1528	A comparative hierarchical analysis of bacterioplankton and biofilm metacommunity structure in an interconnected pond system. <i>Environmental Microbiology</i> , 2018, 20, 1271-1282.	3.8	3
1529	Response of goose intestinal microflora to the source and level of dietary fiber. <i>Poultry Science</i> , 2018, 97, 2086-2094.	3.4	11

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1530	Unexpected mixed-mode transmission and moderate genetic regulation of Symbiodinium communities in a brooding coral. <i>Heredity</i> , 2018, 121, 524-536.	2.6	53
1531	A High-Throughput Approach for Identification of Nontuberculous Mycobacteria in Drinking Water Reveals Relationship between Water Age and <i>Mycobacterium avium</i> . <i>MBio</i> , 2018, 9, .	4.1	54
1532	Taxonomic structure and function of seed-inhabiting bacterial microbiota from common reed (<i>Phragmites australis</i>) and narrowleaf cattail (<i>Typha angustifolia</i> L.). <i>Archives of Microbiology</i> , 2018, 200, 869-876.	2.2	11
1533	Hemolymph Microbiomes of Three Aquatic Invertebrates as Revealed by a New Cell Extraction Method. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	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.	2.8	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.	2.6	9
1536	Prevalence of quinolone resistance genes, copper resistance genes, and the bacterial communities in a soil-ryegrass system co-polluted with copper and ciprofloxacin. <i>Chemosphere</i> , 2018, 197, 643-650.	8.2	17
1537	Effects of different fertilizers on methane emissions and methanogenic community structures in paddy rhizosphere soil. <i>Science of the Total Environment</i> , 2018, 627, 770-781.	8.0	90
1538	Characterization of soil bacterial, archaeal and fungal communities inhabiting archaeological human-impacted layers at Monte Iato settlement (Sicily, Italy). <i>Scientific Reports</i> , 2018, 8, 1903.	3.3	33
1539	The effect of temperature on the microbial communities of peak biogas production in batch biogas reactors. <i>Renewable Energy</i> , 2018, 123, 15-25.	8.9	56
1540	Endophytic bacterial diversity decrease in amaranth mutant lines after radiation mutagenesis. <i>Cereal Chemistry</i> , 2018, 95, 109-116.	2.2	5
1541	Optimal extraction methods for the simultaneous analysis of <i>scp</i> DNA from diverse organisms and sample types. <i>Molecular Ecology Resources</i> , 2018, 18, 557-569.	4.8	65
1542	Effects of oak, beech and spruce on the distribution and community structure of fungi in litter and soils across a temperate forest. <i>Soil Biology and Biochemistry</i> , 2018, 119, 162-173.	8.8	59
1543	Strain Tracking Reveals the Determinants of Bacterial Engraftment in the Human Gut Following Fecal Microbiota Transplantation. <i>Cell Host and Microbe</i> , 2018, 23, 229-240.e5.	11.0	292
1544	Microbiota changes impact on sexually transmitted infections and the development of pelvic inflammatory disease. <i>Microbes and Infection</i> , 2018, 20, 505-511.	1.9	12
1545	Emissions of biogenic volatile organic compounds from arctic shrub litter are coupled with changes in the bacterial community composition. <i>Soil Biology and Biochemistry</i> , 2018, 120, 80-90.	8.8	24
1546	Antibiotic resistome in landfill leachate from different cities of China deciphered by metagenomic analysis. <i>Water Research</i> , 2018, 134, 126-139.	11.3	138
1547	Airborne microbial communities in the atmospheric environment of urban hospitals in China. <i>Journal of Hazardous Materials</i> , 2018, 349, 10-17.	12.4	73

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1548	Bioaugmentation of sidestream nitrifying-denitrifying phosphorus-accumulating granules in a low-SRT activated sludge system at low temperature. <i>Water Research</i> , 2018, 135, 241-250.	11.3	46
1549	Circulating plasmablasts are elevated and produce pathogenic anti-endothelial cell autoantibodies in idiopathic pulmonary arterial hypertension. <i>European Journal of Immunology</i> , 2018, 48, 874-884.	2.9	31
1550	Alterations of oral microbiota distinguish children with autism spectrum disorders from healthy controls. <i>Scientific Reports</i> , 2018, 8, 1597.	3.3	118
1551	Seminal bacterial composition in patients with obstructive and non-obstructive azoospermia. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 2884-2890.	1.8	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.	2.7	37
1553	p-Coumaric can alter the composition of cucumber rhizosphere microbial communities and induce negative plant-microbial interactions. <i>Biology and Fertility of Soils</i> , 2018, 54, 363-372.	4.3	83
1554	A natively paired antibody library yields drug leads with higher sensitivity and specificity than a randomly paired antibody library. <i>MAbs</i> , 2018, 10, 431-443.	5.2	28
1555	Short-Term Overfeeding with Dairy Cream Does Not Modify Gut Permeability, the Fecal Microbiota, or Glucose Metabolism in Young Healthy Men. <i>Journal of Nutrition</i> , 2018, 148, 77-85.	2.9	10
1556	Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice. <i>Food and Function</i> , 2018, 9, 1612-1620.	4.6	70
1557	A large-scale field study of bacterial communities in cereal aphid populations across Morocco. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	22
1558	HFE Genotype Restricts the Response to Paraquat in a Mouse Model of Neurotoxicity. <i>Journal of Neurochemistry</i> , 2018, 145, 299-311.	3.9	19
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.	4.6	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.	1.7	21
1561	A global atlas of the dominant bacteria found in soil. <i>Science</i> , 2018, 359, 320-325.	12.6	1,386
1562	Kudingcha and Fuzhuan Brick Tea Prevent Obesity and Modulate Gut Microbiota in High-Fat Diet Fed Mice. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700485.	3.3	161
1563	Screening of a microbial consortium for selective degradation of lignin from tree trimmings. <i>Bioresource Technology</i> , 2018, 254, 247-255.	9.6	48
1564	Drylands soil bacterial community is affected by land use change and different irrigation practices in the Mezquital Valley, Mexico. <i>Scientific Reports</i> , 2018, 8, 1413.	3.3	58
1565	Spatial patterns of pathogenic and mutualistic fungi across the elevational range of a host plant. <i>Journal of Ecology</i> , 2018, 106, 1545-1557.	4.0	25

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1566	Research Agenda for Microbiome Based Research for Multidrug-resistant Organism Prevention in the Veterans Health Administration System. <i>Infection Control and Hospital Epidemiology</i> , 2018, 39, 202-209.	1.8	2
1567	Response of soil microbial communities to red mud-based stabilizer remediation of cadmium-contaminated farmland. <i>Environmental Science and Pollution Research</i> , 2018, 25, 11661-11669.	5.3	16
1568	Rampant Host Switching Shaped the Termite Gut Microbiome. <i>Current Biology</i> , 2018, 28, 649-654.e2.	3.9	101
1569	The impact of reconstructed soils following oil sands exploitation on aspen and its associated belowground microbiome. <i>Scientific Reports</i> , 2018, 8, 2761.	3.3	11
1570	Distribution Patterns of Microbial Community Structure Along a 7000-Mile Latitudinal Transect from the Mediterranean Sea Across the Atlantic Ocean to the Brazilian Coastal Sea. <i>Microbial Ecology</i> , 2018, 76, 592-609.	2.8	35
1571	Cropping practices manipulate abundance patterns of root and soil microbiome members paving the way to smart farming. <i>Microbiome</i> , 2018, 6, 14.	11.1	399
1572	Management regime is the most important factor influencing ectomycorrhizal species community in Norway spruce forests after windthrow. <i>Mycorrhiza</i> , 2018, 28, 221-233.	2.8	18
1573	Succession of microbial communities and changes of incremental oil in a post-polymer flooded reservoir with nutrient stimulation. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2007-2017.	3.6	22
1574	Dominant plant species shape soil bacterial community in semiarid sandy land of northern China. <i>Ecology and Evolution</i> , 2018, 8, 1693-1704.	1.9	31
1575	Ectomycorrhization of <i>Tricholoma matsutake</i> with <i>Quercus aquifolioides</i> affects the endophytic microbial community of host plant. <i>Journal of Basic Microbiology</i> , 2018, 58, 238-246.	3.3	5
1576	Investigating Fish Larvae-Microbe Interactions in the 21st Century: Old Questions Studied with New Tools. , 2018, , 1-35.		7
1577	Differences in soil fungal assemblages associated with native and non-native tree species of varying weediness. <i>Biological Invasions</i> , 2018, 20, 891-904.	2.4	2
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.	3.9	35
1579	Food Storage by the Savanna Termite <i>Cornitermes cumulans</i> (Syntermitinae): a Strategy to Improve Hemicellulose Digestibility?. <i>Microbial Ecology</i> , 2018, 76, 492-505.	2.8	12
1580	Long-term and legacy effects of manure application on soil microbial community composition. <i>Biology and Fertility of Soils</i> , 2018, 54, 269-283.	4.3	82
1581	Insights into Feast-Famine polyhydroxyalkanoate (PHA)-producer selection: Microbial community succession, relationships with system function and underlying driving forces. <i>Water Research</i> , 2018, 131, 167-176.	11.3	89
1582	Correlation between gut microbiota and personality in adults: A cross-sectional study. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 374-385.	4.1	69
1583	Succession of Fungal and Oomycete Communities in Glyphosate-Killed Wheat Roots. <i>Phytopathology</i> , 2018, 108, 582-594.	2.2	10

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1585	Dysbiosis Signatures of Gut Microbiota Along the Sequence from Healthy, Young Patients to Those with Overweight and Obesity. <i>Obesity</i> , 2018, 26, 351-361.	3.0	155
1586	Bacterial rather than fungal community composition is associated with microbial activities and nutrient-use efficiencies in a paddy soil with short-term organic amendments. <i>Plant and Soil</i> , 2018, 424, 335-349.	3.7	88
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.	5.3	57
1588	Microbial community changes induced by uranyl nitrate in bentonite clay microcosms. <i>Applied Clay Science</i> , 2018, 160, 206-216.	5.2	18
1589	A novel Ehrlichia species in blood and Ixodes ornithorhynchi ticks from platypuses (Ornithorhynchus) Tj ETQq1 1 0.784314 rgBT /Overdo	2.7	23
1590	Oral administration of liquid iron preparation containing excess iron induces intestine and liver injury, impairs intestinal barrier function and alters the gut microbiota in rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 47, 12-20.	3.0	52
1591	Opportunities and risks of biofertilization for leek production in urban areas: Influence on both fungal diversity and human bioaccessibility of inorganic pollutants. <i>Science of the Total Environment</i> , 2018, 624, 1140-1151.	8.0	12
1592	Priming of microbial microcystin degradation in biomass-fed gravity driven membrane filtration biofilms. <i>Systematic and Applied Microbiology</i> , 2018, 41, 221-231.	2.8	16
1593	Long-term fertilization changes bacterial diversity and bacterial communities in the maize rhizosphere of Chinese Mollisols. <i>Applied Soil Ecology</i> , 2018, 125, 88-96.	4.3	94
1594	Chemical and microbiological evaluation of novel chemical treatment methods for acid sulfate soils. <i>Science of the Total Environment</i> , 2018, 625, 39-49.	8.0	18
1595	Nutrient content affects the turnover of fungal biomass in forest topsoil and the composition of associated microbial communities. <i>Soil Biology and Biochemistry</i> , 2018, 118, 187-198.	8.8	64
1596	Scaling up: A guide to high-throughput genomic approaches for biodiversity analysis. <i>Molecular Ecology</i> , 2018, 27, 313-338.	3.9	248
1597	Long-term warming rather than grazing significantly changed total and active soil procaryotic community structures. <i>Geoderma</i> , 2018, 316, 1-10.	5.1	55
1598	Marine bacterial richness increases towards higher latitudes in the eastern Indian Ocean. <i>Limnology and Oceanography Letters</i> , 2018, 3, 10-19.	3.9	32
1599	Field study reveals core plant microbiota and relative importance of their drivers. <i>Environmental Microbiology</i> , 2018, 20, 124-140.	3.8	255
1600	Ecological plasticity in the gastrointestinal microbiomes of Ethiopian Chlorocebus monkeys. <i>Scientific Reports</i> , 2018, 8, 20.	3.3	37
1601	Hybrid-denovo: a de novo OTU-picking pipeline integrating single-end and paired-end 16S sequence tags. <i>GigaScience</i> , 2018, 7, 1-7.	6.4	21

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1603	Gamma-aminobutyric Acid Enriched Rice Bran Diet Attenuates Insulin Resistance and Balances Energy Expenditure via Modification of Gut Microbiota and Short-Chain Fatty Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 881-890.	5.2	54
1604	Location, Root Proximity, and Glyphosate-Use History Modulate the Effects of Glyphosate on Fungal Community Networks of Wheat. <i>Microbial Ecology</i> , 2018, 76, 240-257.	2.8	27
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.	5.2	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.	9.8	100
1607	Divergent assemblage patterns and driving forces for bacterial and fungal communities along a glacier forefield chronosequence. <i>Soil Biology and Biochemistry</i> , 2018, 118, 207-216.	8.8	133
1608	Soil pH determines fungal diversity along an elevation gradient in Southwestern China. <i>Science China Life Sciences</i> , 2018, 61, 718-726.	4.9	51
1609	FROGS: Find, Rapidly, OTUs with Galaxy Solution. <i>Bioinformatics</i> , 2018, 34, 1287-1294.	4.1	660
1610	<i>Geobacteraceae</i> are important members of mercury-methylating microbial communities of sediments impacted by waste water releases. <i>ISME Journal</i> , 2018, 12, 802-812.	9.8	96
1611	Large-scale ocean connectivity and planktonic body size. <i>Nature Communications</i> , 2018, 9, 142.	12.8	102
1612	Maturation of the gut microbiome and risk of asthma in childhood. <i>Nature Communications</i> , 2018, 9, 141.	12.8	380
1613	Fingerprint of Exhaust Gases and Database of Microbial Diversity During Silkworm Excrement Composting. <i>Compost Science and Utilization</i> , 2018, 26, 40-51.	1.2	2
1614	Prolonged exposure does not increase soil microbial community compositional response to warming along geothermal gradients. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	29
1615	Prokaryote composition and predicted metagenomic content of two <i>Cinachyrella</i> Morphospecies and water from West Papuan Marine Lakes. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	32
1616	Mechanisms of biochar reducing the bioaccumulation of PAHs in rice from soil: Degradation stimulation vs immobilization. <i>Chemosphere</i> , 2018, 196, 288-296.	8.2	53
1617	Probiotic/prebiotic correction for adverse effects of iron fortification on intestinal resistance to <i>Salmonella</i> infection in weaning mice. <i>Food and Function</i> , 2018, 9, 1070-1078.	4.6	22
1618	Greatest soil microbial diversity found in micro-habitats. <i>Soil Biology and Biochemistry</i> , 2018, 118, 217-226.	8.8	248
1619	Effects of short-term fallow managements on soil microbial properties: A case study in China. <i>Applied Soil Ecology</i> , 2018, 125, 128-137.	4.3	11
1620	Short-chain fatty acids regulate systemic bone mass and protect from pathological bone loss. <i>Nature Communications</i> , 2018, 9, 55.	12.8	393

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1621	The effects of sewage treatment plant effluents on hepatic and intestinal biomarkers in common carp (<i>Cyprinus carpio</i>). <i>Science of the Total Environment</i> , 2018, 635, 1160-1169.	8.0	23
1622	Gut Dysbiosis Associated With Hepatitis C Virus Infection. <i>Clinical Infectious Diseases</i> , 2018, 67, 869-877.	5.8	130
1623	<i>Bacillus subtilis</i> spore with surface display of paramyosin from <i>Clonorchis sinensis</i> potentializes a promising oral vaccine candidate. <i>Parasites and Vectors</i> , 2018, 11, 156.	2.5	36
1624	Grapevine rootstocks shape underground bacterial microbiome and networking but not potential functionality. <i>Microbiome</i> , 2018, 6, 3.	11.1	194
1625	Reproducible protocols for metagenomic analysis of human faecal phageomes. <i>Microbiome</i> , 2018, 6, 68.	11.1	162
1626	A comparison of methods used to unveil the genetic and metabolic pool in the built environment. <i>Microbiome</i> , 2018, 6, 71.	11.1	19
1627	Upflow anaerobic-microaerobic fixed biofilm reactor integrating methanogenesis with partial nitrification. <i>Chemical Engineering Journal</i> , 2018, 348, 281-291.	12.7	14
1628	A microbiome case-control study of recurrent acute otitis media identified potentially protective bacterial genera. <i>BMC Microbiology</i> , 2018, 18, 13.	3.3	126
1629	Recolonizing gray wolves increase parasite infection risk in their prey. <i>Ecology and Evolution</i> , 2018, 8, 2160-2170.	1.9	13
1630	Biological invasions increase the richness of arbuscular mycorrhizal fungi from a Hawaiian subtropical ecosystem. <i>Biological Invasions</i> , 2018, 20, 2421-2437.	2.4	18
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.	9.6	45
1632	Metagenome, metatranscriptome, and metaproteome approaches unraveled compositions and functional relationships of microbial communities residing in biogas plants. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5045-5063.	3.6	128
1633	Marine-influenced microbial communities inhabit terrestrial hot springs on a remote island volcano. <i>Extremophiles</i> , 2018, 22, 687-698.	2.3	10
1634	Sediment bacterial community structures and their predicted functions implied the impacts from natural processes and anthropogenic activities in coastal area. <i>Marine Pollution Bulletin</i> , 2018, 131, 481-495.	5.0	92
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.	3.7	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, .	2.7	6
1637	<i>Chrysomya megacephala</i> larvae feeding favourably influences manure microbiome, heavy metal stability and greenhouse gas emissions. <i>Microbial Biotechnology</i> , 2018, 11, 498-509.	4.2	16
1638	Semi-passive in-situ pilot scale bioreactor successfully removed sulfate and metals from mine impacted water under subarctic climatic conditions. <i>Water Research</i> , 2018, 140, 268-279.	11.3	36

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1639	Microbial Community Composition in a Simultaneous Nitrification and Denitrification Bioreactor for Domestic Wastewater Treatment. IOP Conference Series: Earth and Environmental Science, 2018, 112, 012007.	0.3	4
1640	The abundance and diversity of antibiotic resistance genes in the atmospheric environment of composting plants. Environment International, 2018, 116, 229-238.	10.0	92
1641	Purple lettuce (<i>Lactuca sativa</i> L.) attenuates metabolic disorders in diet induced obesity. Journal of Functional Foods, 2018, 45, 462-470.	3.4	22
1642	Natural revegetation of a semiarid habitat alters taxonomic and functional diversity of soil microbial communities. Science of the Total Environment, 2018, 635, 598-606.	8.0	89
1643	Environmental DNA filtration techniques affect recovered biodiversity. Scientific Reports, 2018, 8, 4682.	3.3	93
1644	Long-Term Coffee Monoculture Alters Soil Chemical Properties and Microbial Communities. Scientific Reports, 2018, 8, 6116.	3.3	102
1645	Bacterial Community in Water and Air of Two Sub-Alpine Lakes in Taiwan. Microbes and Environments, 2018, 33, 120-126.	1.6	17
1646	Dust-associated microbiomes from dryland wheat fields differ with tillage practice and biosolids application. Atmospheric Environment, 2018, 185, 29-40.	4.1	5
1647	Resuscitation of functional bacterial community for enhancing biodegradation of phenol under high salinity conditions based on Rpf. Bioresource Technology, 2018, 261, 394-402.	9.6	47
1648	PCRP-LB homolog acts as a negative modulator of immunity in maintaining the gut-microbe symbiosis of red palm weevil, <i>Rhynchophorus ferrugineus</i> Olivier. Developmental and Comparative Immunology, 2018, 86, 65-77.	2.3	43
1649	Impairment of the intestine barrier function in <i>Litopenaeus vannamei</i> exposed to ammonia and nitrite stress. Fish and Shellfish Immunology, 2018, 78, 279-288.	3.6	114
1650	The role of bacteria in pine wilt disease: insights from microbiome analysis. FEMS Microbiology Ecology, 2018, 94, .	2.7	30
1651	Conservation tillage and organic farming induce minor variations in <i>Pseudomonas</i> abundance, their antimicrobial function and soil disease resistance. FEMS Microbiology Ecology, 2018, 94, .	2.7	10
1652	Fertilizer N application rate impacts plant-soil feedback in a sanqi production system. Science of the Total Environment, 2018, 633, 796-807.	8.0	113
1653	Moss habitats distinctly affect their associated bacterial community structures as revealed by the high-throughput sequencing method. World Journal of Microbiology and Biotechnology, 2018, 34, 58.	3.6	13
1655	Gut microbiota recovery and immune response in ampicillin-treated mice. Research in Veterinary Science, 2018, 118, 357-364.	1.9	10
1656	Structure and dynamics of microbiomes associated with the marine sponge <i>Tedania</i> sp. during its life cycle. FEMS Microbiology Ecology, 2018, 94, .	2.7	18
1657	Plant, microbial community and soil property responses to an experimental precipitation gradient in a desert grassland. Applied Soil Ecology, 2018, 127, 87-95.	4.3	35

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1658	Bioaugmentation of chlorothalonil-contaminated soil with hydrolytically or reductively dehalogenating strain and its effect on soil microbial community. <i>Journal of Hazardous Materials</i> , 2018, 351, 240-249.	12.4	40
1659	A Lachnospiraceae-dominated bacterial signature in the fecal microbiota of HIV-infected individuals from Colombia, South America. <i>Scientific Reports</i> , 2018, 8, 4479.	3.3	34
1660	Host range of antibiotic resistance genes in wastewater treatment plant influent and effluent. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	148
1661	Resuscitation of viable but non-culturable bacteria to enhance the cellulose-degrading capability of bacterial community in composting. <i>Microbial Biotechnology</i> , 2018, 11, 527-536.	4.2	32
1662	Systematic Bias Introduced by Genomic DNA Template Dilution in 16S rRNA Gene-Targeted Microbiota Profiling in Human Stool Homogenates. <i>MSphere</i> , 2018, 3, .	2.9	19
1663	Predominant gut <i>Lactobacillus murinus</i> strain mediates anti-inflammaging effects in calorie-restricted mice. <i>Microbiome</i> , 2018, 6, 54.	11.1	141
1664	Impact of soil pedogenesis on the diversity and composition of fungal communities across the California soil chronosequence of Mendocino. <i>Mycorrhiza</i> , 2018, 28, 343-356.	2.8	10
1665	Biodiversity of fungi on <i>Vitis vinifera</i> L. revealed by traditional and high-resolution culture-independent approaches. <i>Fungal Diversity</i> , 2018, 90, 1-84.	12.3	101
1666	Long- and short-term effects of mercury pollution on the soil microbiome. <i>Soil Biology and Biochemistry</i> , 2018, 120, 191-199.	8.8	84
1667	Phylum-Level Archaeal Distributions in the Sediments of Chinese Lakes With a Large Range of Salinity. <i>Geomicrobiology Journal</i> , 2018, 35, 404-410.	2.0	14
1668	SeekDeep: single-base resolution de novo clustering for amplicon deep sequencing. <i>Nucleic Acids Research</i> , 2018, 46, e21-e21.	14.5	134
1669	Shifts of Sediment Microbial Community Structure along a Salinized and Degraded River Continuum. <i>Journal of Coastal Research</i> , 2018, 342, 443-450.	0.3	5
1670	Effect of exogenous inoculants on enhancing oil recovery and indigenous bacterial community dynamics in long-term field pilot of low permeability reservoir. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 53.	3.6	13
1671	Male spiders control offspring sex ratio through greater production of female-determining sperm. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172887.	2.6	15
1672	Effects of low-strength ultrasonication on dark fermentative hydrogen production: Start-up performance and microbial community analysis. <i>Applied Energy</i> , 2018, 219, 34-41.	10.1	19
1673	Degradation shaped bacterial and archaeal communities with predictable taxa and their association patterns in Zoige wetland at Tibet plateau. <i>Scientific Reports</i> , 2018, 8, 3884.	3.3	42
1674	Vanillic acid changed cucumber (<i>Cucumis sativus</i> L.) seedling rhizosphere total bacterial, <i>Pseudomonas</i> and <i>Bacillus</i> spp. communities. <i>Scientific Reports</i> , 2018, 8, 4929.	3.3	31
1675	Effect of semi-permeable cover system on the bacterial diversity during sewage sludge composting. <i>Journal of Environmental Management</i> , 2018, 215, 57-67.	7.8	30

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1677	Lower dietary concentrate level increases bacterial diversity in the rumen of <i>Cervus elaphus yarkandensis</i> . <i>Canadian Journal of Microbiology</i> , 2018, 64, 501-509.	1.7	10
1678	Biogeochemical cycling of gold: Transforming gold particles from arctic Finland. <i>Chemical Geology</i> , 2018, 483, 511-529.	3.3	24
1679	A global comparison of the microbiome compositions of three gut locations in commercial pigs with extreme feed conversion ratios. <i>Scientific Reports</i> , 2018, 8, 4536.	3.3	121
1680	Community structure and distribution of benthic cyanobacteria in Antarctic lacustrine microbial mats. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	18
1681	Long-term manure addition reduces diversity and changes community structure of diazotrophs in a neutral black soil of northeast China. <i>Journal of Soils and Sediments</i> , 2018, 18, 2053-2062.	3.0	33
1682	Discovery of enzymes for toluene synthesis from anoxic microbial communities. <i>Nature Chemical Biology</i> , 2018, 14, 451-457.	8.0	47
1683	Changes in the soil bacterial community structure and enzyme activities after intercrop mulch with cover crop for eight years in an orchard. <i>European Journal of Soil Biology</i> , 2018, 86, 34-41.	3.2	81
1684	Opportunistic pathogens are abundant in the gut of cultured giant spiny frog (<i>Paa spinosa</i>). <i>Aquaculture Research</i> , 2018, 49, 2033-2041.	1.8	51
1685	Are the microbial communities involved in glucose assimilation in paddy soils treated with different fertilization regimes for three years similar?. <i>Journal of Soils and Sediments</i> , 2018, 18, 2476-2490.	3.0	15
1686	The significance of the diversity and composition of the cecal microbiota of the Tibetan swine. <i>Annals of Microbiology</i> , 2018, 68, 185-194.	2.6	15
1687	Understanding the prebiotic potential of different dietary fibers using an in vitro continuous adult fermentation model (PolyFermS). <i>Scientific Reports</i> , 2018, 8, 4318.	3.3	125
1688	High planktonic diversity in mountain lakes contains similar contributions of autotrophic, heterotrophic and parasitic eukaryotic life forms. <i>Scientific Reports</i> , 2018, 8, 4457.	3.3	51
1689	Spatio-temporal dynamics of sulfur bacteria during oxic–anoxic regime shifts in a seasonally stratified lake. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	37
1690	Adaptive evolution to a high purine and fat diet of carnivorans revealed by gut microbiomes and host genomes. <i>Environmental Microbiology</i> , 2018, 20, 1711-1722.	3.8	61
1691	Tissue Localization and Variation of Major Symbionts in <i>Haemaphysalis longicornis</i> , <i>Rhipicephalus haemaphysaloides</i> , and <i>Dermacentor silvarum</i> in China. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	28
1692	Subgingival microbiota in individuals with severe chronic periodontitis. <i>Journal of Microbiology, Immunology and Infection</i> , 2018, 51, 226-234.	3.1	70
1693	Comparative analyses of the bacterial community of hydrothermal deposits and seafloor sediments across Okinawa Trough. <i>Journal of Marine Systems</i> , 2018, 180, 162-172.	2.1	18

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1695	Effect of air-exposed biocathode on the performance of a <i>Thauera</i> -dominated membraneless single-chamber microbial fuel cell (SCMFC). <i>Journal of Environmental Sciences</i> , 2018, 66, 216-224.	6.1	41
1696	Communities of arbuscular mycorrhizal fungi under <i>Picconia azorica</i> in native forests of Azores. <i>Symbiosis</i> , 2018, 74, 43-54.	2.3	10
1697	Effect of FeO addition on volatile fatty acids evolution on anaerobic digestion at high organic loading rates. <i>Waste Management</i> , 2018, 71, 719-727.	7.4	72
1698	Metagenomic analysis reveals changes of the <i>Drosophila suzukii</i> microbiota in the newly colonized regions. <i>Insect Science</i> , 2018, 25, 833-846.	3.0	25
1699	Leveraging sequence-based faecal microbial community survey data to identify a composite biomarker for colorectal cancer. <i>Gut</i> , 2018, 67, 882-891.	12.1	159
1700	Bacterial communities associated with <i>Shinkaia crosnieri</i> from the Iheya North, Okinawa Trough: Microbial diversity and metabolic potentials. <i>Journal of Marine Systems</i> , 2018, 180, 228-236.	2.1	5
1701	Targeting the gut microbiota with inulin-type fructans: preclinical demonstration of a novel approach in the management of endothelial dysfunction. <i>Gut</i> , 2018, 67, 271-283.	12.1	150
1702	The microbiota of diapause: How host-microbe associations are formed after dormancy in an aquatic crustacean. <i>Journal of Animal Ecology</i> , 2018, 87, 400-413.	2.8	40
1703	Recovery of ethanol-induced <i>Akkermansia muciniphila</i> depletion ameliorates alcoholic liver disease. <i>Gut</i> , 2018, 67, 891-901.	12.1	458
1704	The bioelectric well: a novel approach for <i>in situ</i> treatment of hydrocarbon-contaminated groundwater. <i>Microbial Biotechnology</i> , 2018, 11, 112-118.	4.2	48
1705	Validating novel oligonucleotide primers targeting three classes of bacterial non-specific acid phosphatase genes in grassland soils. <i>Plant and Soil</i> , 2018, 427, 39-51.	3.7	24
1706	Effects of host species and environment on the skin microbiome of Plethodontid salamanders. <i>Journal of Animal Ecology</i> , 2018, 87, 341-353.	2.8	120
1707	Rifaximin has minor effects on bacterial composition, inflammation, and bacterial translocation in cirrhosis: A randomized trial. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018, 33, 307-314.	2.8	51
1708	Soil bacterial community mediates the effect of plant material on methanogenic decomposition of soil organic matter. <i>Soil Biology and Biochemistry</i> , 2018, 116, 99-109.	8.8	37
1709	Microbial community structures and functions of wastewater treatment systems in plateau and cold regions. <i>Bioresource Technology</i> , 2018, 249, 684-693.	9.6	178
1710	Impact of Age-Related Mitochondrial Dysfunction and Exercise on Intestinal Microbiota Composition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 571-578.	3.6	28
1711	Relationships of Variations in the Tongue Microbiota and Pneumonia Mortality in Nursing Home Residents. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1097-1102.	3.6	59

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1712	Comparative Analysis of Gut Microbiota of <i>Culex restuans</i> (Diptera: Culicidae) Females From Different Parents. <i>Journal of Medical Entomology</i> , 2018, 55, 163-171.	1.8	5
1713	Ophiopogonin D alleviates high-fat diet-induced metabolic syndrome and changes the structure of gut microbiota in mice. <i>FASEB Journal</i> , 2018, 32, 1139-1153.	0.5	35
1714	Evaluation of different 16S rRNA gene V regions for exploring bacterial diversity in a eutrophic freshwater lake. <i>Science of the Total Environment</i> , 2018, 618, 1254-1267.	8.0	115
1715	Gut microbiome modulates response to anti-PD-1 immunotherapy in melanoma patients. <i>Science</i> , 2018, 359, 97-103.	12.6	3,126
1716	Effects of different electron acceptors on the methanogenesis of hydrolyzed polyacrylamide biodegradation in anaerobic activated sludge systems. <i>Bioresource Technology</i> , 2018, 247, 759-768.	9.6	20
1717	Microbial dynamics during production of lesser mealworms (<i>Alphitobius diaperinus</i>) for human consumption at industrial scale. <i>Food Microbiology</i> , 2018, 70, 181-191.	4.2	84
1718	Anaerobic digestion of spent mushroom substrate under thermophilic conditions: performance and microbial community analysis. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 499-507.	3.6	25
1719	Cloacal microbiota of barn swallows from Northern Italy. <i>Ethology Ecology and Evolution</i> , 2018, 30, 362-372.	1.4	7
1720	Long-term industrial metal contamination unexpectedly shaped diversity and activity response of sediment microbiome. <i>Journal of Hazardous Materials</i> , 2018, 344, 299-307.	12.4	86
1721	DNA-SIP based genome-centric metagenomics identifies key long-chain fatty acid-degrading populations in anaerobic digesters with different feeding frequencies. <i>ISME Journal</i> , 2018, 12, 112-123.	9.8	88
1722	Protists are an integral part of the <i>Arabidopsis thaliana</i> microbiome. <i>Environmental Microbiology</i> , 2018, 20, 30-43.	3.8	85
1723	Host effects on microbiota community assembly. <i>Journal of Animal Ecology</i> , 2018, 87, 331-340.	2.8	39
1724	Application of stable isotope labelling techniques for the detection of active diazotrophs. <i>Environmental Microbiology</i> , 2018, 20, 44-61.	3.8	44
1725	In Vitro Response of Rumen Microbiota to the Antimethanogenic Red Macroalga <i>Asparagopsis taxiformis</i> . <i>Microbial Ecology</i> , 2018, 75, 811-818.	2.8	42
1726	Suppression of soil-borne <i>Fusarium</i> pathogens of peanut by intercropping with the medicinal herb <i>Atractylodes lancea</i> . <i>Soil Biology and Biochemistry</i> , 2018, 116, 120-130.	8.8	81
1727	Influence of arbuscular mycorrhizal fungi on antimony phyto-uptake and compartmentation in vegetables cultivated in urban gardens. <i>Chemosphere</i> , 2018, 191, 272-279.	8.2	18
1728	Temporal dynamics and metabolic correlation between lactate-producing and hydrogen-producing bacteria in sugarcane vinasse dark fermentation: The key role of lactate. <i>Bioresource Technology</i> , 2018, 247, 426-433.	9.6	104
1729	Microbial community and bioelectrochemical activities in MFC for degrading phenol and producing electricity: Microbial consortia could make differences. <i>Chemical Engineering Journal</i> , 2018, 332, 647-657.	12.7	137

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1731	Host Genotype and Nitrogen Form Shape the Root Microbiome of <i>Pinus radiata</i> . <i>Microbial Ecology</i> , 2018, 75, 419-433.	2.8	58
1732	Gut histology, immunology and the intestinal microbiota of rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), fed process variants of soybean meal. <i>Aquaculture Research</i> , 2018, 49, 492-504.	1.8	41
1733	Sensitive community responses of microbiota to copper in sediment toxicity test. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 599-608.	4.3	23
1734	Intestinal Microbiota in Large Yellow Croaker, <i>Larimichthys crocea</i> , at Different Ages. <i>Journal of the World Aquaculture Society</i> , 2018, 49, 256-267.	2.4	11
1735	Strong responses of <i>Drosophila melanogaster</i> microbiota to developmental temperature. <i>Fly</i> , 2018, 12, 1-12.	1.7	93
1736	Genetic monitoring of open ocean biodiversity: An evaluation of <i>DNA</i> metabarcoding for processing continuous plankton recorder samples. <i>Molecular Ecology Resources</i> , 2018, 18, 391-406.	4.8	62
1737	Study on bacterial diversity in traditional sour whey of Yunnan province. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13553.	2.0	8
1738	Gut Microbiome-Induced Shift of Acetate to Butyrate Positively Manages Dysbiosis in High Fat Diet. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700670.	3.3	58
1739	Ammonia-oxidizing archaea are more sensitive than ammonia-oxidizing bacteria to long-term application of green manure in red paddy soil. <i>Applied Soil Ecology</i> , 2018, 124, 185-193.	4.3	30
1740	Contrasting responses of soil respiration and temperature sensitivity to land use types: Cropland vs. apple orchard on the Chinese Loess Plateau. <i>Science of the Total Environment</i> , 2018, 621, 425-433.	8.0	34
1741	Diazotroph Community Characterization via a High-Throughput <i>nifH</i> Amplicon Sequencing and Analysis Pipeline. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	78
1742	Homogenization of lake cyanobacterial communities over a century of climate change and eutrophication. <i>Nature Ecology and Evolution</i> , 2018, 2, 317-324.	7.8	133
1743	<i>Lactococcus lactis</i> Diversity in Undefined Mixed Dairy Starter Cultures as Revealed by Comparative Genome Analyses and Targeted Amplicon Sequencing of <i>epsD</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	25
1744	Forest conversion induces seasonal variation in microbial α -diversity. <i>Environmental Microbiology</i> , 2018, 20, 111-123.	3.8	33
1745	Effect of Start-Up Strategies and Electrode Materials on Carbon Dioxide Reduction on Biocathodes. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	48
1746	Dietary stachyose altered the intestinal microbiota profile and improved the intestinal mucosal barrier function of juvenile turbot, <i>Scophthalmus maximus</i> L.. <i>Aquaculture</i> , 2018, 486, 98-106.	3.5	66
1747	Abiotic rather than biotic filtering shapes the arbuscular mycorrhizal fungal communities of European seminatural grasslands. <i>New Phytologist</i> , 2018, 220, 1262-1272.	7.3	72

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1749	Pollution control and in situ bioremediation for lake aquaculture using an ecological dam. <i>Journal of Cleaner Production</i> , 2018, 172, 2256-2265.	9.3	45
1750	Sustained Bauxite Residue Rehabilitation with Gypsum and Organic Matter 16 years after Initial Treatment. <i>Environmental Science & Technology</i> , 2018, 52, 152-161.	10.0	79
1751	Soil bacterial community responses to long-term fertilizer treatments in Paulownia plantations in subtropical China. <i>Applied Soil Ecology</i> , 2018, 124, 317-326.	4.3	30
1752	Dynamic correlations between microbiota succession and flavor development involved in the ripening of Kazak artisanal cheese. <i>Food Research International</i> , 2018, 105, 733-742.	6.2	88
1753	Gut Microbiota in Human Systemic Lupus Erythematosus and a Mouse Model of Lupus. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	223
1754	Rational dose of insecticide chlorantraniliprole displays a transient impact on the microbial metabolic functions and bacterial community in a silty-loam paddy soil. <i>Science of the Total Environment</i> , 2018, 616-617, 236-244.	8.0	25
1755	Gut microbiota composition is associated with environmental landscape in honey bees. <i>Ecology and Evolution</i> , 2018, 8, 441-451.	1.9	106
1756	Compositional and functional variations of oral microbiota associated with the mutational changes in oral cancer. <i>Oral Oncology</i> , 2018, 77, 1-8.	1.5	95
1757	Predator-prey interaction reveals local effects of high-altitude insect migration. <i>Oecologia</i> , 2018, 186, 49-58.	2.0	39
1758	Metagenomics profiling for assessing microbial diversity in both active and closed landfills. <i>Science of the Total Environment</i> , 2018, 616-617, 269-278.	8.0	45
1759	Stable Core Gut Microbiota across the Freshwater-to-Saltwater Transition for Farmed Atlantic Salmon. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	90
1760	Gastric microbial community profiling reveals a dysbiotic cancer-associated microbiota. <i>Gut</i> , 2018, 67, 226-236.	12.1	496
1761	Comparison of different aerobic granular sludge types for activated sludge nitrification bioaugmentation potential. <i>Bioresource Technology</i> , 2018, 251, 189-196.	9.6	37
1762	Long-term effects of combined divalent copper and tetracycline on the performance, microbial activity and community in a sequencing batch reactor. <i>Bioresource Technology</i> , 2018, 249, 916-923.	9.6	61
1763	Have you tried spermine? A rapid and cost-effective method to eliminate dextran sodium sulfate inhibition of PCR and RT-PCR. <i>Journal of Microbiological Methods</i> , 2018, 144, 1-7.	1.6	81
1764	Metabarcoding of freshwater invertebrates to detect the effects of a pesticide spill. <i>Molecular Ecology</i> , 2018, 27, 146-166.	3.9	54
1765	Physicochemical characteristics of stored cattle manure affect methane emissions by inducing divergence of methanogens that have different interactions with bacteria. <i>Agriculture, Ecosystems and Environment</i> , 2018, 253, 38-47.	5.3	16

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1766	Seasonal and spatial dynamics of denitrification rate and denitrifier community in constructed wetland treating polluted river water. <i>International Biodeterioration and Biodegradation</i> , 2018, 126, 143-151.	3.9	34
1767	Bioaugmentation of rapid sand filters by microbiome priming with a nitrifying consortium will optimize production of drinking water from groundwater. <i>Water Research</i> , 2018, 129, 1-10.	11.3	46
1768	Glyphosate has limited short-term effects on commensal bacterial community composition in the gut environment due to sufficient aromatic amino acid levels. <i>Environmental Pollution</i> , 2018, 233, 364-376.	7.5	90
1769	Microbial diversity of consumption milk during processing and storage. <i>International Journal of Food Microbiology</i> , 2018, 266, 21-30.	4.7	66
1770	Deep ocean prokaryotic communities are remarkably malleable when facing long-term starvation. <i>Environmental Microbiology</i> , 2018, 20, 713-723.	3.8	35
1771	Variation in range size and dispersal capabilities of microbial taxa. <i>Ecology</i> , 2018, 99, 322-334.	3.2	57
1772	A comparison of the ability of PLFA and 16S rRNA gene metabarcoding to resolve soil community change and predict ecosystem functions. <i>Soil Biology and Biochemistry</i> , 2018, 117, 27-35.	8.8	105
1773	Differences in bacterial composition between men's and women's restrooms and other common areas within a public building. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 551-561.	1.7	9
1774	Impacts of Projected Climate Warming and Wetting on Soil Microbial Communities in Alpine Grassland Ecosystems of the Tibetan Plateau. <i>Microbial Ecology</i> , 2018, 75, 1009-1023.	2.8	18
1775	Effects of brewer's yeast hydrolysate on the growth performance and the intestinal bacterial diversity of largemouth bass (<i>Micropterus salmoides</i>). <i>Aquaculture</i> , 2018, 484, 139-144.	3.5	77
1776	Effects of probiotic on microfloral structure of live feed used in larval breeding of turbot <i>Scophthalmus maximus</i> . <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1002-1012.	1.3	9
1777	Host plant associated enhancement of immunity and survival in virus infected caterpillars. <i>Journal of Invertebrate Pathology</i> , 2018, 151, 102-112.	3.2	35
1778	Metaproteomics reveals major microbial players and their metabolic activities during the blooming period of a marine dinoflagellate <i>Prorocentrum donghaiense</i> . <i>Environmental Microbiology</i> , 2018, 20, 632-644.	3.8	35
1779	The Distal Gut Bacterial Community of Some Primates and Carnivora. <i>Current Microbiology</i> , 2018, 75, 213-222.	2.2	18
1780	Characterization of microbial community in high-pressure treated oysters by high-throughput sequencing technology. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 45, 241-248.	5.6	36
1781	Influence of nitrogen and phosphorus additions on N ₂ -fixation activity, abundance, and composition of diazotrophic communities in a Chinese fir plantation. <i>Science of the Total Environment</i> , 2018, 619-620, 1530-1537.	8.0	73
1782	Rapid colonization of artificial endolithic uninhabited habitats. <i>International Journal of Astrobiology</i> , 2018, 17, 386-401.	1.6	7
1783	Bacterial diversity and community structure during fermentation of Chinese sauerkraut with <i>Lactobacillus casei</i> 11MZ-5-1 by Illumina Miseq sequencing. <i>Letters in Applied Microbiology</i> , 2018, 66, 55-62.	2.2	23

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1784	Sponge Prokaryote Communities in Taiwanese Coral Reef and Shallow Hydrothermal Vent Ecosystems. <i>Microbial Ecology</i> , 2018, 75, 239-254.	2.8	17
1785	Assessing gut microbiota perturbations during the early phase of infectious diarrhea in Vietnamese children. <i>Gut Microbes</i> , 2018, 9, 38-54.	9.8	66
1786	Comparison study of the volatile profiles and microbial communities of Wuyi Qu and Gutian Qu, two major types of traditional fermentation starters of Hong Qu glutinous rice wine. <i>Food Microbiology</i> , 2018, 69, 105-115.	4.2	69
1787	Airborne bacterial assemblage in a zero carbon building: A case study. <i>Indoor Air</i> , 2018, 28, 40-50.	4.3	11
1788	Season-Long Experimental Drought Alters Fungal Community Composition but Not Diversity in a Grassland Soil. <i>Microbial Ecology</i> , 2018, 75, 468-478.	2.8	23
1789	Root exudates of potato onion are involved in the suppression of clubroot in a Chinese cabbage-potato onion-Chinese cabbage crop rotation. <i>European Journal of Plant Pathology</i> , 2018, 150, 765-777.	1.7	15
1790	High-throughput sequencing of fungal communities across the perennial ice block of ScÄfriÈ™oara Ice Cave. <i>Annals of Glaciology</i> , 2018, 59, 134-146.	1.4	10
1791	Estimating intraspecific genetic diversity from community DNA metabarcoding data. <i>PeerJ</i> , 2018, 6, e4644.	2.0	132
1792	Fecal microbial dysbiosis in Chinese patients with inflammatory bowel disease. <i>World Journal of Gastroenterology</i> , 2018, 24, 1464-1477.	3.3	49
1793	A novel system for the treatment of wastewater from a tomato processing plant with UV light. <i>Water Practice and Technology</i> , 2018, 13, 662-672.	2.0	1
1794	Rumen bacterial composition in lambs is affected by ð²-adrenergic agonist supplementation and heat stress at the phylum level1. <i>Translational Animal Science</i> , 2018, 2, S145-S148.	1.1	6
1795	Dynamics of Sulfate-Reducing Bacteria Community Structure in Surface Sediment of a Seasonally Hypoxic Enclosed Bay. <i>Microbes and Environments</i> , 2018, 33, 378-384.	1.6	5
1796	Additives in Plasticised Polyvinyl Chloride Fuel Microbial Nitrate Reduction at High pH: Implications for Nuclear Waste Disposal. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	12
1797	Novel Diversity of Deeply Branching Holomycota and Unicellular Holozoans Revealed by Metabarcoding in Middle ParanÂ¿ River, Argentina. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	20
1799	Bronchoalveolar lavage fluid microbiota dysbiosis in infants with protracted bacterial bronchitis. <i>Journal of Thoracic Disease</i> , 2018, 10, 168-174.	1.4	15
1800	Effects of tobacco smoke and electronic cigarette vapor exposure on the oral and gut microbiota in humans: a pilot study. <i>PeerJ</i> , 2018, 6, e4693.	2.0	84
1801	An intensive milk replacer feeding program benefits immune response and intestinal microbiota of lambs during weaning. <i>BMC Veterinary Research</i> , 2018, 14, 366.	1.9	18
1802	Filtration artefacts in bacterial community composition can affect the outcome of dissolved organic matter biolability assays. <i>Biogeosciences</i> , 2018, 15, 7141-7154.	3.3	9

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1803	Assessing the bacterial communities of sponges inhabiting the remote western Indian Ocean island of Mayotte. <i>Marine Ecology</i> , 2018, 39, e12517.	1.1	18
1804	Social behaviour in bees influences the abundance of <i>Sodalis</i> (Enterobacteriaceae) symbionts. <i>Royal Society Open Science</i> , 2018, 5, 180369.	2.4	23
1805	Rapid increases in soil pH solubilise organic matter, dramatically increase denitrification potential and strongly stimulate microorganisms from the <i>Firmicutes</i> phylum. <i>PeerJ</i> , 2018, 6, e6090.	2.0	42
1806	Correlation Model Analysis of Nitrogen Addition and Tan Sheep Grazing Effects on Soil Bacterial Community in the Loess Plateau, China. , 2018, , .		0
1807	Candidate Causal Organisms for Apple Replant Disease in the United Kingdom. <i>Phytobiomes Journal</i> , 2018, 2, 261-274.	2.7	43
1808	Association of gestational diabetes mellitus and abnormal vaginal flora with adverse pregnancy outcomes. <i>Medicine (United States)</i> , 2018, 97, e11891.	1.0	50
1809	Heterogeneity of Microbial Communities on Deep-Sea Ferromanganese Crusts in the Takuyo-Daigo Seamount. <i>Microbes and Environments</i> , 2018, 33, 366-377.	1.6	18
1810	Linkages between geochemistry and microbiology in a proglacial terrain in the High Arctic. <i>Annals of Glaciology</i> , 2018, 59, 95-110.	1.4	11
1811	Traits of Exogenous Species and Indigenous Community Contribute to the Species Colonization and Community Succession. <i>Frontiers in Microbiology</i> , 2018, 9, 3087.	3.5	9
1812	Composition of Rumen Bacterial Community in Dairy Cows With Different Levels of Somatic Cell Counts. <i>Frontiers in Microbiology</i> , 2018, 9, 3217.	3.5	39
1813	Biodiversity Genomics: Monitoring Restoration Efforts Using DNA Barcoding and Environmental DNA. , 2018, , 395-417.		0
1814	Comprehensive assessment of free nitrous acid-based technology to establish partial nitrification. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 2113-2124.	2.4	12
1815	Impact of anaerobic co-digestion between sewage sludge and carbon-rich organic waste on microbial community resilience. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1956-1965.	2.4	16
1816	<i>Lactobacillus helveticus</i> KLD51.8701 alleviates <i>D</i> -galactose-induced aging by regulating Nrf-2 and gut microbiota in mice. <i>Food and Function</i> , 2018, 9, 6586-6598.	4.6	66
1817	Shifts in microbial community structure and diversity in a novel waterfall biofilm reactor combined with MBBR under light and dark conditions. <i>RSC Advances</i> , 2018, 8, 37462-37471.	3.6	7
1818	<i>Escherichia coli</i> O101-induced diarrhea develops gut microbial dysbiosis in rats. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 824-834.	1.8	12
1819	Structure and diversity dynamics of microbial communities at day and night: investigation of meromictic Lake Doroninskoe, Transbaikalia, Russia. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1978-1992.	1.3	10
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1822	Title is missing!. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2018, 18, .	0.9	3
1823	Response of soil fungal community to long-term chromium contamination. <i>Transactions of Nonferrous Metals Society of China</i> , 2018, 28, 1838-1846.	4.2	27
1824	<i>Bacteroides vulgatus</i> and <i>Bacteroides dorei</i> Reduce Gut Microbial Lipopolysaccharide Production and Inhibit Atherosclerosis. <i>Circulation</i> , 2018, 138, 2486-2498.	1.6	358
1825	Differential effects of coconut versus soy oil on gut microbiota composition and predicted metabolic function in adult mice. <i>BMC Genomics</i> , 2018, 19, 808.	2.8	42
1826	Dietary Exposure to the Environmental Chemical, PFOS on the Diversity of Gut Microbiota, Associated With the Development of Metabolic Syndrome. <i>Frontiers in Microbiology</i> , 2018, 9, 2552.	3.5	63
1827	Environmental DNA Metabarcoding Supporting Community Assessment of Environmental Stressors in a Field-Based Sediment Microcosm Study. <i>Environmental Science & Technology</i> , 2018, 52, 14469-14479.	10.0	30
1828	Influence of dietary supplementation with <i>Bacillus licheniformis</i> and <i>Saccharomyces cerevisiae</i> as alternatives to monensin on growth performance, antioxidant, immunity, ruminal fermentation and microbial diversity of fattening lambs. <i>Scientific Reports</i> , 2018, 8, 16712.	3.3	54
1829	The composition and diversity of arbuscular mycorrhizal fungi in karst soils and roots collected from mulberry of different ages. <i>Ciencia Rural</i> , 2018, 48, .	0.5	6
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1831	Effects of xylitol-containing chewing gum on the oral microbiota. <i>Journal of Oral Science</i> , 2018, 60, 588-594.	1.7	13
1832	Variation and diversification of the microbiome of <i>Schlechtendalia chinensis</i> on two alternate host plants. <i>PLoS ONE</i> , 2018, 13, e0200049.	2.5	7
1833	Long-term combined application of manure and chemical fertilizer sustained higher nutrient status and rhizospheric bacterial diversity in reddish paddy soil of Central South China. <i>Scientific Reports</i> , 2018, 8, 16554.	3.3	70
1834	Comparative Analysis of the Microbial Profiles in Supragingival Plaque Samples Obtained From Twins With Discordant Caries Phenotypes and Their Mothers. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 361.	3.9	12
1835	Human milk oligosaccharides, milk microbiome and infant gut microbiome modulate neonatal rotavirus infection. <i>Nature Communications</i> , 2018, 9, 5010.	12.8	130
1836	Interpersonal Variations in Gut Microbiota Profiles Supersedes the Effects of Differing Fecal Storage Conditions. <i>Scientific Reports</i> , 2018, 8, 17367.	3.3	46
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1838	Specialisation events of fungal metacommunities exposed to a persistent organic pollutant are suggestive of augmented pathogenic potential. <i>Microbiome</i> , 2018, 6, 208.	11.1	16

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1840	Rutin and Its Combination With Inulin Attenuate Gut Dysbiosis, the Inflammatory Status and Endoplasmic Reticulum Stress in Paneth Cells of Obese Mice Induced by High-Fat Diet. <i>Frontiers in Microbiology</i> , 2018, 9, 2651.	3.5	60
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1844	Diversity and predictive metabolic pathways of the prokaryotic microbial community along a groundwater salinity gradient of the Pearl River Delta, China. <i>Scientific Reports</i> , 2018, 8, 17317.	3.3	25
1845	Roots and Panicles of the C4 Model Grasses <i>Setaria viridis</i> (L.) and <i>S. pumila</i> Host Distinct Bacterial Assemblages With Core Taxa Conserved Across Host Genotypes and Sampling Sites. <i>Frontiers in Microbiology</i> , 2018, 9, 2708.	3.5	15
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1847	The structure and function of the global citrus rhizosphere microbiome. <i>Nature Communications</i> , 2018, 9, 4894.	12.8	304
1848	Characterization of the Microbiome at the World's Largest Potable Water Reuse Facility. <i>Frontiers in Microbiology</i> , 2018, 9, 2435.	3.5	43
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1851	Different Selectivity in Fungal Communities Between Manure and Mineral Fertilizers: A Study in an Alkaline Soil After 30 Years Fertilization. <i>Frontiers in Microbiology</i> , 2018, 9, 2613.	3.5	24
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1853	Decomposition responses to climate depend on microbial community composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11994-11999.	7.1	214
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1858	Long-Term Thinning Does not Significantly Affect Soil Water-Stable Aggregates and Diversity of Bacteria and Fungi in Chinese Fir (<i>Cunninghamia lanceolata</i>) Plantations in Eastern China. <i>Forests</i> , 2018, 9, 687.	2.1	17
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1861	Harvest of the Oleaginous Microalgae <i>Scenedesmus obtusiusculus</i> by Flocculation From Culture Based on Natural Water Sources. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 200.	4.1	19
1862	Studying safe storage time of orange peel (<i>Citrus reticulata</i>) using high-throughput sequencing and conventional pure culture. <i>Food Science and Nutrition</i> , 2018, 6, 2545-2552.	3.4	6
1863	Hibernation Leads to Altered Gut Communities in Bumblebee Queens (<i>Bombus terrestris</i>). <i>Insects</i> , 2018, 9, 188.	2.2	15
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1865	Formal description of sequence-based voucherless Fungi: promises and pitfalls, and how to resolve them. <i>IMA Fungus</i> , 2018, 9, 143-165.	3.8	42
1866	Illumina-MiSeq analysis of fungi in acid lime roots reveals dominance of <i>Fusarium</i> and variation in fungal taxa. <i>Scientific Reports</i> , 2018, 8, 17388.	3.3	5
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1876	A Phylogeny-Regularized Sparse Regression Model for Predictive Modeling of Microbial Community Data. <i>Frontiers in Microbiology</i> , 2018, 9, 3112.	3.5	20
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1880	Sympatric diploid and tetraploid cytotypes of <i>Centaurea stoebe</i> s.l. do not differ in arbuscular mycorrhizal communities and mycorrhizal growth response. <i>American Journal of Botany</i> , 2018, 105, 1995-2007.	1.7	9
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1885	<i>Lactobacillus reuteri</i> HCM2 protects mice against Enterotoxigenic <i>Escherichia coli</i> through modulation of gut microbiota. <i>Scientific Reports</i> , 2018, 8, 17485.	3.3	38
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1887	Excess Dietary Zinc Intake in Neonatal Mice Causes Oxidative Stress and Alters Intestinal Host-Microbe Interactions. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800947.	3.3	26
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1892	The effects of dietary astaxanthin on intestinal health of juvenile tiger puffer <i>Takifugu rubripes</i> in terms of antioxidative status, inflammatory response and microbiota. <i>Aquaculture Nutrition</i> , 2018, 25, 466.	2.7	2
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1903	Methods and Strategies to Examine the Human Breastmilk Microbiome. Methods in Molecular Biology, 2018, 1849, 63-86.	0.9	15
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1906	Characterization of the bacterial communities on recent Icelandic volcanic deposits of different ages. BMC Microbiology, 2018, 18, 122.	3.3	15
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1910	Chinese Black Truffle (<i>Tuber indicum</i>) Alters the Ectomycorrhizosphere and Endoectomycosphere Microbiome and Metabolic Profiles of the Host Tree <i>Quercus aliena</i> . Frontiers in Microbiology, 2018, 9, 2202.	3.5	38
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1914	Independent and interactive effects of reduced seawater pH and oil contamination on subsurface sediment bacterial communities. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32756-32766.	5.3	6
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1917	Differences in the Gut Microbiota Establishment and Metabolome Characteristics Between Low- and Normal-Birth-Weight Piglets During Early-Life. <i>Frontiers in Microbiology</i> , 2018, 9, 1798.	3.5	74
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1924	Probing active microbes involved in Bt-containing rice straw decomposition. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10273-10284.	3.6	11
1925	Variation of bacterial community associated with <i>Phaeodactylum tricornutum</i> in response to different inorganic nitrogen concentrations. <i>Acta Oceanologica Sinica</i> , 2018, 37, 118-128.	1.0	4
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1931	Regulating Gut Flora Dysbiosis in Obese Mice by Electroacupuncture. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 1481-1497.	3.8	20
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1933	Allergen Immunization Induces Major Changes in Microbiota Composition and Short-Chain Fatty Acid Production in Different Gut Segments in a Mouse Model of Lupine Food Allergy. <i>International Archives of Allergy and Immunology</i> , 2018, 177, 311-323.	2.1	15
1934	Impact of foliar fungicides on target and non-target soil microbial communities in cucumber crops. <i>Ecotoxicology and Environmental Safety</i> , 2018, 166, 78-85.	6.0	30
1935	Using pseudoalignment and base quality to accurately quantify microbial community composition. <i>PLoS Computational Biology</i> , 2018, 14, e1006096.	3.2	20
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1937	Biases in Prokaryotic Community Amplicon Sequencing Affected by DNA Extraction Methods in Both Saline and Non-saline Soil. <i>Frontiers in Microbiology</i> , 2018, 9, 1796.	3.5	12
1938	Temperature Controls Crystalline Iron Oxide Utilization by Microbial Communities in Methanic Ferruginous Marine Sediment Incubations. <i>Frontiers in Microbiology</i> , 2018, 9, 2574.	3.5	23
1939	Compositional and Temporal Changes in the Gut Microbiome of Pediatric Ulcerative Colitis Patients Are Linked to Disease Course. <i>Cell Host and Microbe</i> , 2018, 24, 600-610.e4.	11.0	193
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1941	Sensitivity of Bacterioplankton to Environmental Disturbance: A Review of Baltic Sea Field Studies and Experiments. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	29
1942	Diversity of foliar endophytic ascomycetes in the endemic Corsican pine forests. <i>Fungal Ecology</i> , 2018, 36, 128-140.	1.6	14
1943	Diversity and distribution of bacteria in a multistage surface flow constructed wetland to treat swine wastewater in sediments. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10755-10765.	3.6	16
1944	Multiple processes acting from local to large geographical scales shape bacterial communities associated with <i>Phormidium</i> (cyanobacteria) biofilms in French and New Zealand rivers. <i>Scientific Reports</i> , 2018, 8, 14416.	3.3	18
1945	Fecal microbiota transplantation confers beneficial metabolic effects of diet and exercise on diet-induced obese mice. <i>Scientific Reports</i> , 2018, 8, 15625.	3.3	122
1946	Root Microbiota in Primary and Secondary Apical Periodontitis. <i>Frontiers in Microbiology</i> , 2018, 9, 2374.	3.5	79
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1949	Host genotype strongly influences phyllosphere fungal communities associated with <i>Mussaenda pubescens</i> var. <i>alba</i> (Rubiaceae). <i>Fungal Ecology</i> , 2018, 36, 141-151.	1.6	30
1950	Changes in soil fungal communities and vegetation following afforestation with <i>Pinus tabulaeformis</i> on the Loess Plateau. <i>Ecosphere</i> , 2018, 9, e02401.	2.2	26
1951	Habitat-specific variation in gut microbial communities and pathogen prevalence in bumblebee queens (<i>Bombus terrestris</i>). <i>PLoS ONE</i> , 2018, 13, e0204612.	2.5	39
1952	Molecular and Microbiological Insights on the Enrichment Procedures for the Isolation of Petroleum Degrading Bacteria and Fungi. <i>Frontiers in Microbiology</i> , 2018, 9, 2543.	3.5	56
1953	Functional profiling of the gut microbiomes in two different populations of the brown planthopper, <i>Nilaparvata lugens</i> . <i>Journal of Asia-Pacific Entomology</i> , 2018, 21, 1309-1314.	0.9	15
1954	Fungal Endophytic Communities of Two Wild <i>Rosa</i> Varieties With Different Powdery Mildew Susceptibilities. <i>Frontiers in Microbiology</i> , 2018, 9, 2462.	3.5	18
1955	Composition and Genetic Diversity of the <i>Nicotiana tabacum</i> Microbiome in Different Topographic Areas and Growth Periods. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3421.	4.1	15
1956	Supplemental <i>Bacillus subtilis</i> DSM 32315 manipulates intestinal structure and microbial composition in broiler chickens. <i>Scientific Reports</i> , 2018, 8, 15358.	3.3	86
1957	Two Populations of Mites (<i>Tyrophagus putrescentiae</i>) Differ in Response to Feeding on Feces-Containing Diets. <i>Frontiers in Microbiology</i> , 2018, 9, 2590.	3.5	18
1958	Temporal development of the gut microbiome in early childhood from the TEDDY study. <i>Nature</i> , 2018, 562, 583-588.	27.8	1,220
1959	Characterizing forensically important insect and microbial community colonization patterns in buried remains. <i>Scientific Reports</i> , 2018, 8, 15513.	3.3	26
1960	Diversity of macaque microbiota compared to the human counterparts. <i>Scientific Reports</i> , 2018, 8, 15573.	3.3	50
1961	<i>Cetobacterium</i> Is a Major Component of the Microbiome of Giant Amazonian Fish (<i>Arapaima gigas</i>) in Ecuador. <i>Animals</i> , 2018, 8, 189.	2.3	74
1962	How to Process Sputum Samples and Extract Bacterial DNA for Microbiota Analysis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3256.	4.1	28
1963	Microbial communities in different regions of the gastrointestinal tract in East Asian finless porpoises (<i>Neophocaena asiaeorientalis sunameri</i>). <i>Scientific Reports</i> , 2018, 8, 14142.	3.3	19
1964	DNA metabarcoding reveals the complex and hidden responses of chironomids to multiple stressors. <i>Environmental Sciences Europe</i> , 2018, 30, .	5.5	53
1965	Diversity of fungi and bacteria in species-rich grasslands increases with plant diversity in shoots but not in roots and soil. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	24

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1966	Variation in ectomycorrhizal fungal communities associated with Silver linden (<i>Tilia tomentosa</i>) within and across urban areas. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	8
1967	Host genetics and the rumen microbiome jointly associate with methane emissions in dairy cows. <i>PLoS Genetics</i> , 2018, 14, e1007580.	3.5	198
1968	Changes in bacterial communities during two agricultural solid wastesâ€™ co-composting processes. <i>Annals of Microbiology</i> , 2018, 68, 743-754.	2.6	9
1969	The gut bacteria across life stages in the synanthropic fly <i>Chrysomya megacephala</i> . <i>BMC Microbiology</i> , 2018, 18, 131.	3.3	20
1970	Precise Fecal Microbiome of the Herbivorous Tibetan Antelope Inhabiting High-Altitude Alpine Plateau. <i>Frontiers in Microbiology</i> , 2018, 9, 2321.	3.5	33
1971	Showcasing the role of seawater in bacteria recruitment and microbiome stability in sponges. <i>Scientific Reports</i> , 2018, 8, 15201.	3.3	82
1972	Alterations of Gut Microbiome in the Patients With Severe Fever With Thrombocytopenia Syndrome. <i>Frontiers in Microbiology</i> , 2018, 9, 2315.	3.5	8
1973	Gut microbiota translocation promotes autoimmune cholangitis. <i>Journal of Autoimmunity</i> , 2018, 95, 47-57.	6.5	50
1974	Response of bentonite microbial communities to stresses relevant to geodisposal of radioactive waste. <i>Chemical Geology</i> , 2018, 501, 58-67.	3.3	22
1975	Species-level bacterial community profiling of the healthy sinonasal microbiome using Pacific Biosciences sequencing of full-length 16S rRNA genes. <i>Microbiome</i> , 2018, 6, 190.	11.1	117
1976	Differentiated Mechanisms of Biochar Mitigating Straw-Induced Greenhouse Gas Emissions in Two Contrasting Paddy Soils. <i>Frontiers in Microbiology</i> , 2018, 9, 2566.	3.5	46
1977	Microbial Interkingdom Interactions in Roots Promote Arabidopsis Survival. <i>Cell</i> , 2018, 175, 973-983.e14.	28.9	707
1978	Temperature-controlled thermophilic bacterial communities in hot springs of western Sichuan, China. <i>BMC Microbiology</i> , 2018, 18, 134.	3.3	45
1979	Toxic effects of Zearalenone on intestinal microflora and intestinal mucosal immunity in mice. <i>Food and Agricultural Immunology</i> , 2018, 29, 1002-1011.	1.4	22
1980	Dietary citric acid supplementation alleviates soybean meal-induced intestinal oxidative damage and micro-ecological imbalance in juvenile turbot, <i>Scophthalmus maximus</i> L. <i>Aquaculture Research</i> , 2018, 49, 3804-3816.	1.8	36
1981	Spatial Variability and Co-acclimation of Phytoplankton and Bacterioplankton Communities in the Pearl River Estuary, China. <i>Frontiers in Microbiology</i> , 2018, 9, 2503.	3.5	28
1982	Bacterial diversity in snow from mid-latitude mountain areas: Alps, Eastern Anatolia, Karakoram and Himalaya. <i>Annals of Glaciology</i> , 2018, 59, 10-20.	1.4	16
1983	Limited congruence exhibited across microbial, meiofaunal and macrofaunal benthic assemblages in a heterogeneous coastal environment. <i>Scientific Reports</i> , 2018, 8, 15500.	3.3	6

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1984	The gastric mucosal-associated microbiome in patients with gastric polyposis. Scientific Reports, 2018, 8, 13817.	3.3	30
1985	Spatial structuring of bacterial communities in epilithic biofilms in the Acquarossa river (Italy). FEMS Microbiology Ecology, 2018, 94, .	2.7	15
1986	Microbial Communities of the Gut and Nest of the Humus- and Litter-Feeding Termite Procornitermes araujo (Syntermitinae). Current Microbiology, 2018, 75, 1609-1618.	2.2	13
1987	Effects of the particle of ground alfalfa hay on the growth performance, methane production and archaeal populations of rabbits. PLoS ONE, 2018, 13, e0203393.	2.5	2
1988	Changes in the Intestine Microbial, Digestive, and Immune-Related Genes of Litopenaeus vannamei in Response to Dietary Probiotic Clostridium butyricum Supplementation. Frontiers in Microbiology, 2018, 9, 2191.	3.5	99
1989	Cucumber (Cucumis sativus L.) Seedling Rhizosphere Trichoderma and Fusarium spp. Communities Altered by Vanillic Acid. Frontiers in Microbiology, 2018, 9, 2195.	3.5	36
1990	Broad Bean (Vicia faba L.) Induces Intestinal Inflammation in Grass Carp (Ctenopharyngodon idellus C.) Tj ETQq0 0 0 rgBT /Overlock 10 T in Microbiology, 2018, 9, 1913.	3.5	17
1991	Soil fungal taxonomic and functional community composition as affected by biochar properties. Soil Biology and Biochemistry, 2018, 126, 159-167.	8.8	57
1992	Improved Glucose and Lipid Metabolism in the Early Life of Female Offspring by Maternal Dietary Genistein Is Associated With Alterations in the Gut Microbiota. Frontiers in Endocrinology, 2018, 9, 516.	3.5	73
1993	Protocols for Investigating the Leaf Mycobiome Using High-Throughput DNA Sequencing. Methods in Molecular Biology, 2018, 1848, 39-51.	0.9	11
1994	Seasonal succession of small planktonic eukaryotes inhabiting surface waters of a coastal upwelling system. Environmental Microbiology, 2018, 20, 2955-2973.	3.8	44
1995	Yeast Probiotics Shape the Gut Microbiome and Improve the Health of Early-Weaned Piglets. Frontiers in Microbiology, 2018, 9, 2011.	3.5	50
1996	Effects of Cd, Cu, Zn and their combined action on microbial biomass and bacterial community structure. Environmental Pollution, 2018, 243, 510-518.	7.5	133
1997	Protist species richness and soil microbiome complexity increase towards climax vegetation in the Brazilian Cerrado. Communications Biology, 2018, 1, 135.	4.4	58
1998	Lacto-fermented sauerkraut improves symptoms in IBS patients independent of product pasteurisation â€” a pilot study. Food and Function, 2018, 9, 5323-5335.	4.6	56
1999	Antibiotic treatment of rat dams affects bacterial colonization and causes decreased weight gain in pups. Communications Biology, 2018, 1, 145.	4.4	14
2000	Sequence clustering in bioinformatics: an empirical study. Briefings in Bioinformatics, 2018, , .	6.5	104
2001	Association between Cigarette Smoking Status and Composition of Gut Microbiota: Population-Based Cross-Sectional Study. Journal of Clinical Medicine, 2018, 7, 282.	2.4	177

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2002	Postnatal Administration of <i>Lactobacillus rhamnosus</i> HN001 Ameliorates Perinatal Broad-Spectrum Antibiotic-Induced Reduction in Myelopoiesis and T Cell Activation in Mouse Pups. Molecular Nutrition and Food Research, 2018, 62, e1800510.	3.3	3
2003	Ceftriaxone Administration Disrupts Intestinal Homeostasis, Mediating Noninflammatory Proliferation and Dissemination of Commensal Enterococci. Infection and Immunity, 2018, 86, .	2.2	31
2004	Dynamics of microbial populations mediating biogeochemical cycling in a freshwater lake. Microbiome, 2018, 6, 165.	11.1	40
2005	Subgingival microbiome of rheumatoid arthritis patients in relation to their disease status and periodontal health. PLoS ONE, 2018, 13, e0202278.	2.5	50
2006	Bacterial and Fungal Next Generation Sequencing Datasets and Metadata from Citrus Infected with <i>Candidatus</i> Liberibacter asiaticus™. Phytobiomes Journal, 2018, 2, 64-70.	2.7	25
2007	Linking N ₂ O Emissions from Biofertilizer-Amended Soil of Tea Plantations to the Abundance and Structure of N ₂ O-Reducing Microbial Communities. Environmental Science & Technology, 2018, 52, 11338-11345.	10.0	46
2008	Habitat environments impacted the gut microbiome of long-distance migratory swan geese but central species conserved. Scientific Reports, 2018, 8, 13314.	3.3	54
2009	Microbial community structure and functions differ between native and novel (exotic-dominated) grassland ecosystems in an 8-year experiment. Plant and Soil, 2018, 432, 359-372.	3.7	22
2010	The effect of exposure to high altitude and low oxygen on intestinal microbial communities in mice. PLoS ONE, 2018, 13, e0203701.	2.5	44
2011	Intensified Pulse Rotations Buildup Pea Rhizosphere Pathogens in Cereal and Pulse Based Cropping Systems. Frontiers in Microbiology, 2018, 9, 1909.	3.5	31
2012	Lactobacillus acidophilus DDS-1 Modulates the Gut Microbiota and Improves Metabolic Profiles in Aging Mice. Nutrients, 2018, 10, 1255.	4.1	61
2013	Development and characterization of stable anaerobic thermophilic methanogenic microbiomes fermenting switchgrass at decreasing residence times. Biotechnology for Biofuels, 2018, 11, 243.	6.2	37
2014	The influence of gut microbiota dysbiosis to the efficacy of 5-Fluorouracil treatment on colorectal cancer. Biomedicine and Pharmacotherapy, 2018, 108, 184-193.	5.6	130
2015	The gut microbiota promotes hepatic fatty acid desaturation and elongation in mice. Nature Communications, 2018, 9, 3760.	12.8	200
2016	Abundant and Rare Microbial Biospheres Respond Differently to Environmental and Spatial Factors in Tibetan Hot Springs. Frontiers in Microbiology, 2018, 9, 2096.	3.5	45
2017	Investigation of Detection Limits and the Influence of DNA Extraction and Primer Choice on the Observed Microbial Communities in Drinking Water Samples Using 16S rRNA Gene Amplicon Sequencing. Frontiers in Microbiology, 2018, 9, 2140.	3.5	49
2018	Inherent bacterial community response to multiple heavy metals in sediment from river-lake systems in the Poyang Lake, China. Ecotoxicology and Environmental Safety, 2018, 165, 314-324.	6.0	72
2019	Macroecology to Unite All Life, Large and Small. Trends in Ecology and Evolution, 2018, 33, 731-744.	8.7	118

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2020	Long-term anaerobic digestion of food waste at semi-pilot scale: Relationship between microbial community structure and process performances. <i>Biomass and Bioenergy</i> , 2018, 118, 55-64.	5.7	41
2021	Composition of the teat canal and intramammary microbiota of dairy cows subjected to antimicrobial dry cow therapy and internal teat sealant. <i>Journal of Dairy Science</i> , 2018, 101, 10191-10205.	3.4	46
2022	Exposure to Yeast Shapes the Intestinal Bacterial Community Assembly in Zebrafish Larvae. <i>Frontiers in Microbiology</i> , 2018, 9, 1868.	3.5	35
2023	Analysis of the Rumen Microbiome and Metabolome to Study the Effect of an Antimethanogenic Treatment Applied in Early Life of Kid Goats. <i>Frontiers in Microbiology</i> , 2018, 9, 2227.	3.5	31
2024	Fish Gut Microbiome: Current Approaches and Future Perspectives. <i>Indian Journal of Microbiology</i> , 2018, 58, 397-414.	2.7	121
2025	Cheese brines from Danish dairies reveal a complex microbiota comprising several halotolerant bacteria and yeasts. <i>International Journal of Food Microbiology</i> , 2018, 285, 173-187.	4.7	43
2026	Effects of dietary supplementation with combinations of organic and medium chain fatty acids as replacements for chlortetracycline on growth performance, serum immunity, and fecal microbiota of weaned piglets. <i>Livestock Science</i> , 2018, 216, 210-218.	1.6	22
2027	Profiles of quorum sensing (QS)-related sequences in phycospheric microorganisms during a marine dinoflagellate bloom, as determined by a metagenomic approach. <i>Microbiological Research</i> , 2018, 217, 1-13.	5.3	23
2028	The Impact of Irrigation on Bacterial Community Composition and Diversity in Liaohu Estuary Wetland. <i>Journal of Ocean University of China</i> , 2018, 17, 855-863.	1.2	5
2029	Bacterial communities of cryoconite holes of a temperate alpine glacier show both seasonal trends and year-to-year variability. <i>Annals of Glaciology</i> , 2018, 59, 1-9.	1.4	41
2030	Microbial Community and in situ Bioremediation of Groundwater by Nitrate Removal in the Zone of a Radioactive Waste Surface Repository. <i>Frontiers in Microbiology</i> , 2018, 9, 1985.	3.5	49
2031	Oral Microbiome Shifts From Caries-Free to Caries-Affected Status in 3-Year-Old Chinese Children: A Longitudinal Study. <i>Frontiers in Microbiology</i> , 2018, 9, 2009.	3.5	42
2032	Functional Gut Microbiota Remodeling Contributes to the Caloric Restriction-Induced Metabolic Improvements. <i>Cell Metabolism</i> , 2018, 28, 907-921.e7.	16.2	170
2033	Pigmented microbial eukaryotes fuel the deep sea carbon pool in the tropical Western Pacific Ocean. <i>Environmental Microbiology</i> , 2018, 20, 3811-3824.	3.8	15
2034	Reduced-Particle-Size Wheat Bran Is Efficiently Colonized by a Lactic Acid-Producing Community and Reduces Levels of Enterobacteriaceae in the Cecal Microbiota of Broilers. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	18
2035	Effect of long-term mineral fertilizer application on soil enzyme activities and bacterial community composition. <i>Plant, Soil and Environment</i> , 2018, 64, 571-577.	2.2	15
2036	Effects of dietary supplementation of formaldehyde and crystalline amino acids on gut microbial composition of nursery pigs. <i>Scientific Reports</i> , 2018, 8, 8164.	3.3	5
2037	Increased salinity triggers significant changes in the functional proteins of ANAMMOX bacteria within a biofilm community. <i>Chemosphere</i> , 2018, 207, 655-664.	8.2	33

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2038	Bloom of a denitrifying methanotroph, <i>Candidatus</i> <i>Methyloirabilis limnetica</i> ™, in a deep stratified lake. <i>Environmental Microbiology</i> , 2018, 20, 2598-2614.	3.8	87
2039	Direct oxygen uptake from air by novel glycogen accumulating organism dominated biofilm minimizes excess sludge production. <i>Science of the Total Environment</i> , 2018, 640-641, 80-88.	8.0	11
2040	Fungal community composition and diversity vary with soil depth and landscape position in a no-till wheat-based cropping system. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	48
2041	Ecology of sleeping: the microbial and arthropod associates of chimpanzee beds. <i>Royal Society Open Science</i> , 2018, 5, 180382.	2.4	7
2042	Effect of dietary <i>α</i> -ketoglutarate and allicin supplementation on the composition and diversity of the cecal microbial community in growing pigs. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5816-5821.	3.5	18
2043	Long-term application of lime or pig manure rather than plant residues suppressed diazotroph abundance and diversity and altered community structure in an acidic Ultisol. <i>Soil Biology and Biochemistry</i> , 2018, 123, 218-228.	8.8	107
2044	A Newly Designed Primer Revealed High Phylogenetic Diversity of <i>Endozoicomonas</i> in Coral Reefs. <i>Microbes and Environments</i> , 2018, 33, 172-185.	1.6	10
2045	Experimentally testing the species-habitat size relationship on soil bacteria: A proof of concept. <i>Soil Biology and Biochemistry</i> , 2018, 123, 200-206.	8.8	13
2046	Fertilization shapes a well-organized community of bacterial decomposers for accelerated paddy straw degradation. <i>Scientific Reports</i> , 2018, 8, 7981.	3.3	45
2047	Short communication: Variability in fermentation end-products and methanogen communities in different rumen sites of dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 5153-5158.	3.4	23
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.	2.3	29
2049	Paddy-upland rotation for sustainable agriculture with regards to diverse soil microbial community. <i>Scientific Reports</i> , 2018, 8, 7966.	3.3	33
2050	Lipolysis of domestic wastewater in anaerobic reactors operating at low temperatures. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1002-1013.	2.4	24
2051	Impact of biofilter operation on microbial community structure and performance. <i>Journal of Water Process Engineering</i> , 2018, 24, 35-41.	5.6	26
2052	Iron Sequestration in Microbiota Biofilms As A Novel Strategy for Treating Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1493-1502.	1.9	30
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.	1.7	4
2054	The gut microbiome is associated with behavioural task in honey bees. <i>Insectes Sociaux</i> , 2018, 65, 419-429.	1.2	90
2055	Habitat filtering of bacterioplankton communities above polymetallic nodule fields and sediments in the Clarion-Clipperton zone of the Pacific Ocean. <i>Environmental Microbiology Reports</i> , 2018, 10, 113-122.	2.4	8

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2056	High-throughput discovery of functional disordered regions: investigation of transactivation domains. <i>Molecular Systems Biology</i> , 2018, 14, e8190.	7.2	138
2057	Necessary Sequencing Depth and Clustering Method to Obtain Relatively Stable Diversity Patterns in Studying Fish Gut Microbiota. <i>Current Microbiology</i> , 2018, 75, 1240-1246.	2.2	4
2058	Autotrophic and symbiotic diazotrophs dominate nitrogen-fixing communities in Tibetan grassland soils. <i>Science of the Total Environment</i> , 2018, 639, 997-1006.	8.0	88
2059	Multiple effects of secondary metabolites on amino acid cycling in white clover rhizosphere. <i>Soil Biology and Biochemistry</i> , 2018, 123, 54-63.	8.8	30
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.	6.2	10
2061	Mulberry leaf tea alleviates diabetic nephropathy by inhibiting PKC signaling and modulating intestinal flora. <i>Journal of Functional Foods</i> , 2018, 46, 118-127.	3.4	32
2062	The changes of bacterial communities and antibiotic resistance genes in microbial fuel cells during long-term oxytetracycline processing. <i>Water Research</i> , 2018, 142, 105-114.	11.3	117
2063	Prokaryotic assemblages in suspended and subglacial sediments within a glacierized catchment on Qeqertarsuaq (Disko Island), west Greenland. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	12
2064	Biogeochemical probing of microbial communities in a basalt-hosted hot spring at Kverkfjall volcano, Iceland. <i>Geobiology</i> , 2018, 16, 507-521.	2.4	15
2065	Litter chemistry influences decomposition through activity of specific microbial functional guilds. <i>Ecological Monographs</i> , 2018, 88, 429-444.	5.4	87
2066	The link between the microbial ecology, gene expression, and biokinetics of denitrifying polyphosphate-accumulating systems under different electron acceptor combinations. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6725-6737.	3.6	16
2067	Location-dependent impacts of liming and crop rotation on bacterial communities in acid soils of the Pacific Northwest. <i>Applied Soil Ecology</i> , 2018, 130, 59-68.	4.3	8
2068	Shifts of the indigenous microbial communities from reservoir production water in crude oil- and asphaltene-degrading microcosms. <i>International Biodeterioration and Biodegradation</i> , 2018, 132, 18-29.	3.9	48
2069	Biodegradation of Polyethylene and Plastic Mixtures in Mealworms (Larvae of <i>Tenebrio</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6526-6533.	10.0	316
2070	Bacterial endophyte communities in <i>Pinus flexilis</i> are structured by host age, tissue type, and environmental factors. <i>Plant and Soil</i> , 2018, 428, 335-352.	3.7	32
2071	Treatment of acidic sulfate-containing wastewater using revolving algae biofilm reactors: Sulfur removal performance and microbial community characterization. <i>Bioresource Technology</i> , 2018, 264, 24-34.	9.6	67
2072	Design and rationale of the INSYTE study: A randomised, placebo controlled study to test the efficacy of a synbiotic on liver fat, disease biomarkers and intestinal microbiota in non-alcoholic fatty liver disease. <i>Contemporary Clinical Trials</i> , 2018, 71, 113-123.	1.8	31
2073	Metagenomic data on <i>Anadara granosa</i> associated bacterial communities using culture dependent approaches and 16S rRNA sequencing. <i>Data in Brief</i> , 2018, 19, 514-519.	1.0	1

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2074	Alpinia oxyphylla Miq. Extract Prevents Diabetes in Mice by Modulating Gut Microbiota. Journal of Diabetes Research, 2018, 2018, 1-10.	2.3	35
2075	Analysis of the bacterial communities in the waterlogged wooden cultural relics of the <i>Xiaobaijiao No. 1</i> shipwreck via high-throughput sequencing technology. Holzforschung, 2018, 72, 609-619.	1.9	14
2076	Extreme drought slightly decreased soil labile organic C and N contents and altered microbial community structure in a subtropical evergreen forest. Forest Ecology and Management, 2018, 429, 18-27.	3.2	54
2077	The unexpected diversity of microbial communities associated with black corals revealed by high-throughput Illumina sequencing. FEMS Microbiology Letters, 2018, 365, .	1.8	8
2078	Environmental Controls on Soil Microbial Communities in a Seasonally Dry Tropical Forest. Applied and Environmental Microbiology, 2018, 84, .	3.1	31
2079	Association of Tongue Bacterial Flora and Subtypes of Liver-Fire Hyperactivity Syndrome in Hypertensive Patients. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-10.	1.2	2
2080	TRIF deficiency protects non-obese diabetic mice from type 1 diabetes by modulating the gut microbiota and dendritic cells. Journal of Autoimmunity, 2018, 93, 57-65.	6.5	58
2081	Sinking particles promote vertical connectivity in the ocean microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6799-E6807.	7.1	185
2082	Long-Term Effects of Tourmaline on Nitrogen Removal from Wastewater and Bacterial Community Shift in Activated Sludge at Low Temperatures. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	1
2083	Seasonal distribution of nitrifiers and denitrifiers in urban river sediments affected by agricultural activities. Science of the Total Environment, 2018, 642, 1282-1291.	8.0	38
2084	<i>Ixodes scapularis</i> does not harbor a stable midgut microbiome. ISME Journal, 2018, 12, 2596-2607.	9.8	87
2085	Sea-level rise in northern Australia's Kakadu National Park: a survey of floodplain eukaryotes. Marine and Freshwater Research, 2018, 69, 1134.	1.3	2
2086	Fungal bioaerosols in biomethanization facilities. Journal of the Air and Waste Management Association, 2018, 68, 1198-1210.	1.9	20
2087	Spatial structuring of soil microbial communities in commercial apple orchards. Applied Soil Ecology, 2018, 130, 1-12.	4.3	60
2088	Indigenous microorganisms residing in oil sands tailings biodegrade residual bitumen. Chemosphere, 2018, 209, 551-559.	8.2	17
2089	Untangling factors that drive community composition of root associated fungal endophytes of Neotropical epiphytic orchids. Fungal Ecology, 2018, 34, 67-75.	1.6	21
2090	Distinct biogeographic patterns of rhizobia and non-rhizobial endophytes associated with soybean nodules across China. Science of the Total Environment, 2018, 643, 569-578.	8.0	39
2091	A metabolomic view of how low nitrogen strength favors anammox biomass yield and nitrogen removal capability. Water Research, 2018, 143, 387-398.	11.3	98

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2092	Conventional and molecular analysis of the diet of gentoo penguins: contributions to assess scats for non-invasive penguin diet monitoring. <i>Polar Biology</i> , 2018, 41, 2275-2287.	1.2	14
2093	Characteristics of fecal microbiota in non-alcoholic fatty liver disease patients. <i>Science China Life Sciences</i> , 2018, 61, 770-778.	4.9	46
2094	Characterization of Wild and Captive Baboon Gut Microbiota and Their Antibiotic Resistomes. <i>MSystems</i> , 2018, 3, .	3.8	51
2095	Temperature effects on structure and function of the methanogenic microbial communities in two paddy soils and one desert soil. <i>Soil Biology and Biochemistry</i> , 2018, 124, 236-244.	8.8	47
2096	Persisting responses of salt marsh fungal communities to the Deepwater Horizon oil spill. <i>Science of the Total Environment</i> , 2018, 642, 904-913.	8.0	25
2097	Aflatoxin B1 (AFB1) induced dysregulation of intestinal microbiota and damage of antioxidant system in pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Aquaculture</i> , 2018, 495, 940-947.	3.5	62
2098	Need for focus on microbial species following ice melt and changing freshwater regimes in a Janus Arctic Gateway. <i>Scientific Reports</i> , 2018, 8, 9405.	3.3	26
2099	Rectal and Naris Swabs: Practical and Informative Samples for Analyzing the Microbiota of Critically Ill Patients. <i>MSphere</i> , 2018, 3, .	2.9	15
2100	Dietary supplementation with yeast hydrolysate in pregnancy influences colostrum yield and gut microbiota of sows and piglets after birth. <i>PLoS ONE</i> , 2018, 13, e0197586.	2.5	48
2101	Biofilm and planktonic bacterial communities in a drinking water distribution system supplied with untreated groundwater. <i>Archives of Microbiology</i> , 2018, 200, 1323-1331.	2.2	2
2102	Induction and Amelioration of Methotrexate-Induced Gastrointestinal Toxicity are Related to Immune Response and Gut Microbiota. <i>EBioMedicine</i> , 2018, 33, 122-133.	6.1	80
2103	Maternal omega-3 fatty acids regulate offspring obesity through persistent modulation of gut microbiota. <i>Microbiome</i> , 2018, 6, 95.	11.1	65
2104	Spring drying and intensified summer rainfall affected soil microbial community composition but not enzyme activity in a subtropical forest. <i>Applied Soil Ecology</i> , 2018, 130, 219-225.	4.3	21
2105	Altered gut microbiome composition in children with refractory epilepsy after ketogenic diet. <i>Epilepsy Research</i> , 2018, 145, 163-168.	1.6	190
2106	The effects of marine farm-scale sequentially integrated multi-trophic aquaculture systems on microbial community composition, prevalence of sulfonamide-resistant bacteria and sulfonamide resistance gene <i>sul1</i> . <i>Science of the Total Environment</i> , 2018, 643, 681-691.	8.0	33
2107	The Hepatotoxicity of Palmitic Acid in Zebrafish Involves the Intestinal Microbiota. <i>Journal of Nutrition</i> , 2018, 148, 1217-1228.	2.9	39
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2116	Interaction Between Plant Competition and Rhizospheric Bacterial Community Influence Secondary Succession of Abandoned Farmland on the Loess Plateau of China. Frontiers in Plant Science, 2018, 9, 898.	3.6	17
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2170	Contrasting Soil Bacterial Community, Diversity, and Function in Two Forests in China. <i>Frontiers in Microbiology</i> , 2018, 9, 1693.	3.5	72
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2182	Spatial Heterogeneity and Co-occurrence of Mucosal and Luminal Microbiome across Swine Intestinal Tract. <i>Frontiers in Microbiology</i> , 2018, 9, 48.	3.5	172

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2186	Plant Rhizosphere Selection of Plasmodiophorid Lineages from Bulk Soil: The Importance of “Hidden” Diversity. <i>Frontiers in Microbiology</i> , 2018, 9, 168.	3.5	7
2187	Compost Addition Enhanced Hyphal Growth and Sporulation of Arbuscular Mycorrhizal Fungi without Affecting Their Community Composition in the Soil. <i>Frontiers in Microbiology</i> , 2018, 9, 169.	3.5	65
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2191	Metatranscriptomics and Amplicon Sequencing Reveal Mutualisms in Seagrass Microbiomes. <i>Frontiers in Microbiology</i> , 2018, 9, 388.	3.5	113
2192	Direct and Indirect Effects of Penguin Feces on Microbiomes in Antarctic Ornithogenic Soils. <i>Frontiers in Microbiology</i> , 2018, 9, 552.	3.5	20
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2198	Microbial Community Analyses of the Deteriorated Storeroom Objects in the Tianjin Museum Using Culture-Independent and Culture-Dependent Approaches. <i>Frontiers in Microbiology</i> , 2018, 9, 802.	3.5	32
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2200	Oral Microbiota Community Dynamics Associated With Oral Squamous Cell Carcinoma Staging. <i>Frontiers in Microbiology</i> , 2018, 9, 862.	3.5	211

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2202	Characterization of <i>Microcystis</i> (Cyanobacteria) Genotypes Based on the Internal Transcribed Spacer Region of rRNA by Next-Generation Sequencing. <i>Frontiers in Microbiology</i> , 2018, 9, 971.	3.5	17
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2206	Alpha-Ketoglutarate in Low-Protein Diets for Growing Pigs: Effects on Cecal Microbial Communities and Parameters of Microbial Metabolism. <i>Frontiers in Microbiology</i> , 2018, 9, 1057.	3.5	40
2207	Acclimation and Institutionalization of the Mouse Microbiota Following Transportation. <i>Frontiers in Microbiology</i> , 2018, 9, 1085.	3.5	55
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2209	Divergent Responses of the Diazotrophic Microbiome to Elevated CO ₂ in Two Rice Cultivars. <i>Frontiers in Microbiology</i> , 2018, 9, 1139.	3.5	19
2210	Microbiomes of North American Triatominae: The Grounds for Chagas Disease Epidemiology. <i>Frontiers in Microbiology</i> , 2018, 9, 1167.	3.5	57
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2212	Gut Bacterial Communities of <i>Dendroctonus valens</i> and Monoterpenes and Carbohydrates of <i>Pinus tabulaeformis</i> at Different Attack Densities to Host Pines. <i>Frontiers in Microbiology</i> , 2018, 9, 1251.	3.5	7
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2217	Detection of Microbial 16S rRNA Gene in the Blood of Patients With Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 156.	3.4	44
2218	Scaling up <sc>DNA</sc> barcoding " Primer sets for simple and cost efficient arthropod systematics by multiplex <sc>PCR</sc> and Illumina amplicon sequencing. <i>Methods in Ecology and Evolution</i> , 2018, 9, 2181-2193.	5.2	26

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2220	Ecological influence of sediment bypass tunnels on macroinvertebrates in dam-fragmented rivers by DNA metabarcoding. <i>Scientific Reports</i> , 2018, 8, 10185.	3.3	28
2221	Active bacterioplankton community response to dissolved “free” deoxyribonucleic acid (dDNA) in surface coastal marine waters. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	2
2222	High-Throughput Sequencing Analysis of the Actinobacterial Spatial Diversity in Moonmilk Deposits. <i>Antibiotics</i> , 2018, 7, 27.	3.7	22
2223	Identification of Major Rhizobacterial Taxa Affected by a Glyphosate-Tolerant Soybean Line via Shotgun Metagenomic Approach. <i>Genes</i> , 2018, 9, 214.	2.4	9
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2225	Testing clustering strategies for metabarcoding-based investigation of community “environment interactions. <i>Molecular Ecology Resources</i> , 2018, 18, 1326-1338.	4.8	35
2226	Faecal microbiota transplantation alters gut microbiota in patients with irritable bowel syndrome: results from a randomised, double-blind placebo-controlled study. <i>Gut</i> , 2018, 67, 2107-2115.	12.1	250
2227	Spatial variations of soil respiration and temperature sensitivity along a steep slope of the semiarid Loess Plateau. <i>PLoS ONE</i> , 2018, 13, e0195400.	2.5	11
2228	Contribution of <i>Eisenia andrei</i> earthworms in pathogen reduction during vermicomposting. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26267-26278.	5.3	11
2229	Spatial distribution of microbial community composition along a steep slope plot of the Loess Plateau. <i>Applied Soil Ecology</i> , 2018, 130, 226-236.	4.3	22
2230	Denitrifier communities impacted by heavy metal contamination in freshwater sediment. <i>Environmental Pollution</i> , 2018, 242, 426-432.	7.5	35
2231	Responses of fungal “bacterial community and network to organic inputs vary among different spatial habitats in soil. <i>Soil Biology and Biochemistry</i> , 2018, 125, 54-63.	8.8	142
2232	Development of outbred CD1 mouse colonies with distinct standardized gut microbiota profiles for use in complex microbiota targeted studies. <i>Scientific Reports</i> , 2018, 8, 10107.	3.3	30
2233	Different twig litter (<i>Salix caprea</i>) diameter does affect microbial community activity and composition but not decay rate. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	11
2234	A DNA metabarcoding approach to characterize soil arthropod communities. <i>Soil Biology and Biochemistry</i> , 2018, 125, 37-43.	8.8	56
2235	Seasonal changes in the diversity and composition of the litter fauna in native forests and rubber plantations. <i>Scientific Reports</i> , 2018, 8, 10232.	3.3	7
2236	Effects of cover crop in an apple orchard on microbial community composition, networks, and potential genes involved with degradation of crop residues in soil. <i>Biology and Fertility of Soils</i> , 2018, 54, 743-759.	4.3	85

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2238	Greater health risk in wet season than in dry season in the Yellow River of the Lanzhou region. <i>Science of the Total Environment</i> , 2018, 644, 873-883.	8.0	31
2239	Producing desulfurized biogas using two-stage domesticated shear-loop anaerobic contact stabilization system. <i>Waste Management</i> , 2018, 78, 770-780.	7.4	1
2240	Effects of dietary energy levels on rumen bacterial community composition in Holstein heifers under the same forage to concentrate ratio condition. <i>BMC Microbiology</i> , 2018, 18, 69.	3.3	103
2241	Disruption of maternal gut microbiota during gestation alters offspring microbiota and immunity. <i>Microbiome</i> , 2018, 6, 124.	11.1	109
2242	Is amniotic fluid of women with uncomplicated term pregnancies free of bacteria?. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 219, 289.e1-289.e12.	1.3	74
2243	Root exudate metabolites drive plant-soil feedbacks on growth and defense by shaping the rhizosphere microbiota. <i>Nature Communications</i> , 2018, 9, 2738.	12.8	861
2244	Characterization of oral microbiota and acetaldehyde production. <i>Journal of Oral Microbiology</i> , 2018, 10, 1492316.	2.7	29
2245	Effect of the dietary polyacetylenes faltarinol and faltarindiol on the gut microbiota composition in a rat model of colorectal cancer. <i>BMC Research Notes</i> , 2018, 11, 411.	1.4	12
2246	Gestational diabetes is associated with change in the gut microbiota composition in third trimester of pregnancy and postpartum. <i>Microbiome</i> , 2018, 6, 89.	11.1	286
2247	Linking soil bacterial and fungal communities to vegetation succession following agricultural abandonment. <i>Plant and Soil</i> , 2018, 431, 19-36.	3.7	60
2248	Modular Traits of the Rhizobiales Root Microbiota and Their Evolutionary Relationship with Symbiotic Rhizobia. <i>Cell Host and Microbe</i> , 2018, 24, 155-167.e5.	11.0	244
2249	Dietary non-fermentable fiber prevents autoimmune neurological disease by changing gut metabolic and immune status. <i>Scientific Reports</i> , 2018, 8, 10431.	3.3	63
2250	Ingestion of an Inulin-Enriched Pork Sausage Product Positively Modulates the Gut Microbiome and Metabolome of Healthy Rats. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800608.	3.3	36
2251	Fungal communities and functions response to long-term fertilization in paddy soils. <i>Applied Soil Ecology</i> , 2018, 130, 251-258.	4.3	59
2252	Bacterial community assemblages in the rhizosphere soil, root endosphere and cyst of soybean cyst nematode-suppressive soil challenged with nematodes. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	78
2253	Electron donor-driven bacterial and archaeal community patterns along forest ring edges in Ontario, Canada. <i>Environmental Microbiology Reports</i> , 2018, 10, 663-672.	2.4	4
2254	Diversity of Prokaryotes in Planktonic Communities of Saline Sol-Iletska lakes (Orenburg Oblast,) Tj ETQq1 1 0.784314 rgBT /Qyerlock 10	1.2	12

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2259	Saturated long-chain fatty acid-producing bacteria contribute to enhanced colonic motility in rats. <i>Microbiome</i> , 2018, 6, 107.	11.1	92
2260	The Development of Microbiota and Metabolome in Small Intestine of Sika Deer (<i>Cervus nippon</i>) from Birth to Weaning. <i>Frontiers in Microbiology</i> , 2018, 9, 4.	3.5	41
2261	Resource Availability Drives Responses of Soil Microbial Communities to Short-term Precipitation and Nitrogen Addition in a Desert Shrubland. <i>Frontiers in Microbiology</i> , 2018, 9, 186.	3.5	82
2262	Chronic fertilization of 37 years alters the phylogenetic structure of soil arbuscular mycorrhizal fungi in Chinese Mollisols. <i>AMB Express</i> , 2018, 8, 57.	3.0	20
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2265	Vertical profiles of microbial communities in perfluoroalkyl substance-contaminated soils. <i>Annals of Microbiology</i> , 2018, 68, 399-408.	2.6	39
2266	Physicochemical differences between malanga (<i>Xanthosoma sagittifolium</i>) and potato (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlook Functional Foods, 2018, 45, 268-276.	3.4	11
2267	Analysis of microbial abundance and community composition in esophagus and intestinal tract of wild veined rapa whelk (<i>Rapana venosa</i>) by 16S rRNA gene sequencing. <i>Journal of General and Applied Microbiology</i> , 2018, 64, 158-166.	0.7	18
2268	Niche partition of phenanthrene-degrading bacteria along a <i>Phragmites australis</i> rhizosphere gradient. <i>Biology and Fertility of Soils</i> , 2018, 54, 607-616.	4.3	6
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2274	Individual and household attributes influence the dynamics of the personal skin microbiota and its association network. <i>Microbiome</i> , 2018, 6, 26.	11.1	48
2275	The active microbial community more accurately reflects the anaerobic digestion process: 16S rRNA (gene) sequencing as a predictive tool. <i>Microbiome</i> , 2018, 6, 63.	11.1	138
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2277	Seeking key microorganisms for enhancing methane production in anaerobic digestion of waste sewage sludge. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5323-5334.	3.6	34
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2280	Effects of dietary supplementation of probiotics on growth, immune responses, and gut microbiome of the abalone <i>Haliotis diversicolor</i> . <i>Aquaculture</i> , 2018, 493, 289-295.	3.5	46
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2297	Neonatal gut and immune maturation is determined more by postnatal age than by postconceptional age in moderately preterm pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G855-G867.	3.4	41
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2343	Temporal dynamics of microbiota before and after host death. <i>ISME Journal</i> , 2018, 12, 2076-2085.	9.8	21
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2404	Interplay of S and As in Mekong Delta sediments during redox oscillations. <i>Geoscience Frontiers</i> , 2019, 10, 1715-1729.	8.4	5
2405	High-throughput characterization of antibiotic resistome in soil amended with commercial organic fertilizers. <i>Journal of Soils and Sediments</i> , 2019, 19, 641-651.	3.0	11
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2436	Fluctuation of electrode potential based on molecular regulation induced diversity of electrogenesis behavior in multiple equilibrium microbial fuel cell. <i>Chemosphere</i> , 2019, 237, 124453.	8.2	8
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2463	Effects of sepiolite and biochar on microbial diversity in acid red soil from southern China. Chemistry and Ecology, 2019, 35, 846-860.	1.6	11
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2487	Dynamics of fungal communities during <i>Gastrodia elata</i> growth. <i>BMC Microbiology</i> , 2019, 19, 158.	3.3	28
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2512	Bovine digital dermatitis in Victoria, Australia. <i>Australian Veterinary Journal</i> , 2019, 97, 404-413.	1.1	12
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2529	Archaeal communities in sponge, sediment and water from marine lakes and open water habitats. <i>Marine Biology Research</i> , 2019, 15, 259-274.	0.7	7
2530	Microbial communities across nearshore to offshore coastal transects are primarily shaped by distance and temperature. <i>Environmental Microbiology</i> , 2019, 21, 3862-3872.	3.8	46
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2533	Effect of methyl tert-butyl ether on adipogenesis and glucose metabolism in vitro and in vivo. <i>Journal of Environmental Sciences</i> , 2019, 85, 208-219.	6.1	11
2534	The DNRA-Denitrification Dichotomy Differentiates Nitrogen Transformation Pathways in Mountain Lake Benthic Habitats. <i>Frontiers in Microbiology</i> , 2019, 10, 1229.	3.5	44
2535	Biological treatment of DMSO-containing wastewater from semiconductor industry under aerobic and methanogenic conditions. <i>Chemosphere</i> , 2019, 236, 124291.	8.2	13
2536	Characterizing symbiont inheritance during hostâ€™ microbiota evolution: Application to the great apes gut microbiota. <i>Molecular Ecology Resources</i> , 2019, 19, 1659-1671.	4.8	17
2537	Taxonomic features and comparisons of the gut microbiome from two edible fungus-farming termites (<i>Macrotermes falciger</i> ; <i>M. natalensis</i>) harvested in the Vhembe district of Limpopo, South Africa. <i>BMC Microbiology</i> , 2019, 19, 164.	3.3	17
2538	Developmental and Immune Role of a Novel Multiple Cysteine Cluster TLR From <i>Eisenia andrei</i> Earthworms. <i>Frontiers in Immunology</i> , 2019, 10, 1277.	4.8	22
2539	Gut Microbiota Differs Between Parkinsonâ€™s Disease Patients and Healthy Controls in Northeast China. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 171.	2.9	100
2540	Response of fungal communities in different soils to biochar and chemical fertilizers under simulated rainfall conditions. <i>Science of the Total Environment</i> , 2019, 691, 654-663.	8.0	32
2541	Spatial metagenomic characterization of microbial biogeography in the gut. <i>Nature Biotechnology</i> , 2019, 37, 877-883.	17.5	103
2542	Diversity decoupled from sulfur isotope fractionation in a sulfateâ€™reducing microbial community. <i>Geobiology</i> , 2019, 17, 660-675.	2.4	7

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2545	A hydrocarbon-contaminated aquifer reveals a Piggyback-the-Persistent viral strategy. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	11
2546	Active bacterial communities of pig fecal microbiota transplantation suspension prepared and preserved under different conditions. <i>AMB Express</i> , 2019, 9, 63.	3.0	8
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2548	Dose Effects of Orally Administered Spirulina Suspension on Colonic Microbiota in Healthy Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 243.	3.9	30
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2630	Metagenome data of bacterial diversity in pear (<i>Pyrus communis</i> L.) rhizospheres associated with Phytophthora infection and amino acid treatment. <i>Data in Brief</i> , 2019, 26, 104396.	1.0	5
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2708	Investigation of bacterial diversity and pathogen abundances in gibel carp (<i>Carassius auratus</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	3.0	8
2709	Longitudinal development of the gut microbiota in healthy and diarrheic piglets induced by age-related dietary changes. <i>MicrobiologyOpen</i> , 2019, 8, e923.	3.0	44
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2746	Enrichment and characterization of a highly efficient tetrahydrofuran-degrading bacterial culture. Biodegradation, 2019, 30, 467-479.	3.0	13
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2781	Indoor airborne fungal levels in selected comprehensive compartments of the urban utility tunnel in Nanjing, Southeast China. <i>Sustainable Cities and Society</i> , 2019, 51, 101723.	10.4	23
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2795	Increased abundance of proteobacteria in aggressive Crohn's disease seven years after diagnosis. <i>Scientific Reports</i> , 2019, 9, 13473.	3.3	83
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2803	New insights into the gut microbiome in loggerhead sea turtles <i>Caretta caretta</i> stranded on the Mediterranean coast. <i>PLoS ONE</i> , 2019, 14, e0220329.	2.5	59
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2813	Effects of adding osmoprotectant on anaerobic digestion of kitchen waste with high level of salinity. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 723-732.	2.2	28
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2817	Differential soil fungus accumulation and density dependence of trees in a subtropical forest. <i>Science</i> , 2019, 366, 124-128.	12.6	157
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2820	Total and active soil fungal community profiles were significantly altered by six years of warming but not by grazing. <i>Soil Biology and Biochemistry</i> , 2019, 139, 107611.	8.8	59
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2822	Temporal Dynamics in Rumen Bacterial Community Composition of Finishing Steers during an Adaptation Period of Three Months. <i>Microorganisms</i> , 2019, 7, 410.	3.6	23
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2824	Effects of decabromodiphenyl ether on activity, abundance, and community composition of phosphorus mineralizing bacteria in eutrophic lake sediments. <i>Science of the Total Environment</i> , 2019, 695, 133785.	8.0	24
2825	Host availability drives distributions of fungal endophytes in the imperilled boreal realm. <i>Nature Ecology and Evolution</i> , 2019, 3, 1430-1437.	7.8	91
2826	Fast response of fungal and prokaryotic communities to climate change manipulation in two contrasting tundra soils. <i>Environmental Microbiomes</i> , 2019, 14, 6.	5.0	15
2827	Effect and microbial reaction mechanism of rice straw biochar on pore methane production during mainstream large-scale aerobic composting in China. <i>Journal of Cleaner Production</i> , 2019, 215, 1223-1232.	9.3	41
2828	<i>Bacteroides ovatus</i> ATCC 8483 monotherapy is superior to traditional fecal transplant and multi-strain bacteriotherapy in a murine colitis model. <i>Gut Microbes</i> , 2019, 10, 504-520.	9.8	59
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2832	Effects of rumen cannulation on dissolved gases and methanogen community in dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 2275-2282.	3.4	14

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2834	Tap water is one of the drivers that establish and assembly the lactic acid bacterium biota during sourdough preparation. <i>Scientific Reports</i> , 2019, 9, 570.	3.3	15
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2836	Characterization of bacterioplankton communities from a hatchery recirculating aquaculture system (RAS) for juvenile sole (<i>Solea senegalensis</i>) production. <i>PLoS ONE</i> , 2019, 14, e0211209.	2.5	15
2837	Spatio-temporal microbial community dynamics within soil aggregates. <i>Soil Biology and Biochemistry</i> , 2019, 132, 58-68.	8.8	98
2838	Structural and Functional Changes of Groundwater Bacterial Community During Temperature and pH Disturbances. <i>Microbial Ecology</i> , 2019, 78, 428-445.	2.8	18
2839	Structural and functional differentiation of the microbial community in the surface and subsurface peat of two minerotrophic fens in China. <i>Plant and Soil</i> , 2019, 437, 21-40.	3.7	22
2840	The occurrence of potato common scab correlates with the community composition and function of the geocaulosphere soil microbiome. <i>Microbiome</i> , 2019, 7, 14.	11.1	149
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2854	Effect of dietary fermented soybean meal on growth, intestinal morphology and microbiota in juvenile large yellow croaker, <i>Larimichthys crocea</i> . <i>Aquaculture Research</i> , 2019, 50, 748-757.	1.8	44
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2907	Diversity of tetracycline- and erythromycin-resistant bacteria in aerosols and manures from four types of animal farms in China. <i>Environmental Science and Pollution Research</i> , 2019, 26, 24213-24222.	5.3	20
2908	Improved synergistic dechlorination of PCP in flooded soil microcosms with supplementary electron donors, as revealed by strengthened connections of functional microbial interactome. <i>Soil Biology and Biochemistry</i> , 2019, 136, 107515.	8.8	27
2909	Estimating belowground plant abundance with DNA metabarcoding. <i>Molecular Ecology Resources</i> , 2019, 19, 1265-1277.	4.8	34
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2930	Investigation on methane yield of wheat husk anaerobic digestion and its enhancement effect by liquid digestate pretreatment. <i>Anaerobe</i> , 2019, 59, 92-99.	2.1	20
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2966	Effects of ozone treatment on performance and microbial community composition in biofiltration systems treating ethyl acetate vapours. <i>Chemosphere</i> , 2019, 233, 67-75.	8.2	13
2967	The negative impact of cadmium on nitrogen transformation processes in a paddy soil is greater under non-flooding than flooding conditions. <i>Environment International</i> , 2019, 129, 451-460.	10.0	59
2968	Co-occurrence patterns between bacterial and fungal communities in response to a vegetation gradient in a freshwater wetland. <i>Canadian Journal of Microbiology</i> , 2019, 65, 722-737.	1.7	17
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2976	Microbial community structure of soils in Bamenwan mangrove wetland. <i>Scientific Reports</i> , 2019, 9, 8406.	3.3	37
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2981	Enhancement of facultative anaerobic denitrifying communities by oxygen release from roots of the macrophyte in constructed wetlands. <i>Journal of Environmental Management</i> , 2019, 246, 157-163.	7.8	42
2982	Alteration of the fecal microbiota in North-Eastern Han Chinese population with sporadic Parkinson's disease. <i>Neuroscience Letters</i> , 2019, 707, 134297.	2.1	73
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2984	Analysis of marine microbial communities colonizing various metallic materials and rust layers. <i>Biofouling</i> , 2019, 35, 429-442.	2.2	39
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2988	Baseline information on prokaryotic and microeukaryotic plankton communities inside and outside of Indonesian marine lakes. <i>Journal of Sea Research</i> , 2019, 148-149, 23-32.	1.6	3
2989	Effect of Different Straw Return Modes on Soil Bacterial Community, Enzyme Activities and Organic Carbon Fractions. <i>Soil Science Society of America Journal</i> , 2019, 83, 638-648.	2.2	29
2990	Soil alkaline phosphatase activity and bacterial phoD gene abundance and diversity under long-term nitrogen and manure inputs. <i>Geoderma</i> , 2019, 349, 36-44.	5.1	72
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2998	Impacts of diel temperature variations on nitrogen removal and metacommunity of anammox biofilm reactors. <i>Water Research</i> , 2019, 160, 1-9.	11.3	42
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3125	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2019, 19, .	0.9	9
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3135	Consistent spatial distribution patterns of bacterial communities revealed by serial time-archived soils from long-term field experiments. Soil Biology and Biochemistry, 2019, 133, 137-145.	8.8	6
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3138	Amplicon sequencing reveals different microbial communities in living poplar wetwood and sapwood. Trees - Structure and Function, 2019, 33, 851-865.	1.9	5
3139	Characteristics of the Intestinal Microbiota in Very Low Birth Weight Infants With Extrauterine Growth Restriction. Frontiers in Pediatrics, 2019, 7, 99.	1.9	17

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3141	Comparison of nutrient retention efficiency between vertical-flow and floating treatment wetland mesocosms with and without biodegradable plastic. <i>Ecological Engineering</i> , 2019, 131, 120-130.	3.6	21
3142	Traditional starter cultures for enset fermentation: Unravelling their production and microbial composition. <i>Food Bioscience</i> , 2019, 29, 37-46.	4.4	5
3143	Profiling the Clostridia with butyrate-producing potential in the mud of Chinese liquor fermentation cellar. <i>International Journal of Food Microbiology</i> , 2019, 297, 41-50.	4.7	79
3144	Climate warming accelerates temporal scaling of grassland soil microbial biodiversity. <i>Nature Ecology and Evolution</i> , 2019, 3, 612-619.	7.8	82
3145	Characterization of the gut microbiota of invasive <i>Agrilus mali</i> Matsumara (Coleoptera: Buprestidae) using high-throughput sequencing: uncovering plant cell-wall degrading bacteria. <i>Scientific Reports</i> , 2019, 9, 4923.	3.3	29
3146	Species-specific enhancement of enterohemorrhagic <i>E. coli</i> pathogenesis mediated by microbiome metabolites. <i>Microbiome</i> , 2019, 7, 43.	11.1	102
3147	Rearing system causes changes of behavior, microbiome, and gene expression of chickens. <i>Poultry Science</i> , 2019, 98, 3365-3376.	3.4	35
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3151	Bacterial community response to cadmium contamination of agricultural paddy soil. <i>Applied Soil Ecology</i> , 2019, 139, 100-106.	4.3	77
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3153	The Gut Microbiome on a Periodized Low-Protein Diet Is Associated With Improved Metabolic Health. <i>Frontiers in Microbiology</i> , 2019, 10, 709.	3.5	14
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3155	Microbial groups and their functions control the decomposition of coniferous litter: A comparison with broadleaved tree litters. <i>Soil Biology and Biochemistry</i> , 2019, 133, 196-207.	8.8	55
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3159	Soil 16S DNA sequence data and corresponding soil property and wheat yield data from a 72-plot field experiment involving pulses and wheat crops grown in rotations in the semiarid prairie. Data in Brief, 2019, 23, 103790.	1.0	1
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3204	The drivers of bacterial community underlying biogeographical pattern in Mollisol area of China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 177, 93-99.	6.0	14
3205	Distribution of microbial communities in metal-contaminated nearshore sediment from Eastern Guangdong, China. <i>Environmental Pollution</i> , 2019, 250, 482-492.	7.5	59
3206	Performance and Microbial Community Dynamics in Anaerobic Digestion of Waste Activated Sludge: Impact of Immigration. <i>Energies</i> , 2019, 12, 573.	3.1	28
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3210	Spatial patterns of fungal endophytes in a subtropical montane rainforest of northern Taiwan. <i>Fungal Ecology</i> , 2019, 39, 316-327.	1.6	13
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3215	Bacterioplankton Community Composition Along Environmental Gradients in Lakes From Byers Peninsula (Maritime Antarctica) as Determined by Next-Generation Sequencing. <i>Frontiers in Microbiology</i> , 2019, 10, 908.	3.5	26
3216	Microbiota encompassing putative spoilage bacteria in retail packaged broiler meat and commercial broiler abattoir. <i>International Journal of Food Microbiology</i> , 2019, 300, 14-21.	4.7	50
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3228	Effects of dietary lipid sources on the intestinal microbiome and health of golden pompano (<i>Trachinotus ovatus</i>). <i>Fish and Shellfish Immunology</i> , 2019, 89, 187-197.	3.6	65
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3246	Latitudinal variation in mycorrhizal diversity associated with a European orchid. <i>Journal of Biogeography</i> , 2019, 46, 968-980.	3.0	28
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3254	Deep-Sea Biofilms, Historic Shipwreck Preservation and the Deepwater Horizon Spill. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	27
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3256	Nasal microbial composition and chronic otitis media with effusion: A case-control study. <i>PLoS ONE</i> , 2019, 14, e0212473.	2.5	20
3257	Succession of embryonic and the intestinal bacterial communities of Atlantic salmon (<i>Salmo</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.0	68
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3259	Alterations in intestinal microbiota of colorectal cancer patients receiving radical surgery combined with adjuvant CapeOx therapy. <i>Science China Life Sciences</i> , 2019, 62, 1178-1193.	4.9	42
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3262	Field evidence and grower perceptions on the roles of an omnivore, European earwig, in apple orchards. <i>Biological Control</i> , 2019, 132, 189-198.	3.0	22
3263	Acidogenic phosphorus recovery from the wastewater sludge of the membrane bioreactor systems with different iron-dosing modes. <i>Bioresource Technology</i> , 2019, 280, 360-370.	9.6	33
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3268	Molecular fungal community and its decomposition activity in sapwood and heartwood of 13 temperate European tree species. <i>PLoS ONE</i> , 2019, 14, e0212120.	2.5	55
3269	Two Strains of Lactobacilli Effectively Decrease the Colonization of VRE in a Mouse Model. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 6.	3.9	18
3270	Root-Associated Endophytic Bacterial Community Composition of <i>Pennisetum sinense</i> from Four Representative Provinces in China. <i>Microorganisms</i> , 2019, 7, 47.	3.6	13
3271	Transcriptomic and microbiota response on <i>Litopenaeus vannamei</i> intestine subjected to acute sulfide exposure. <i>Fish and Shellfish Immunology</i> , 2019, 88, 335-343.	3.6	33
3272	Impact of Nitrogen Fertilizer on the Mycorrhizal Inoculating Potential and Fungal Community Structure in Rhizosphere of Medicinal Plant <i>Curcuma longa</i> L.. <i>Geomicrobiology Journal</i> , 2019, 36, 385-395.	2.0	3
3273	Microbial species and biodiversity in settling dust within and between pig farms. <i>Environmental Research</i> , 2019, 171, 558-567.	7.5	49
3274	Unique Microbial Communities Inhabiting Underground Seawater in an Intertidal Area Utilized for Industrialized Aquaculture, as Compared with the Coastal Water. <i>Geomicrobiology Journal</i> , 2019, 36, 483-491.	2.0	3
3275	Spring Water of an Alpine Karst Aquifer Is Dominated by a Taxonomically Stable but Discharge-Responsive Bacterial Community. <i>Frontiers in Microbiology</i> , 2019, 10, 28.	3.5	23
3276	Dietary Lysozyme Alters Sow's Gut Microbiota, Serum Immunity and Milk Metabolite Profile. <i>Frontiers in Microbiology</i> , 2019, 10, 177.	3.5	22
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3429	TL1A Aggravates Cytokine-Induced Acute Gut Inflammation and Potentiates Infiltration of Intraepithelial Natural Killer Cells in Mice. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 510-523.	1.9	8
3430	Impact of Introduction of Arbuscular Mycorrhizal Fungi on the Root Microbial Community in Agricultural Fields. <i>Microbes and Environments</i> , 2019, 34, 23-32.	1.6	35
3431	The effect of introduction of chicken manure on the biodiversity and performance of an anaerobic digester. <i>Electronic Journal of Biotechnology</i> , 2019, 37, 25-33.	2.2	21
3432	Comparison of the gut microbiota of obese individuals from different geographic origins. <i>New Microbes and New Infections</i> , 2019, 27, 40-47.	1.6	12
3433	Addition of algicidal bacterium CZBC1 and molasses to inhibit cyanobacteria and improve microbial communities, water quality and shrimp performance in culture systems. <i>Aquaculture</i> , 2019, 502, 303-311.	3.5	24
3434	Intestinal homeostasis of juvenile tiger puffer <i>Takifugu rubripes</i> was sensitive to dietary arachidonic acid in terms of mucosal barrier and microbiota. <i>Aquaculture</i> , 2019, 502, 97-106.	3.5	31
3435	The Microbiome Stress Project: Toward a Global Meta-Analysis of Environmental Stressors and Their Effects on Microbial Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 3272.	3.5	126
3436	Feedbacks of plant identity and diversity on the diversity and community composition of rhizosphere microbiomes from a long-term biodiversity experiment. <i>Molecular Ecology</i> , 2019, 28, 863-878.	3.9	39
3437	The Influence of Bt Maize Cultivation on Communities of Arbuscular Mycorrhizal Fungi Revealed by MiSeq Sequencing. <i>Frontiers in Microbiology</i> , 2018, 9, 3275.	3.5	15
3438	Determination of microbiological characteristics in the digestive tract of different ruminant species. <i>MicrobiologyOpen</i> , 2019, 8, e00769.	3.0	17
3439	Biases in the metabarcoding of plant pathogens using rust fungi as a model system. <i>MicrobiologyOpen</i> , 2019, 8, e780.	3.0	16
3440	Puerariae Lobatae Radix with chuanxiong Rhizoma for treatment of cerebral ischemic stroke by remodeling gut microbiota to regulate the brain-gut barriers. <i>Journal of Nutritional Biochemistry</i> , 2019, 65, 101-114.	4.2	127
3441	Microbial desulfurization of ground tire rubber (GTR): Characterization of microbial communities and rheological and mechanical properties of GTR and natural rubber composites (GTR/NR). <i>Polymer Degradation and Stability</i> , 2019, 160, 102-109.	5.8	25
3442	Inhibiting antibiotic-resistant Enterobacteriaceae by microbiota-mediated intracellular acidification. <i>Journal of Experimental Medicine</i> , 2019, 216, 84-98.	8.5	135
3443	Oral microbiomes in children with asthma and dental caries. <i>Oral Diseases</i> , 2019, 25, 898-910.	3.0	14
3444	Treponema species enrich the gut microbiota of traditional rural populations but are absent from urban individuals. <i>New Microbes and New Infections</i> , 2019, 27, 14-21.	1.6	63
3445	Assessing fungal contributions to cellulose degradation in soil by using high-throughput stable isotope probing. <i>Soil Biology and Biochemistry</i> , 2019, 130, 150-158.	8.8	67

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3446	Microbial communities from the Huaibei Coalfield alter the physicochemical properties of coal in methanogenic bioconversion. <i>International Journal of Coal Geology</i> , 2019, 202, 85-94.	5.0	26
3447	Comparative study of cultures and next-generation sequencing in the diagnosis of shoulder prosthetic joint infections. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 1-8.	2.6	58
3448	Genomic variation and strain-specific functional adaptation in the human gut microbiome during early life. <i>Nature Microbiology</i> , 2019, 4, 470-479.	13.3	164
3449	Effects of the successive planting of <i>Eucalyptus urophylla</i> on soil bacterial and fungal community structure, diversity, microbial biomass, and enzyme activity. <i>Land Degradation and Development</i> , 2019, 30, 636-646.	3.9	80
3450	Moisture Is More Important than Temperature for Assembly of Both Potentially Active and Whole Prokaryotic Communities in Subtropical Grassland. <i>Microbial Ecology</i> , 2019, 77, 460-470.	2.8	28
3451	Cross-Biome Drivers of Soil Bacterial Alpha Diversity on a Worldwide Scale. <i>Ecosystems</i> , 2019, 22, 1220-1231.	3.4	71
3452	Heat-killed lactobacilli alter both microbiota composition and behaviour. <i>Behavioural Brain Research</i> , 2019, 362, 213-223.	2.2	76
3453	The microbiota of technosols resembles that of a nearby forest soil three years after their establishment. <i>Chemosphere</i> , 2019, 220, 600-610.	8.2	9
3454	Metagenomic profiles of different types of Italian high-moisture Mozzarella cheese. <i>Food Microbiology</i> , 2019, 79, 123-131.	4.2	65
3455	Spoilage microbial community profiling by 16S rRNA amplicon sequencing of modified atmosphere packaged live mussels stored at 4°C. <i>Food Research International</i> , 2019, 121, 568-576.	6.2	21
3456	Pathogen reservoir hypothesis investigated by analyses of the adenotonsillar and middle ear microbiota. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2019, 118, 103-109.	1.0	30
3457	Deciphering of microbial community and antibiotic resistance genes in activated sludge reactors under high selective pressure of different antibiotics. <i>Water Research</i> , 2019, 151, 388-402.	11.3	229
3458	Late gestation diet supplementation of resin acid-enriched composition increases sow colostrum immunoglobulin G content, piglet colostrum intake and improve sow gut microbiota. <i>Animal</i> , 2019, 13, 1599-1606.	3.3	21
3459	Commensal Gut Bacteria Convert the Immunosuppressant Tacrolimus to Less Potent Metabolites. <i>Drug Metabolism and Disposition</i> , 2019, 47, 194-202.	3.3	91
3460	Fully aerobic bioscrubber for the desulfurization of H ₂ S-rich biogas. <i>Fuel</i> , 2019, 241, 884-891.	6.4	49
3461	Bacterial community dynamics and physicochemical characteristics in natural fermentation of jiangshui, a traditional food made in northwest China. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3391-3397.	3.5	15
3462	The impact of OTU sequence similarity threshold on diatom-based bioassessment: A case study of the rivers of Mayotte (France, Indian Ocean). <i>Ecology and Evolution</i> , 2019, 9, 166-179.	1.9	55
3463	Many broadly-shared mycobionts characterize mycorrhizal interactions of two coexisting epiphytic orchids in a high elevation tropical forest. <i>Fungal Ecology</i> , 2019, 39, 26-36.	1.6	16

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3464	Effects of Dicafeoylquinic Acids from <i>Ilex kudingcha</i> on Lipid Metabolism and Intestinal Microbiota in High-Fat-Diet-Fed Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 171-183.	5.2	41
3465	Antidiabetic Potential of Green Seaweed <i>Enteromorpha prolifera</i> Flavonoids Regulating Insulin Signaling Pathway and Gut Microbiota in Type 2 Diabetic Mice. <i>Journal of Food Science</i> , 2019, 84, 165-173.	3.1	105
3466	Effect of in situ sediment remediation combining oyster shells and bottom microporous aeration on nitrogen removal and microbiota. <i>Aquaculture Research</i> , 2019, 50, 331-341.	1.8	7
3467	Fertilisation practice changes rhizosphere microbial community structure in the agroecosystem. <i>Annals of Applied Biology</i> , 2019, 174, 123-132.	2.5	16
3468	Flood pulse regulation of bacterioplankton community composition in an Amazonian floodplain lake. <i>Freshwater Biology</i> , 2019, 64, 108-120.	2.4	16
3469	Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development. <i>Anaerobe</i> , 2019, 55, 67-77.	2.1	78
3470	Gut microbiota dysbiosis correlates with a low-dose PCB126-induced dyslipidemia and non-alcoholic fatty liver disease. <i>Science of the Total Environment</i> , 2019, 653, 274-282.	8.0	65
3471	Methylococcaceae are the dominant active aerobic methanotrophs in a Chinese tidal marsh. <i>Environmental Science and Pollution Research</i> , 2019, 26, 636-646.	5.3	12
3472	Microbial nitrate removal efficiency in groundwater polluted from agricultural activities with hybrid cork treatment wetlands. <i>Science of the Total Environment</i> , 2019, 653, 723-734.	8.0	30
3473	Organic and inorganic amendments did not affect microbial community composition in the bulk soil differently but did change the relative abundance of selected taxa. <i>European Journal of Soil Science</i> , 2019, 70, 796-806.	3.9	7
3474	Genomic insights into the metabolism of <i>Candidatus</i> <i>Defluviicoccus seviourii</i> ™, a member of <i>Defluviicoccus</i> cluster III abundant in industrial activated sludge. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	17
3475	<i>pahE</i> , a Functional Marker Gene for Polycyclic Aromatic Hydrocarbon-Degrading Bacteria. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	46
3476	Cesarean Section Induces Microbiota-Regulated Immune Disturbances in C57BL/6 Mice. <i>Journal of Immunology</i> , 2019, 202, 142-150.	0.8	34
3477	Cyanobacterial diversity in the algal-bacterial consortia from Subarctic regions: new insights from the rock baths at White Sea Coast. <i>Hydrobiologia</i> , 2019, 830, 17-31.	2.0	15
3478	Use of convertible flow cells to simulate the impacts of anthropogenic activities on river biofilm bacterial communities. <i>Science of the Total Environment</i> , 2019, 653, 148-156.	8.0	18
3479	Quantifying long-term recurrence in planktonic microbial eukaryotes. <i>Molecular Ecology</i> , 2019, 28, 923-935.	3.9	79
3480	Adaptive shifts of bacterioplankton communities in response to nitrogen enrichment in a highly polluted river. <i>Environmental Pollution</i> , 2019, 245, 290-299.	7.5	55
3481	Effects of organic matter and low oxygen on the mycobenthos in a coastal lagoon. <i>Environmental Microbiology</i> , 2019, 21, 374-388.	3.8	41

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3482	Experimental Testing of Dispersal Limitation in Soil Bacterial Communities with a Propagule Addition Approach. <i>Microbial Ecology</i> , 2019, 77, 905-912.	2.8	4
3483	<i>Spartina alterniflora</i> invasion alters soil bacterial communities and enhances soil N ₂ O emissions by stimulating soil denitrification in mangrove wetland. <i>Science of the Total Environment</i> , 2019, 653, 231-240.	8.0	126
3484	Environmental and spatial variables determine the taxonomic but not functional structure patterns of microbial communities in alpine grasslands. <i>Science of the Total Environment</i> , 2019, 654, 960-968.	8.0	11
3485	Linking bacterial community composition to soil salinity along environmental gradients. <i>ISME Journal</i> , 2019, 13, 836-846.	9.8	283
3486	Response of freshwater sediment archaeal community to metal spill. <i>Chemosphere</i> , 2019, 217, 584-590.	8.2	26
3487	The co-existence of anammox genera in an expanded granular sludge bed reactor with biomass carriers for nitrogen removal. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1231-1242.	3.6	15
3488	Mixotrophic acidophiles increase cadmium soluble fraction and phytoextraction efficiency from cadmium contaminated soils. <i>Science of the Total Environment</i> , 2019, 655, 347-355.	8.0	30
3489	Altered fecal microbiota composition in the Flinders sensitive line rat model of depression. <i>Psychopharmacology</i> , 2019, 236, 1445-1457.	3.1	44
3490	Fungal aerosols at dairy farms using molecular and culture techniques. <i>Science of the Total Environment</i> , 2019, 653, 253-263.	8.0	37
3491	Highly effective treatment of petrochemical wastewater by a super-sized industrial scale plant with expanded granular sludge bed bioreactor and aerobic activated sludge. <i>Chemical Engineering Journal</i> , 2019, 360, 15-23.	12.7	57
3492	Silage fermentation and bacterial community of bur clover, annual ryegrass and their mixtures prepared with microbial inoculant and chemical additive. <i>Animal Feed Science and Technology</i> , 2019, 247, 285-293.	2.2	91
3493	Study on the ability of partially hydrolyzed guar gum to modulate the gut microbiota and relieve constipation. <i>Journal of Food Biochemistry</i> , 2019, 43, e12715.	2.9	18
3494	Population and Culture Age Influence the Microbiome Profiles of House Dust Mites. <i>Microbial Ecology</i> , 2019, 77, 1048-1066.	2.8	28
3495	Rutin's natural source <i>Flos Sophorae</i> as potential antioxidant and improver of fungal community in Chinese sausages. <i>LWT - Food Science and Technology</i> , 2019, 101, 435-443.	5.2	31
3496	Profiles of bacterial assemblages from microplastics of tropical coastal environments. <i>Science of the Total Environment</i> , 2019, 655, 313-320.	8.0	130
3497	Effect of ZFN-edited myostatin loss-of-function mutation on gut microbiota in Meishan pigs. <i>PLoS ONE</i> , 2019, 14, e0210619.	2.5	6
3498	Study of bacterial and fungal community structures in traditional koumiss from Inner Mongolia. <i>Journal of Dairy Science</i> , 2019, 102, 1972-1984.	3.4	34
3499	Response of soil microbial communities to the application of a formulated <i>Metarhizium brunneum</i> biocontrol strain. <i>Biocontrol Science and Technology</i> , 2019, 29, 547-564.	1.3	11

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3500	Insight into the correlation between biochar amendment and shifts in bacterial community 4 years after a single incorporation in soybean- and maize-planted soils in northeastern China. Canadian Journal of Microbiology, 2019, 65, 353-364.	1.7	8
3501	Increased methane concentration alters soil prokaryotic community structure along an artificial pH gradient. Annals of Microbiology, 2019, 69, 329-339.	2.6	6
3502	Effect of biological activated carbon filter depth and backwashing process on transformation of biofilm community. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	6.0	14
3503	Soil aluminum oxides determine biological nitrogen fixation and diazotrophic communities across major types of paddy soils in China. Soil Biology and Biochemistry, 2019, 131, 81-89.	8.8	61
3504	Characterization of the bacterial community composition in water of drinking water production and distribution systems in Flanders, Belgium. MicrobiologyOpen, 2019, 8, e00726.	3.0	18
3505	Understanding the roles of surface proteins in regulation of <i>Lactobacillus pentosus</i> HC-2 to immune response and bacterial diversity in midgut of <i>Litopenaeus vannamei</i> . Fish and Shellfish Immunology, 2019, 86, 1194-1206.	3.6	19
3506	Dietary supplementation of weaned piglets with a yeast-derived mannan-rich fraction modulates cecal microbial profiles, jejunal morphology and gene expression. Animal, 2019, 13, 1591-1598.	3.3	24
3507	Linking Exoproteome Function and Structure to Anammox Biofilm Development. Environmental Science & Technology, 2019, 53, 1490-1500.	10.0	77
3508	Copper Affects Composition and Functioning of Microbial Communities in Marine Biofilms at Environmentally Relevant Concentrations. Frontiers in Microbiology, 2018, 9, 3248.	3.5	30
3509	Bacterial communities involved directly or indirectly in the anaerobic degradation of cellulose. Biology and Fertility of Soils, 2019, 55, 201-211.	4.3	52
3510	Bacterial community and metabolome shifts in the cecum and colon of captive sika deer (<i>Cervus</i>)	2.8	11
3511	Effects of pulverized oyster mushroom (<i>Pleurotus ostreatus</i>) on diarrhea incidence, growth performance, immunity, and microbial composition in piglets. Journal of the Science of Food and Agriculture, 2019, 99, 3616-3627.	3.5	26
3512	High-throughput amplicon sequencing demonstrates extensive diversity of xylanase genes in the sediment of soda lake Dabusu. Biotechnology Letters, 2019, 41, 409-418.	2.2	2
3513	Impact of 36 years of nitrogen fertilization on microbial community composition and soil carbon cycling-related enzyme activities in rhizospheres and bulk soils in northeast China. Applied Soil Ecology, 2019, 136, 148-157.	4.3	74
3514	Bacterial and microeukaryotic plankton communities in a semi-intensive aquaculture system of sea bass (<i>Dicentrarchus labrax</i>): A seasonal survey. Aquaculture, 2019, 503, 59-69.	3.5	29
3515	Smart Food Waste Recycling Bin (S-FRB) to turn food waste into green energy resources. Journal of Environmental Management, 2019, 234, 290-296.	7.8	28
3516	Using a combination of PLFA and DNA-based sequencing analyses to detect shifts in the soil microbial community composition after a simulated spring precipitation in a semi-arid grassland in China. Science of the Total Environment, 2019, 657, 1237-1245.	8.0	38
3517	Impact of planktonic low nucleic acid-content bacteria to bacterial community structure and associated ecological functions in a shallow lake. Science of the Total Environment, 2019, 658, 868-878.	8.0	28

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3518	Community dynamics of free-living and particle-attached bacteria following a reservoir Microcystis bloom. <i>Science of the Total Environment</i> , 2019, 660, 501-511.	8.0	107
3519	Deterministic Assembly and Diversity Gradient Altered the Biofilm Community Performances of Bioreactors. <i>Environmental Science & Technology</i> , 2019, 53, 1315-1324.	10.0	109
3520	Metagenomic engineering of the mammalian gut microbiome in situ. <i>Nature Methods</i> , 2019, 16, 167-170.	19.0	164
3521	Preferential flow paths shape the structure of bacterial communities in a clayey till depth profile. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	13
3522	A randomised trial of probiotics to reduce severity of physiological and microbial disorders induced by partial gastrectomy for patients with gastric cancer. <i>Journal of Cancer</i> , 2019, 10, 568-576.	2.5	57
3523	The microbiomic and environmental analysis of sediments in the Indo-Pacific humpback dolphin (Sousa Tj ETQq1 1 0.784314 rgBT /Ove 2019, 26, 6957-6970.	5.3	8
3524	Environment-driven geographical distribution of bacterial communities and identification of indicator taxa in Songhua River. <i>Ecological Indicators</i> , 2019, 101, 62-70.	6.3	37
3525	Effects of operational disturbance and subsequent recovery process on microbial community during a pilot-scale anaerobic co-digestion. <i>International Biodeterioration and Biodegradation</i> , 2019, 138, 70-77.	3.9	16
3526	Metabolomics and bacterial diversity of packaged yellowfin tuna (<i>Thunnus albacares</i>) and salmon (<i>Salmo salar</i>) show fish species-specific spoilage development during chilled storage. <i>International Journal of Food Microbiology</i> , 2019, 293, 44-52.	4.7	80
3527	The effect of antimicrobial drug use on the composition of the genitourinary microbiota in an elderly population. <i>BMC Microbiology</i> , 2019, 19, 9.	3.3	21
3528	Response of Soil Fungal Community Structure to Long-Term Continuous Soybean Cropping. <i>Frontiers in Microbiology</i> , 2018, 9, 3316.	3.5	69
3529	Long Term Diversity and Distribution of Non-photosynthetic Cyanobacteria in Peri-Alpine Lakes. <i>Frontiers in Microbiology</i> , 2018, 9, 3344.	3.5	55
3530	Preventive Effect of Spontaneous Physical Activity on the Gut-Adipose Tissue in a Mouse Model That Mimics Crohn's Disease Susceptibility. <i>Cells</i> , 2019, 8, 33.	4.1	10
3531	Characteristics of atmospheric bacterial and fungal communities in PM2.5 following biomass burning disturbance in a rural area of North China Plain. <i>Science of the Total Environment</i> , 2019, 651, 2727-2739.	8.0	71
3532	How microbes cope with short-term N addition in a <i>Pinus tabuliformis</i> forest-ecological stoichiometry. <i>Geoderma</i> , 2019, 337, 630-640.	5.1	40
3533	<i>Bifidobacterium adolescentis</i> CGMCC 15058 alleviates liver injury, enhances the intestinal barrier and modifies the gut microbiota in d-galactosamine-treated rats. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 375-393.	3.6	51
3534	Severe bronchiolitis profiles and risk of recurrent wheeze by age 3Âyears. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1371-1379.e7.	2.9	64
3535	Probiotics improve gut microbiota dysbiosis in obese mice fed a high-fat or high-sucrose diet. <i>Nutrition</i> , 2019, 60, 175-184.	2.4	326

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3536	Change in microbial communities, soil enzyme and metabolic activity in a <i>Torreya grandis</i> plantation in response to root rot disease. <i>Forest Ecology and Management</i> , 2019, 432, 932-941.	3.2	25
3537	Suppression of banana Panama disease induced by soil microbiome reconstruction through an integrated agricultural strategy. <i>Soil Biology and Biochemistry</i> , 2019, 128, 164-174.	8.8	74
3538	The rhizomicrobiomes of wild and cultivated crops react differently to fungicides. <i>Archives of Microbiology</i> , 2019, 201, 477-486.	2.2	13
3539	Effects of temperature on <i>Paramoeba perurans</i> growth in culture and the associated microbial community. <i>Parasitology</i> , 2019, 146, 533-542.	1.5	10
3540	Effect of fecal microbiota transplantation route of administration on gut colonization and host response in preterm pigs. <i>ISME Journal</i> , 2019, 13, 720-733.	9.8	59
3541	Effect of temperature on the microflora community composition in the digestive tract of the veined rapa whelk (<i>Rapana venosa</i>) revealed by 16S rRNA gene sequencing. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 29, 145-153.	1.0	7
3542	Comparison of long-term ceramic membrane bioreactors without and with in-situ ozonation in wastewater treatment: Membrane fouling, effluent quality and microbial community. <i>Science of the Total Environment</i> , 2019, 652, 788-799.	8.0	47
3543	dbAMP: an integrated resource for exploring antimicrobial peptides with functional activities and physicochemical properties on transcriptome and proteome data. <i>Nucleic Acids Research</i> , 2019, 47, D285-D297.	14.5	93
3544	Different responses of absorptive roots and arbuscular mycorrhizal fungi to fertilization provide diverse nutrient acquisition strategies in Chinese fir. <i>Forest Ecology and Management</i> , 2019, 433, 64-72.	3.2	45
3545	The accumulation, histopathology, and intestinal microorganism effects of waterborne cadmium on <i>Carassius auratus gibelio</i> . <i>Fish Physiology and Biochemistry</i> , 2019, 45, 231-243.	2.3	24
3546	Colonization of <i>Cutibacterium avidum</i> during infant gut microbiota establishment. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	15
3547	Fungi participate in driving home-field advantage of litter decomposition in a subtropical forest. <i>Plant and Soil</i> , 2019, 434, 467-480.	3.7	51
3548	Impact of long-term agricultural management practices on soil prokaryotic communities. <i>Soil Biology and Biochemistry</i> , 2019, 129, 17-28.	8.8	109
3549	Bacterial community structure and succession in nests of two megachilid bee genera. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	40
3550	Comparison between kinetics of autochthonous marine bacteria in activated sludge and granular sludge systems at different salinity and SRTs. <i>Water Research</i> , 2019, 148, 425-437.	11.3	76
3551	Remitted affective disorders and high familial risk of affective disorders associate with aberrant intestinal microbiota. <i>Acta Psychiatrica Scandinavica</i> , 2019, 139, 174-184.	4.5	35
3552	Acid mine drainage affects the diversity and metal resistance gene profile of sediment bacterial community along a river. <i>Chemosphere</i> , 2019, 217, 790-799.	8.2	83
3553	Influence of pH on the balance between methanogenesis and iron reduction. <i>Geobiology</i> , 2019, 17, 185-198.	2.4	22

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3555	Change in the intestinal bacterial community structure associated with environmental microorganisms during the growth of <i>Eriocheir sinensis</i> . <i>MicrobiologyOpen</i> , 2019, 8, e00727.	3.0	28
3556	Host Developmental Toxicity of BPA and BPA Alternatives Is Inversely Related to Microbiota Disruption in Zebrafish. <i>Toxicological Sciences</i> , 2019, 167, 468-483.	3.1	62
3557	Proinflammatory Sulfur-Reducing Bacteria Are More Abundant in Colonic Biopsies of Patients with Microscopic Colitis Compared to Healthy Controls. <i>Digestive Diseases and Sciences</i> , 2019, 64, 432-438.	2.3	25
3558	Composition and diversity of endophytic bacterial community in seeds of super hybrid rice "Shenliangyou 5814" (Oryza sativa L.) and its parental lines. <i>Plant Growth Regulation</i> , 2019, 87, 257-266.	3.4	26
3559	Responses of paddy soil bacterial community assembly to different long-term fertilizations in southeast China. <i>Science of the Total Environment</i> , 2019, 656, 625-633.	8.0	73
3560	Tree species identity surpasses richness in affecting soil microbial richness and community composition in subtropical forests. <i>Soil Biology and Biochemistry</i> , 2019, 130, 113-121.	8.8	111
3561	Effect of fermentation system on the physicochemical and microbial community dynamics during onset (<i>Ensete ventricosum</i>) fermentation. <i>Journal of Applied Microbiology</i> , 2019, 126, 842-853.	3.1	10
3562	Fermenters in the earthworm gut: do transients matter?. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	18
3563	Trichoderma-Inoculation and Mowing Synergistically Altered Soil Available Nutrients, Rhizosphere Chemical Compounds and Soil Microbial Community, Potentially Driving Alfalfa Growth. <i>Frontiers in Microbiology</i> , 2018, 9, 3241.	3.5	32
3564	Structure and function of the bacterial and fungal gut microbiota of Neotropical butterflies. <i>Ecological Monographs</i> , 2019, 89, e01346.	5.4	56
3565	Linkages between Epithelial Microbiota and Host Transcriptome in the Ileum during High-Grain Challenges: Implications for Gut Homeostasis in Goats. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 551-561.	5.2	17
3566	Effects of dietary crude protein and tannic acid on rumen fermentation, rumen microbiota and nutrient digestion in beef cattle. <i>Archives of Animal Nutrition</i> , 2019, 73, 30-43.	1.8	21
3567	Dietary ursolic acid improves health span and life span in male <i>Drosophila melanogaster</i> . <i>BioFactors</i> , 2019, 45, 169-186.	5.4	39
3568	Analysis of Bacterial Communities in White Clover Seeds via High-Throughput Sequencing of 16S rRNA Gene. <i>Current Microbiology</i> , 2019, 76, 187-193.	2.2	5
3569	Local and landscape-scale heterogeneity shape spotted wing drosophila (<i>Drosophila suzukii</i>) activity and natural enemy abundance: Implications for trophic interactions. <i>Agriculture, Ecosystems and Environment</i> , 2019, 272, 86-94.	5.3	31
3570	DiTaxa: nucleotide-pair encoding of 16S rRNA for host phenotype and biomarker detection. <i>Bioinformatics</i> , 2019, 35, 2498-2500.	4.1	15
3571	Colitis-induced colorectal cancer and intestinal epithelial estrogen receptor beta impact gut microbiota diversity. <i>International Journal of Cancer</i> , 2019, 144, 3086-3098.	5.1	100

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3572	Positron emission tomography to visualise in-situ microbial metabolism in natural sediments. <i>Applied Radiation and Isotopes</i> , 2019, 144, 104-110.	1.5	7
3573	Dietary sanguinarine affected immune response, digestive enzyme activity and intestinal microbiota of Koi carp (<i>Cyprinus carpio</i>). <i>Aquaculture</i> , 2019, 502, 72-79.	3.5	31
3574	Is targeted community DNA metabarcoding suitable for biodiversity inventories of lichen-forming fungi?. <i>Ecological Indicators</i> , 2019, 98, 812-820.	6.3	13
3575	Mechanisms Underlying Microbial-Mediated Changes in Social Behavior in Mouse Models of Autism Spectrum Disorder. <i>Neuron</i> , 2019, 101, 246-259.e6.	8.1	477
3576	Effects of chlorination/chlorine dioxide disinfection on biofilm bacterial community and corrosion process in a reclaimed water distribution system. <i>Chemosphere</i> , 2019, 215, 62-73.	8.2	54
3577	Dibutyl phthalate contamination remodeled the fungal community in agro-environmental system. <i>Chemosphere</i> , 2019, 215, 189-198.	8.2	27
3578	Sex Differences in Pulmonary Responses to Ozone in Mice. Role of the Microbiome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 198-208.	2.9	49
3579	Microbial communities associated with phosphogenic sediments and phosphoclast-associated <scp>DNA</scp> of the Benguela upwelling system. <i>Geobiology</i> , 2019, 17, 76-90.	2.4	9
3580	Apple rootstocks of different nitrogen tolerance affect the rhizosphere bacterial community composition. <i>Journal of Applied Microbiology</i> , 2019, 126, 595-607.	3.1	15
3581	Bacterial community variations in paddy soils induced by application of veterinary antibiotics in plant-soil systems. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 44-53.	6.0	50
3582	Dynamics of geosmin-producing bacteria in a full-scale saltwater recirculated aquaculture system. <i>Aquaculture</i> , 2019, 500, 170-177.	3.5	11
3583	High-production dairy cattle exhibit different rumen and fecal bacterial community and rumen metabolite profile than low-production cattle. <i>MicrobiologyOpen</i> , 2019, 8, e00673.	3.0	38
3584	Response of ammonia-oxidizing archaea to heavy metal contamination in freshwater sediment. <i>Journal of Environmental Sciences</i> , 2019, 77, 392-399.	6.1	12
3585	Contrasting Soil Bacterial and Fungal Communities between the Swamp and Upland in the Boreal Forest and their Biogeographic Distribution Patterns. <i>Wetlands</i> , 2019, 39, 441-451.	1.5	2
3586	Fungal, Bacterial, and Archaeal Diversity in Soils Beneath Native and Introduced Plants in Fiji, South Pacific. <i>Microbial Ecology</i> , 2019, 78, 136-146.	2.8	8
3587	An improved method for utilizing high-throughput amplicon sequencing to determine the diets of insectivorous animals. <i>Molecular Ecology Resources</i> , 2019, 19, 176-190.	4.8	109
3588	Soil Characteristics Overwhelm Cultivar Effects on the Structure and Assembly of Root-Associated Microbiomes of Modern Maize. <i>Pedosphere</i> , 2019, 29, 360-373.	4.0	37
3589	A review of methods and databases for metagenomic classification and assembly. <i>Briefings in Bioinformatics</i> , 2019, 20, 1125-1136.	6.5	368

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3590	Functional sustainability of periphytic biofilms in organic matter and Cu ²⁺ removal during prolonged exposure to TiO ₂ nanoparticles. <i>Journal of Hazardous Materials</i> , 2019, 370, 4-12.	12.4	41
3591	Effect of starvation period on microbial community producing hydrogen from paperboard mill wastewater using anaerobic baffled reactor. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2389-2399.	2.2	8
3592	Enhanced reductive dechlorination of 1,1,1-trichloroethane using zero-valent iron-biochar-carrageenan microspheres: preparation and microcosm study. <i>Environmental Science and Pollution Research</i> , 2019, 26, 30584-30595.	5.3	13
3593	Influence of environmental factors on spatial-temporal distribution patterns of dinoflagellate cyst communities in the South China Sea. <i>Marine Biodiversity</i> , 2019, 49, 769-781.	1.0	4
3594	The Effect of Lean Seafood and Non-Seafood Diets on Fecal Metabolites and Gut Microbiome: Results from a Randomized Crossover Intervention Study. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1700976.	3.3	30
3595	Effects of redox potential on soil cadmium solubility: Insight into microbial community. <i>Journal of Environmental Sciences</i> , 2019, 75, 224-232.	6.1	87
3596	Comparison of bacterial communities associated with <i>Xestospongia testudinaria</i> , sediment and seawater in a Singaporean coral reef ecosystem. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 331-342.	0.8	3
3597	Influence of low FODMAP and gluten-free diets on disease activity and intestinal microbiota in patients with non-celiac gluten sensitivity. <i>Clinical Nutrition</i> , 2019, 38, 697-707.	5.0	89
3598	Computational profiling of the gut-brain axis: microflora dysbiosis insights to neurological disorders. <i>Briefings in Bioinformatics</i> , 2019, 20, 825-841.	6.5	27
3599	In vitro elucidation of suppression effects of composts to soil-borne pathogen <i>Phytophthora nicotianae</i> on pepper plants using 16S amplicon sequencing and metaproteomics. <i>Renewable Agriculture and Food Systems</i> , 2020, 35, 206-214.	1.8	9
3600	DNA-based diet analysis of mesopelagic fish from the southern Kerguelen Axis. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, .	1.4	17
3601	Relationships of Microbiome Markers With Extraintestinal, Psychological Distress and Gastrointestinal Symptoms, and Quality of Life in Women With Irritable Bowel Syndrome. <i>Journal of Clinical Gastroenterology</i> , 2020, 54, 175-183.	2.2	43
3602	Evaluation of microbial proliferation on cementitious materials exposed to biogas systems. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2439-2449.	2.2	7
3603	OBSOLETE: Bioinformatic Platforms for Metagenomics. , 2020, , .		0
3604	The drivers of soil bacterial communities in rubber plantation at local and geographic scales. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 358-369.	2.6	11
3605	Dynamic immunoglobulin responses to gut bacteria during inflammatory bowel disease. <i>Gut Microbes</i> , 2020, 11, 405-420.	9.8	44
3606	Biocontrol of Root Diseases and Growth Promotion of the Tuberous Plant <i>Aconitum carmichaelii</i> Induced by Actinomycetes Are Related to Shifts in the Rhizosphere Microbiota. <i>Microbial Ecology</i> , 2020, 79, 134-147.	2.8	30
3607	Belowground microbial communities respond to water deficit and are shaped by decades of maize hybrid breeding. <i>Environmental Microbiology</i> , 2020, 22, 889-904.	3.8	15

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3608	Mind and gut: Associations between mood and gastrointestinal distress in children exposed to adversity. <i>Development and Psychopathology</i> , 2020, 32, 309-328.	2.3	48
3609	Antibiotic exposure perturbs the bacterial community in the small brown planthopper <i>Laodelphax striatellus</i> . <i>Insect Science</i> , 2020, 27, 895-907.	3.0	28
3610	Potential pathogen communities in highly polluted river ecosystems: Geographical distribution and environmental influence. <i>Ambio</i> , 2020, 49, 197-207.	5.5	17
3611	Bioinformatics Tools for PacBio Sequenced Amplicon Data Pre-processing and Target Sequence Extraction. <i>Lecture Notes in Networks and Systems</i> , 2020, , 326-340.	0.7	0
3612	Effects of livestock manure properties and temperature on the methanogen community composition and methane production during storage. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 131-140.	2.2	10
3613	Do the microorganisms from laboratory culture spent growth medium affect house dust mite fitness and microbiome composition?. <i>Insect Science</i> , 2020, 27, 266-275.	3.0	8
3614	Microbiota comparison in the intestine of juvenile Chinese mitten crab <i>Eriocheir sinensis</i> fed different diets. <i>Aquaculture</i> , 2020, 515, 734518.	3.5	20
3615	Host-Associated Quantitative Abundance Profiling Reveals the Microbial Load Variation of Root Microbiome. <i>Plant Communications</i> , 2020, 1, 100003.	7.7	38
3616	Bacterial and Archaeal Communities in Sediments from the Adjacent Waters of Rushan Bay (China) Revealed by Illumina Sequencing. <i>Geomicrobiology Journal</i> , 2020, 37, 86-100.	2.0	9
3617	Soil properties and microbial communities are the main contributors to aboveground vegetative biomass in reseeded grassland after long-term growth. <i>Journal of Soils and Sediments</i> , 2020, 20, 824-835.	3.0	6
3618	Seed-Associated Fungal Diversity and the Molecular Identification of <i>Fusarium</i> with Potential Threat to Ginseng (<i>Panax ginseng</i>) in China. <i>Plant Disease</i> , 2020, 104, 330-339.	1.4	7
3619	Effect of different carbon sources on microbial community structure and composition of ex-situ biofloc formation. <i>Aquaculture</i> , 2020, 515, 734492.	3.5	36
3620	Comparative analysis of the gut microbiota of the blue fox (<i>Alopex lagopus</i>) and raccoon dog (<i>Nyctereutes procyonoides</i>). <i>Archives of Microbiology</i> , 2020, 202, 135-142.	2.2	12
3621	The diversity and biogeography of microeukaryotes in the euphotic zone of the northwestern Pacific Ocean. <i>Science of the Total Environment</i> , 2020, 698, 134289.	8.0	34
3622	Psoriatic lesions are characterized by higher bacterial load and imbalance between <i>Cutibacterium</i> and <i>Corynebacterium</i> . <i>Journal of the American Academy of Dermatology</i> , 2020, 82, 955-961.	1.2	54
3623	Abnormal aortic flow conduction is associated with increased viscous energy loss in patients with repaired tetralogy of Fallot. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 588-595.	1.4	18
3624	Plant-microorganisms interaction promotes removal of air pollutants in Milan (Italy) urban area. <i>Journal of Hazardous Materials</i> , 2020, 384, 121021.	12.4	29
3625	Interactions between biochar and nitrogen impact soil carbon mineralization and the microbial community. <i>Soil and Tillage Research</i> , 2020, 196, 104437.	5.6	73

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3626	The effects of ectomycorrhizal fungi on heavy metals™ transport in <i>Pinus massoniana</i> and bacteria community in rhizosphere soil in mine tailing area. <i>Journal of Hazardous Materials</i> , 2020, 381, 121203.	12.4	65
3627	Access mats partially mitigate direct traffic impacts on soil microbial communities in temperate grasslands. <i>Applied Soil Ecology</i> , 2020, 145, 103353.	4.3	1
3628	The association between gut microbiota development and maturation of intestinal bile acid metabolism in the first 3 y of healthy Japanese infants. <i>Cut Microbes</i> , 2020, 11, 205-216.	9.8	25
3629	Analysis of endophytic bacterial community diversity and metabolic correlation in <i>Cinnamomum camphora</i> . <i>Archives of Microbiology</i> , 2020, 202, 181-189.	2.2	13
3630	Digestibility of branched and linear α -gluco-oligosaccharides in vitro and in ileal-cannulated pigs. <i>Food Research International</i> , 2020, 127, 108726.	6.2	12
3631	High-throughput sequencing analysis of marine pioneer surface-biofilm bacteria communities on different PDMS-based coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110538.	5.0	11
3632	Effects of multi-year biofumigation on soil bacterial and fungal communities and strawberry yield. <i>Environmental Pollution</i> , 2020, 256, 113415.	7.5	20
3633	Marked changes in diversity and relative activity of picoeukaryotes with depth in the world ocean. <i>ISME Journal</i> , 2020, 14, 437-449.	9.8	80
3634	Consistent host and organ occupancy of phyllosphere bacteria in a community of wild herbaceous plant species. <i>ISME Journal</i> , 2020, 14, 245-258.	9.8	75
3635	Predatory Myxococcales are widely distributed in and closely correlated with the bacterial community structure of agricultural land. <i>Applied Soil Ecology</i> , 2020, 146, 103365.	4.3	47
3636	Factors Contributing to Interindividual Variation in Retronasal Odor Perception from Aroma Glycosides: The Role of Odorant Sensory Detection Threshold, Oral Microbiota, and Hydrolysis in Saliva. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10299-10309.	5.2	25
3637	Plant growth rate and nitrogen uptake shape rhizosphere bacterial community composition and activity in an agricultural field. <i>New Phytologist</i> , 2020, 225, 960-973.	7.3	69
3638	Neighbouring plants modify maize root foraging for phosphorus: coupling nutrients and neighbours for improved nutrient-use efficiency. <i>New Phytologist</i> , 2020, 226, 244-253.	7.3	66
3639	Partitioning between atmospheric deposition and canopy microbial nitrification into throughfall nitrate fluxes in a Mediterranean forest. <i>Journal of Ecology</i> , 2020, 108, 626-640.	4.0	20
3640	Mycobiont contribution to tundra plant acquisition of permafrost-derived nitrogen. <i>New Phytologist</i> , 2020, 226, 126-141.	7.3	34
3641	Co-occurring Fungal Functional Groups Respond Differently to Tree Neighborhoods and Soil Properties Across Three Tropical Rainforests in Panama. <i>Microbial Ecology</i> , 2020, 79, 675-685.	2.8	11
3642	Land use change from upland to paddy field in Mollisols drives soil aggregation and associated microbial communities. <i>Applied Soil Ecology</i> , 2020, 146, 103351.	4.3	40
3643	Selection and propagation of IncP conjugative plasmids following long-term anthropogenic metal pollution in river sediments. <i>Journal of Hazardous Materials</i> , 2020, 382, 121173.	12.4	9

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3644	The dynamics of volatile compounds and their correlation with the microbial succession during the traditional solid-state fermentation of Gutian Hong Qu glutinous rice wine. <i>Food Microbiology</i> , 2020, 86, 103347.	4.2	45
3645	<i>Paenibacillus polymyxa</i> improves the growth, immune and antioxidant activity, intestinal health, and disease resistance in <i>Litopenaeus vannamei</i> challenged with <i>Vibrio parahaemolyticus</i> . <i>Aquaculture</i> , 2020, 518, 734563.	3.5	36
3646	Diatom metabarcoding applied to large scale monitoring networks: Optimization of bioinformatics strategies using Mothur software. <i>Ecological Indicators</i> , 2020, 109, 105775.	6.3	41
3647	Divergent responses of soil bacterial communities in erosion-deposition plots on the Loess Plateau. <i>Geoderma</i> , 2020, 358, 113995.	5.1	40
3648	Enhanced reductive dechlorination of trichloroethene with immobilized <i>Clostridium butyricum</i> in silica gel. <i>Chemosphere</i> , 2020, 238, 124596.	8.2	18
3649	A Tripartite Microbial-Environment Network Indicates How Crucial Microbes Influence the Microbial Community Ecology. <i>Microbial Ecology</i> , 2020, 79, 342-356.	2.8	7
3650	Chemokines and their association with body mass index among healthy Saudis. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 6-11.	3.8	14
3651	Outcomes of a low birth weight phenotype on piglet gut microbial composition and intestinal transcriptomic profile. <i>Canadian Journal of Animal Science</i> , 2020, 100, 47-58.	1.5	2
3652	Temporal dynamics of mycorrhizal fungal communities and co-associations with grassland plant communities following experimental manipulation of rainfall. <i>Journal of Ecology</i> , 2020, 108, 515-527.	4.0	32
3653	Metagenomic insights into the changes in microbial community and antimicrobial resistance genes associated with different salt content of red pepper (<i>Capsicum annuum</i> L.) sauce. <i>Food Microbiology</i> , 2020, 85, 103295.	4.2	27
3654	Dose-dependent effect of compost amendment on soil bacterial community composition and co-occurrence network patterns in soybean agroecosystem. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1027-1041.	2.6	15
3655	Exploration of the Vaginal and Gut Microbiome in African American Women by Body Mass Index, Class of Obesity, and Gestational Weight Gain: A Pilot Study. <i>American Journal of Perinatology</i> , 2020, 37, 1160-1172.	1.4	12
3656	Impact of Sugarcane–Legume Intercropping on Diazotrophic Microbiome. <i>Sugar Tech</i> , 2020, 22, 52-64.	1.8	26
3657	Thermophilic waste air treatment of an airborne ethyl acetate/toluene mixture in a bubble column reactor: Stability towards temperature changes. <i>Journal of Hazardous Materials</i> , 2020, 384, 120744.	12.4	2
3658	Linking dissolved organic matter composition and bacterioplankton communities in an Amazon floodplain system. <i>Limnology and Oceanography</i> , 2020, 65, 63-76.	3.1	18
3659	Altered gut microbiota and mucosal immunity in patients with schizophrenia. <i>Brain, Behavior, and Immunity</i> , 2020, 85, 120-127.	4.1	137
3660	Defining microbial biomarkers for risk of preterm labor. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 151-159.	2.0	12
3661	Dietary administration of resistant starch improved caecal barrier function by enhancing intestinal morphology and modulating microbiota composition in meat duck. <i>British Journal of Nutrition</i> , 2020, 123, 172-181.	2.3	24

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3662	Electrochemically assisted sulfate reduction autotrophic denitrification nitrification integrated (e-SANIÂ®) process for high-strength ammonium industrial wastewater treatment. Chemical Engineering Journal, 2020, 381, 122707.	12.7	32
3663	Soil moisture and activity of nitrite- and nitrous oxide-reducing microbes enhanced nitrous oxide emissions in fallow paddy soils. Biology and Fertility of Soils, 2020, 56, 53-67.	4.3	48
3664	Source of hemolymph microbiota and their roles in the immune system of mud crab. Developmental and Comparative Immunology, 2020, 102, 103470.	2.3	26
3665	Community Composition of Nitrite Reductase Gene Sequences in an Acid Mine Drainage Environment. Microbial Ecology, 2020, 79, 562-575.	2.8	9
3666	Severe Intestinal Dysbiosis in Rat Models of Short Bowel Syndrome with Ileocecal Resection. Digestive Diseases and Sciences, 2020, 65, 431-441.	2.3	12
3667	Consequences of microbial diversity in forest nitrogen cycling: diverse ammonifiers and specialized ammonia oxidizers. ISME Journal, 2020, 14, 12-25.	9.8	61
3668	Evaluation of the ecological restoration of a coal mine dump by exploring the characteristics of microbial communities. Applied Soil Ecology, 2020, 147, 103430.	4.3	45
3669	Intake of Ganoderma lucidum polysaccharides reverses the disturbed gut microbiota and metabolism in type 2 diabetic rats. International Journal of Biological Macromolecules, 2020, 155, 890-902.	7.5	124
3670	Keeping up with introduced marine species at a remote biodiversity hotspot: awareness, training and collaboration across different sectors is key. Biological Invasions, 2020, 22, 749-771.	2.4	12
3671	Soil bacterial community differences along a coastal restoration chronosequence. Plant Ecology, 2020, 221, 795-811.	1.6	12
3672	Blood clams (Tegillarca granosa) bioturbation alter succession of bacterioplankton community and nutrient removal performance in an aquaculture wastewater bioremediation system. Aquaculture, 2020, 516, 734520.	3.5	7
3673	Salt is a main factor shaping community composition of arbuscular mycorrhizal fungi along a vegetation successional series in the Yellow River Delta. Catena, 2020, 185, 104318.	5.0	21
3674	eDNA metabarcoding in zooplankton improves the ecological status assessment of aquatic ecosystems. Environment International, 2020, 134, 105230.	10.0	53
3675	Detection and quantification of <i>Melissococcus plutonius</i> in honey bee workers exposed to European foulbrood in Czechia through conventional PCR, qPCR, and barcode sequencing. Journal of Apicultural Research, 2020, 59, 503-514.	1.5	12
3676	The fungal community and its interaction with the concentration of short-chain fatty acids in the faeces of Chenghua, Yorkshire and Tibetan pigs. Microbial Biotechnology, 2020, 13, 509-521.	4.2	17
3677	<scp>pime</scp>: A package for discovery of novel differences among microbial communities. Molecular Ecology Resources, 2020, 20, 415-428.	4.8	38
3678	PM2.5 from a broiler breeding production system: The characteristics and microbial community analysis. Environmental Pollution, 2020, 256, 113368.	7.5	30
3679	Exploring the accuracy of amplicon-based internal transcribed spacer markers for a fungal community. Molecular Ecology Resources, 2020, 20, 170-184.	4.8	49

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3680	Soil microbial activity and community composition as influenced by application of pig biogas slurry in paddy field in southeast China. <i>Paddy and Water Environment</i> , 2020, 18, 15-25.	1.8	12
3681	Bacterial communities in the solid, liquid, dorsal, and ventral epithelium fractions of yak (<i>Bos</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.0	43
3682	Distribution of Protists in the Deep South China Sea Revealed by High-Throughput Sequencing. <i>Journal of Ocean University of China</i> , 2020, 19, 161-170.	1.2	3
3683	Light and carbon sources addition alter microbial community in biofloc-based <i>Litopenaeus vannamei</i> culture systems. <i>Aquaculture</i> , 2020, 515, 734572.	3.5	28
3684	Long-term organic fertilization improves the productivity of kiwifruit (<i>Actinidia chinensis</i> Planch.) through increasing rhizosphere microbial diversity and network complexity. <i>Applied Soil Ecology</i> , 2020, 147, 103426.	4.3	56
3685	Seasonal variations of microbial assemblage in fine particulate matter from a nursery pig house. <i>Science of the Total Environment</i> , 2020, 708, 134921.	8.0	27
3686	Bacterial succession and the dynamics of flavor compounds in the Huangjiu fermented from corn. <i>Archives of Microbiology</i> , 2020, 202, 299-308.	2.2	15
3687	Abundant and diverse fungal microbiota inhabit the white females and brown cysts of the cereal cyst nematode. <i>Applied Soil Ecology</i> , 2020, 147, 103372.	4.3	7
3688	Short-term impact of fire-deposited charcoal on soil microbial community abundance and composition in a subtropical plantation in China. <i>Geoderma</i> , 2020, 359, 113992.	5.1	14
3689	High-risk Stage III colon cancer patients identified by a novel five-gene mutational signature are characterized by upregulation of IL-23A and gut bacterial translocation of the tumor microenvironment. <i>International Journal of Cancer</i> , 2020, 146, 2027-2035.	5.1	43
3690	The characteristics and correlation of the microbial communities and flavors in traditionally pickled radishes. <i>LWT - Food Science and Technology</i> , 2020, 118, 108804.	5.2	36
3691	Climatic vulnerabilities and ecological preferences of soil invertebrates across biomes. <i>Molecular Ecology</i> , 2020, 29, 752-761.	3.9	29
3692	Duodenal and rectal mucosal microbiota related to small intestinal bacterial overgrowth in diarrhea-predominant irritable bowel syndrome. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 795-805.	2.8	19
3693	Dietary Habits of 2- to 9-Year-Old American Children Are Associated with Gut Microbiome Composition. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2020, 120, 517-534.	0.8	34
3694	Can chlorination of ballast water reduce biological invasions?. <i>Journal of Applied Ecology</i> , 2020, 57, 331-343.	4.0	16
3695	Regional community assembly drivers and microbial environmental sources shaping bacterioplankton in an alpine lacustrine district (Pyrenees, Spain). <i>Environmental Microbiology</i> , 2020, 22, 297-309.	3.8	22
3696	The Role of Ames Dwarfism and Calorie Restriction on Gut Microbiota. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e1-e8.	3.6	16
3697	Analysis of bacterial communities in pit mud from Zhijiang Baijiu distillery using denaturing gradient gel electrophoresis and high-throughput sequencing. <i>Journal of the Institute of Brewing</i> , 2020, 126, 90-97.	2.3	10

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3699	Different substrates within a lake harbour connected but specialised microbial communities. Hydrobiologia, 2020, 847, 1689-1704.	2.0	17
3700	Cost-effective in-situ remediation technologies for complete mineralization of dyes contaminated soils. Chemosphere, 2020, 243, 125253.	8.2	8
3701	Characteristics of the archaeal and bacterial communities in core sediments from Southern Yap Trench via in situ sampling by the manned submersible Jiaolong. Science of the Total Environment, 2020, 703, 134884.	8.0	26
3702	Dietary resistant starch modifies the composition and function of caecal microbiota of broilers. Journal of the Science of Food and Agriculture, 2020, 100, 1274-1284.	3.5	38
3703	Bacterial communities in digestive and excretory organs of cicadas. Archives of Microbiology, 2020, 202, 539-553.	2.2	11
3704	Fish Gut Microbiome: A Primer to an Emerging Discipline in the Fisheries Sciences. Fisheries, 2020, 45, 271-282.	0.8	14
3705	Different toxic effects of ferulic and p-hydroxybenzoic acids on cucumber seedling growth were related to their different influences on rhizosphere microbial composition. Biology and Fertility of Soils, 2020, 56, 125-136.	4.3	39
3706	Characterization of the microbial community structure in intestinal segments of yak (<i>Bos grunniens</i>). Anaerobe, 2020, 61, 102115.	2.1	46
3707	Similarity in mycorrhizal communities associating with two widespread terrestrial orchids decays with distance. Journal of Biogeography, 2020, 47, 421-433.	3.0	38
3708	Initial soil community drives heathland fungal community trajectory over multiple years through altered plant-soil interactions. New Phytologist, 2020, 225, 2140-2151.	7.3	15
3709	Connecting through space and time: catchment-scale distributions of bacteria in soil, stream water and sediment. Environmental Microbiology, 2020, 22, 1000-1010.	3.8	31
3710	Effects of <i>Rhodotorula mucilaginosa</i> fermentation product on the laying performance, egg quality, jejunal mucosal morphology and intestinal microbiota of hens. Journal of Applied Microbiology, 2020, 128, 54-64.	3.1	19
3711	Biological nutrient removal from slaughterhouse wastewater via nitrification/denitrification using granular sludge: an onsite pilot demonstration. Journal of Chemical Technology and Biotechnology, 2020, 95, 111-122.	3.2	14
3712	Alleviating chronic kidney disease progression through modulating the critical genus of gut microbiota in a cisplatin-induced Lanyu pig model. Journal of Food and Drug Analysis, 2020, 28, 103-114.	1.9	21
3713	Bacteriome and Mycobiome in <i>Nicotiana tabacum</i> Fields Affected by Black Shank Disease. Plant Disease, 2020, 104, 315-319.	1.4	5
3714	Fire history and plant community composition outweigh decadal multi-factor global change as drivers of microbial composition in an annual grassland. Journal of Ecology, 2020, 108, 611-625.	4.0	19
3715	Wheat-associated microbiota and their correlation with stripe rust reaction. Journal of Applied Microbiology, 2020, 128, 544-555.	3.1	19

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3716	Effects of Continuous Sugar Beet Cropping on Rhizospheric Microbial Communities. <i>Genes</i> , 2020, 11, 13.	2.4	48
3717	Porcine Epidemic Diarrhea Altered Colonic Microbiota Communities in Suckling Piglets. <i>Genes</i> , 2020, 11, 44.	2.4	7
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3719	The vertical distribution of <i>tetA</i> and <i>int11</i> in a deep lake is rather due to sedimentation than to resuspension. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	8
3720	Exercise improves metabolic function and alters the microbiome in rats with gestational diabetes. <i>FASEB Journal</i> , 2020, 34, 1728-1744.	0.5	19
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3724	Characterization of the gut microbiome of black-necked cranes (<i>Grus nigricollis</i>) in six wintering areas in China. <i>Archives of Microbiology</i> , 2020, 202, 983-993.	2.2	27
3725	Significant Bacterial Distance-Decay Relationship in Continuous, Well-Connected Southern Ocean Surface Water. <i>Microbial Ecology</i> , 2020, 80, 73-80.	2.8	11
3726	Changes of microbial community structures associated with seedlings of <i>Saccharina japonica</i> at early stage of outbreak of green rotten disease. <i>Journal of Applied Phycology</i> , 2020, 32, 1323-1327.	2.8	8
3727	The plant organs and rhizosphere determine the common bean mycobiome. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 765-772.	2.0	10
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3735	Biodegradation of skatole by <i>Burkholderia</i> sp. IDO3 and its successful bioaugmentation in activated sludge systems. <i>Environmental Research</i> , 2020, 182, 109123.	7.5	21
3736	Progressive Microbial Community Networks with Incremental Organic Loading Rates Underlie Higher Anaerobic Digestion Performance. <i>MSystems</i> , 2020, 5, .	3.8	15
3737	Effects of Added Dietary Fiber and Rearing System on the Gut Microbial Diversity and Gut Health of Chickens. <i>Animals</i> , 2020, 10, 107.	2.3	23
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3745	Berberine ameliorates colonic damage accompanied with the modulation of dysfunctional bacteria and functions in ulcerative colitis rats. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1737-1749.	3.6	39
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3749	Soil microbial succession with soil development since costal reclamation. <i>Catena</i> , 2020, 187, 104393.	5.0	29
3750	Improved purified terephthalic acid wastewater treatment using combined UA-FB-SBR system: At mesophilic and ambient temperature. <i>Chemosphere</i> , 2020, 247, 125752.	8.2	15
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3769	Specific affinity and relative abundance of methanogens in acclimated anaerobic sludge treating low-strength wastewater. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 291-302.	3.6	6

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3826	Vertical selection for nuclear and mitochondrial genomes shapes gut microbiota and modifies risks for complex diseases. <i>Physiological Genomics</i> , 2020, 52, 1-14.	2.3	9
3827	Manganese and cobalt redox cycling in laterites; Biogeochemical and bioprocessing implications. <i>Chemical Geology</i> , 2020, 531, 119330.	3.3	22
3828	Gut microbiota differences during metamorphosis in sick and healthy giant spiny frogs (<i>Paa Tj ETQq0 0 0 rgBT /Qoverlock 10 Tf 50 5</i>)	2.2	16
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3832	Environmental factors determining distribution and activity of anammox bacteria in minerotrophic fen soils. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	5
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3836	Sulfur-oxidizing bacteria in full-scale biogas cleanup system of ethanol industry. <i>Renewable Energy</i> , 2020, 150, 965-972.	8.9	12
3837	Three kinds of ammonia oxidizing microorganisms play an important role in ammonia nitrogen self-purification in the Yellow River. <i>Chemosphere</i> , 2020, 243, 125405.	8.2	17
3838	Investigation of Kokumi Substances and Bacteria in Thai Fermented Freshwater Fish (Pla-ra). <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10345-10351.	5.2	25
3839	Changes in intestinal microflora in digestive tract diseases during pregnancy. <i>Archives of Gynecology and Obstetrics</i> , 2020, 301, 243-249.	1.7	21
3840	Shift of microbial community in gas-phase biofilters with different inocula, inlet loads and nitrogen sources. <i>Process Biochemistry</i> , 2020, 91, 57-64.	3.7	8
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3843	Short-Term Nitrogen Fertilization Affects Microbial Community Composition and Nitrogen Mineralization Functions in an Agricultural Soil. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	49
3844	Effect of <i>Helicobacter pylori</i> on gastrointestinal microbiota: a population-based study in Linqu, a high-risk area of gastric cancer. <i>Gut</i> , 2020, 69, 1598-1607.	12.1	179
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3851	The Impact of Producing Type and Dietary Crude Protein on Animal Performances and Microbiota Together with Greenhouse Gases Emissions in Growing Pigs. <i>Animals</i> , 2020, 10, 1742.	2.3	3
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3854	An Almond-Based Low Carbohydrate Diet Improves Depression and Glycometabolism in Patients with Type 2 Diabetes through Modulating Gut Microbiota and GLP-1: A Randomized Controlled Trial. <i>Nutrients</i> , 2020, 12, 3036.	4.1	64
3855	The Assessment of Diet Contaminated with Aflatoxin B1 in Juvenile Turbot (<i>Scophthalmus maximus</i>) and the Evaluation of the Efficacy of Mitigation of a Yeast Cell Wall Extract. <i>Toxins</i> , 2020, 12, 597.	3.4	22
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3859	Throat Microbial Community Structure and Functional Changes in Postsurgery Laryngeal Carcinoma Patients. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	14

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3861	Rapid recruitment of hydrogen-producing biofilms for hydrogen production in a moving bed biofilm reactor by a sequential immobilization and deoxygenization approach. <i>Bioresource Technology</i> , 2020, 317, 123979.	9.6	4
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3863	Longitudinal analysis of fecal microbiome and metabolome during renal fibrotic progression in a unilateral ureteral obstruction animal model. <i>European Journal of Pharmacology</i> , 2020, 886, 173555.	3.5	12
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4445	Effects of probiotic litchi juice on immunomodulatory function and gut microbiota in mice. <i>Food Research International</i> , 2020, 137, 109433.	6.2	43
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4449	Correlation and association analyses in microbiome study integrating multiomics in health and disease. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 171, 309-491.	1.7	103
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4467	The Snowmelt Niche Differentiates Three Microbial Life Strategies That Influence Soil Nitrogen Availability During and After Winter. <i>Frontiers in Microbiology</i> , 2020, 11, 871.	3.5	32
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4493	Disentangling the drivers of <i>Microcystis</i> decomposition: Metabolic profile and co-occurrence of bacterial community. <i>Science of the Total Environment</i> , 2020, 739, 140062.	8.0	23
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4495	Variation of soil nitrate and bacterial diversity along soil profiles in manure disposal maize field and adjacent woodland. <i>Journal of Soils and Sediments</i> , 2020, 20, 3557-3568.	3.0	11
4496	Meconium microbiota predicts clinical early-onset neonatal sepsis in preterm neonates. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 1935-1943.	1.5	11
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4511	Adaptive Variations of Sediment Microbial Communities and Indication of Fecal-Associated Bacteria to Nutrients in a Regulated Urban River. <i>Water</i> (Switzerland), 2020, 12, 1344.	2.7	6
4512	Diversity of the epiphytic bacterial communities associated with commercially cultivated healthy and diseased <i>Saccharina japonica</i> during the harvest season. <i>Journal of Applied Phycology</i> , 2020, 32, 2071-2080.	2.8	29
4513	Effect of dietary gossypol supplement on fermentation characteristics and bacterial diversity in the rumen of sheep. <i>PLoS ONE</i> , 2020, 15, e0234378.	2.5	7
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4533	Bacterial Communities on the Surface of the Mineral Sandy Soil from the Desert of Maine (USA). Current Microbiology, 2020, 77, 1429-1437.	2.2	12
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4535	Effects of reduced organic matter loading through membrane filtration on the microbial community dynamics in recirculating aquaculture systems (RAS) with Atlantic salmon parr (Salmo salar). Aquaculture, 2020, 524, 735268.	3.5	29
4536	Dynamic alterations in early intestinal development, microbiota and metabolome induced by in ovo feeding of L-arginine in a layer chick model. Journal of Animal Science and Biotechnology, 2020, 11, 19.	5.3	30
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4538	Disrupted tongue microbiota and detection of nonindigenous bacteria on the day of allogeneic hematopoietic stem cell transplantation. PLoS Pathogens, 2020, 16, e1008348.	4.7	22
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4551	Indicatory bacteria and chemical composition related to sulfur distribution in the river-lake systems. <i>Microbiological Research</i> , 2020, 236, 126453.	5.3	12
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4554	Richness of sputum microbiome in acute exacerbations of eosinophilic chronic obstructive pulmonary disease. <i>Chinese Medical Journal</i> , 2020, 133, 542-551.	2.3	13
4555	Effects of shade stress on turfgrasses morphophysiology and rhizosphere soil bacterial communities. <i>BMC Plant Biology</i> , 2020, 20, 92.	3.6	23
4556	Intestinal flora imbalance affects bile acid metabolism and is associated with gallstone formation. <i>BMC Gastroenterology</i> , 2020, 20, 59.	2.0	45
4557	Distinct Community Composition of Previously Uncharacterized Denitrifying Bacteria and Fungi across Different Land-Use Types. <i>Microbes and Environments</i> , 2020, 35, n/a.	1.6	10
4558	Petroleum Depletion Property and Microbial Community Shift After Bioremediation Using <i>Bacillus halotolerans</i> T-04 and <i>Bacillus cereus</i> 1-1. <i>Frontiers in Microbiology</i> , 2020, 11, 353.	3.5	16
4559	Effects of Different Fertilizers on Rhizosphere Bacterial Communities of Winter Wheat in the North China Plain. <i>Agronomy</i> , 2020, 10, 93.	3.0	24
4560	Effect of strip harvesting on bacterial diversity of forest soils in the Daxing'an Mountains. <i>Soil Science Society of America Journal</i> , 2020, 84, 512-521.	2.2	1
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4565	Changes in Microbiota Profiles After Prolonged Frozen Storage of Stool Suspensions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 77.	3.9	19
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4567	Quality Evaluation and Characterization of Specific Spoilage Organisms of Spanish Mackerel by High-Throughput Sequencing during 0 °C Cold Chain Logistics. <i>Foods</i> , 2020, 9, 312.	4.3	20
4568	Understanding the Response of Nitrifying Communities to Disturbance in the McMurdo Dry Valleys, Antarctica. <i>Microorganisms</i> , 2020, 8, 404.	3.6	13
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4570	Comparison of bacterial communities in channel catfish <i>Ictalurus punctatus</i> culture ponds of an industrial ecological purification recirculating aquaculture system. <i>Aquaculture Research</i> , 2020, 51, 2432-2442.	1.8	7
4571	Valorization of food waste and economical treatment: Effect of inoculation methods. <i>Journal of Cleaner Production</i> , 2020, 261, 121170.	9.3	26
4572	Effects of probiotics <i>Bacillus cereus</i> NY5 and <i>Alcaligenes faecalis</i> Y311 used as water additives on the microbiota and immune enzyme activities in three mucosal tissues in Nile tilapia <i>Oreochromis niloticus</i> reared in outdoor tanks. <i>Aquaculture Reports</i> , 2020, 17, 100309.	1.7	34
4573	Maternal carriage of <i>Prevotella</i> during pregnancy associates with protection against food allergy in the offspring. <i>Nature Communications</i> , 2020, 11, 1452.	12.8	84
4574	<i>Salmonella</i> persistence in soil depends on reciprocal interactions with indigenous microorganisms. <i>Environmental Microbiology</i> , 2020, 22, 2639-2652.	3.8	34
4575	The effects of daily fasting hours on shaping gut microbiota in mice. <i>BMC Microbiology</i> , 2020, 20, 65.	3.3	43
4576	Mineral-hosted biofilm communities in the continental deep subsurface, Deep Mine Microbial Observatory, SD, USA. <i>Geobiology</i> , 2020, 18, 508-522.	2.4	33
4577	Traditional Chinese Medicine Formula Kang Shuai Lao Pian Improves Obesity, Gut Dysbiosis, and Fecal Metabolic Disorders in High-Fat Diet-Fed Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 297.	3.5	46
4578	Metagenomic characterization of bacterial biofilm in four food processing plants in Colombia. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1259-1267.	2.0	14
4579	Effects of temperature, diet and genotype-induced variations on the gut microbiota of abalone. <i>Aquaculture</i> , 2020, 524, 735269.	3.5	18
4580	Effects of dietary raw or <i>Enterococcus faecium</i> fermented soybean meal on growth, antioxidant status, intestinal microbiota, morphology, and inflammatory responses in turbot (<i>Scophthalmus</i>)	1.6	10
4581	Simultaneous Metabarcoding of Eukaryotes and Prokaryotes to Elucidate the Community Structures within Tardigrade Microhabitats. <i>Diversity</i> , 2020, 12, 110.	1.7	8

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4583	Dynamic changes in gut microbiota under the influence of smoking and TNF- α -blocker in patients with ankylosing spondylitis. <i>Clinical Rheumatology</i> , 2020, 39, 2653-2661.	2.2	16
4584	Recovery of fen peatland microbiomes and predicted functional profiles after rewetting. <i>ISME Journal</i> , 2020, 14, 1701-1712.	9.8	39
4585	Fungal communities differentially respond to warming and drought in tropical grassland soil. <i>Molecular Ecology</i> , 2020, 29, 1550-1559.	3.9	41
4586	Critical transition of soil bacterial diversity and composition triggered by nitrogen enrichment. <i>Ecology</i> , 2020, 101, e03053.	3.2	98
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4588	Microecological Koch's postulates reveal that intestinal microbiota dysbiosis contributes to shrimp white feces syndrome. <i>Microbiome</i> , 2020, 8, 32.	11.1	126
4589	Gut Microbiome Profiles Are Associated With Type 2 Diabetes in Urban Africans. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 63.	3.9	95
4590	Impact of mariculture-derived microplastics on bacterial biofilm formation and their potential threat to mariculture: A case in situ study on the Sungo Bay, China. <i>Environmental Pollution</i> , 2020, 262, 114336.	7.5	63
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4595	Vulnerability and resistance in the spatial heterogeneity of soil microbial communities under resource additions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7263-7270.	7.1	22
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4602	Slope Position Rather Than Thinning Intensity Affects Arbuscular Mycorrhizal Fungi (AMF) Community in Chinese Fir Plantations. <i>Forests</i> , 2020, 11, 273.	2.1	12
4603	Effects of Hydraulic Retention Time and Influent Nitrate-N Concentration on Nitrogen Removal and the Microbial Community of an Aerobic Denitrification Reactor Treating Recirculating Marine Aquaculture System Effluent. <i>Water (Switzerland)</i> , 2020, 12, 650.	2.7	7
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4612	Keratinophilic fungi: Specialized fungal communities in a desert ecosystem identified using cultured-based and Illumina sequencing approaches. <i>Microbiological Research</i> , 2020, 239, 126530.	5.3	12
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4614	Soil bacterial communities in three rice-based cropping systems differing in productivity. <i>Scientific Reports</i> , 2020, 10, 9867.	3.3	18
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4616	Inhibition of methanogenesis by nitrate, with or without defaunation, in continuous culture. <i>Journal of Dairy Science</i> , 2020, 103, 7124-7140.	3.4	12
4617	Changes in Symbiotic Microbiota and Immune Responses in Early Development Stages of <i>Rapana venosa</i> (Valenciennes, 1846) Provide Insights Into Immune System Development in Gastropods. <i>Frontiers in Microbiology</i> , 2020, 11, 1265.	3.5	6

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4619	Ceramsite Facilitated Microbial Degradation of Pollutants in Domestic Wastewater. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4692.	2.6	7
4620	Evaluation of groundwater bacterial community composition to inform waterborne pathogen vulnerability assessments. <i>Science of the Total Environment</i> , 2020, 743, 140472.	8.0	10
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4622	The circadian disruption of night work alters gut microbiota consistent with elevated risk for future metabolic and gastrointestinal pathology. <i>Chronobiology International</i> , 2020, 37, 1067-1081.	2.0	32
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4628	Maternal microbiome regulation prevents early allergic airway diseases in mouse offspring. <i>Pediatric Allergy and Immunology</i> , 2020, 31, 962-973.	2.6	4
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4645	The Beta-Diversity of <i>Siganus fuscescens</i> -Associated Microbial Communities From Different Habitats Increases With Body Weight. <i>Frontiers in Microbiology</i> , 2020, 11, 1562.	3.5	9
4646	Keeping it cool: Soil sample cold pack storage and DNA shipment up to 1 month does not impact metabarcoding results. <i>Ecology and Evolution</i> , 2020, 10, 4652-4664.	1.9	20
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4662	Phylum-level diversity of the microbiome of the extremophilic basidiomycete fungus <i>Pisolithus arhizus</i> (Scop.) Rauschert: An island of biodiversity in a thermal soil desert. <i>MicrobiologyOpen</i> , 2020, 9, e1062.	3.0	9
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4667	Changes of the human skin microbiota upon chronic exposure to polycyclic aromatic hydrocarbon pollutants. <i>Microbiome</i> , 2020, 8, 100.	11.1	58
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4677	Osmotic stress induces gut microbiota community shift in fish. <i>Environmental Microbiology</i> , 2020, 22, 3784-3802.	3.8	31
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4692	Urbanization drives riverine bacterial antibiotic resistome more than taxonomic community at watershed scale. <i>Environment International</i> , 2020, 137, 105524.	10.0	76
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4696	c-FLIP is crucial for IL-7/IL-15-dependent NKp46+ ILC development and protection from intestinal inflammation in mice. <i>Nature Communications</i> , 2020, 11, 1056.	12.8	12
4697	Analysis of bacterial and fungal communities in continuous-cropping ramie (<i>Boehmeria nivea</i> L. Gaud) fields in different areas in China. <i>Scientific Reports</i> , 2020, 10, 3264.	3.3	22
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4707	The effect of dietary cecropin AD on intestinal health, immune response and disease resistance of juvenile turbot (<i>Scophthalmus maximus</i> L.). <i>Fish and Shellfish Immunology</i> , 2020, 100, 117-125.	3.6	30

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4710	Distinct mechanisms shape soil bacterial and fungal co-occurrence networks in a mountain ecosystem. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	62
4711	Functional relationships between aboveground and belowground spinach (<i>Spinacia oleracea</i> L., cv.) Tj ETQq1 1 0.784314 rgBT /Overlo 137207.	8.0	16
4712	Network analysis infers the wilt pathogen invasion associated with non-detrimental bacteria. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 8.	6.4	68
4713	The function of <i>Apostichopus japonicas</i> catalase in sea cucumber intestinal immunity. <i>Aquaculture</i> , 2020, 521, 735103.	3.5	10
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4716	Gut microbial taxa as potential predictive biomarkers for acute coronary syndrome and post-STEMI cardiovascular events. <i>Scientific Reports</i> , 2020, 10, 2639.	3.3	48
4717	Differentiation strategies of soil rare and abundant microbial taxa in response to changing climatic regimes. <i>Environmental Microbiology</i> , 2020, 22, 1327-1340.	3.8	164
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4719	Parallel Microbial Ecology of <i>Pasteuria</i> and Nematode Species in Scottish Soils. <i>Frontiers in Plant Science</i> , 2019, 10, 1763.	3.6	9
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4721	Divergent gross nitrogen transformation paths in the topsoil and subsoil between abandoned and agricultural cultivation land in irrigated areas. <i>Science of the Total Environment</i> , 2020, 716, 137148.	8.0	15
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4723	Fecal bacterial community of finishing beef steers fed ruminally protected and non-protected active dried yeast. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	11
4724	Whole genomic sequencing and sex-dependent abundance estimation of <i>Cardinium</i> sp., a common and hyperabundant bacterial endosymbiont of the American house dust mite, <i>Dermatophagoides farinae</i> . <i>Experimental and Applied Acarology</i> , 2020, 80, 363-380.	1.6	24
4725	Soil properties explain tree growth and mortality, but not biomass, across phosphorus-depleted tropical forests. <i>Scientific Reports</i> , 2020, 10, 2302.	3.3	74

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4727	Nitrate Stabilizes the Rhizospheric Fungal Community to Suppress Fusarium Wilt Disease in Cucumber. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 590-599.	2.6	17
4728	Tailoring Hydrothermal Vent Biodiversity Toward Improved Biodiscovery Using a Novel in situ Enrichment Strategy. <i>Frontiers in Microbiology</i> , 2020, 11, 249.	3.5	14
4729	<i>Myzus persicae</i> (Hemiptera: Aphididae) infestation increases the risk of bacterial contamination and alters nutritional content in storage Chinese cabbage. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3007-3012.	3.5	4
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4731	Using high-throughput sequencing quantitatively to investigate soil nematode community composition in a steppe-forest ecotone. <i>Applied Soil Ecology</i> , 2020, 152, 103562.	4.3	38
4732	Methane emission suppression in flooded soil from Amazonia. <i>Chemosphere</i> , 2020, 250, 126263.	8.2	19
4733	Dissociation of Adaptive Thermogenesis from Glucose Homeostasis in Microbiome-Deficient Mice. <i>Cell Metabolism</i> , 2020, 31, 592-604.e9.	16.2	54
4734	Integrated assessment of west coast of South Korea by use of benthic bacterial community structure as determined by eDNA, concentrations of contaminants, and in vitro bioassays. <i>Environment International</i> , 2020, 137, 105569.	10.0	5
4735	Linkages between nutrient ratio and the microbial community in rhizosphere soil following fertilizer management. <i>Environmental Research</i> , 2020, 184, 109261.	7.5	47
4736	Saikosaponin-d ameliorates dextran sulfate sodium-induced colitis by suppressing NF- κ B activation and modulating the gut microbiota in mice. <i>International Immunopharmacology</i> , 2020, 81, 106288.	3.8	59
4737	Supplementation with nanobubble water alleviates obesity-associated markers through modulation of gut microbiota in high-fat diet fed mice. <i>Journal of Functional Foods</i> , 2020, 67, 103820.	3.4	10
4738	Similar drivers but different effects lead to distinct ecological patterns of soil bacterial and archaeal communities. <i>Soil Biology and Biochemistry</i> , 2020, 144, 107759.	8.8	83
4739	Combined Application of Organic and Inorganic Nitrogen Fertilizers Affects Soil Prokaryotic Communities Compositions. <i>Agronomy</i> , 2020, 10, 132.	3.0	26
4740	The Potential Application of Microorganisms for Sustainable Petroleum Recovery from Heavy Oil Reservoirs. <i>Sustainability</i> , 2020, 12, 15.	3.2	25
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4745	Role of microbial diversity for sustainable pyrite oxidation control in acid and metalliferous drainage prevention. <i>Journal of Hazardous Materials</i> , 2020, 393, 122338.	12.4	19
4746	Enrichment of potentially beneficial bacteria from the consistent microbial community confers canker resistance on tomato. <i>Microbiological Research</i> , 2020, 234, 126446.	5.3	4
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4748	Bacterial community responses to tourism development in the Xixi National Wetland Park, China. <i>Science of the Total Environment</i> , 2020, 720, 137570.	8.0	40
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4752	High-throughput sequencing provides insight into manipulated soil fungal community structure and diversity during temperate forest restoration. <i>Restoration Ecology</i> , 2020, 28, S365.	2.9	7
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4757	Effects of aerosol pollution on PM _{2.5} -associated bacteria in typical inland and coastal cities of northern China during the winter heating season. <i>Environmental Pollution</i> , 2020, 262, 114188.	7.5	61
4758	Variations in the gut microbiota of sympatric <i>Presbytis</i> langurs and rhesus macaques living in limestone forests in southwest Guangxi, China. <i>Global Ecology and Conservation</i> , 2020, 22, e00929.	2.1	14
4759	Microalgae-bacteria interaction in palm oil mill effluent treatment. <i>Journal of Water Process Engineering</i> , 2020, 35, 101203.	5.6	37
4760	Fate and driving factors of antibiotic resistance genes in an integrated swine wastewater treatment system: From wastewater to soil. <i>Science of the Total Environment</i> , 2020, 721, 137654.	8.0	36
4761	Decoupled diversity patterns in bacteria and fungi across continental forest ecosystems. <i>Soil Biology and Biochemistry</i> , 2020, 144, 107763.	8.8	78

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4772	Effect of berberine on spleen transcriptome and gut microbiota composition in experimental autoimmune uveitis. <i>International Immunopharmacology</i> , 2020, 81, 106270.	3.8	14
4773	Discoloration of rhodamine b dye by white-rot fungi in solid bleached sulfate paperboard coated with polyethylene terephthalate: scale-up into non-sterile packed-bed bioreactor. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103685.	6.7	10
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4775	Alteration of the gut microbiome in first-episode drug-naïve and chronic medicated schizophrenia correlate with regional brain volumes. <i>Journal of Psychiatric Research</i> , 2020, 123, 136-144.	3.1	68
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4777	Two-year study of biochar: Achieving excellent capability of potassium supply via alter clay mineral composition and potassium-dissolving bacteria activity. <i>Science of the Total Environment</i> , 2020, 717, 137286.	8.0	43
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4781	<i>Myriophyllum elatinoides</i> growth and rhizosphere bacterial community structure under different nitrogen concentrations in swine wastewater. <i>Bioresource Technology</i> , 2020, 301, 122776.	9.6	13
4782	Effects of dietary <i>Radix Rehmanniae Preparata</i> polysaccharides on the digestive enzymes, morphology, microbial communities and mucosal barrier function of the intestine of <i>Luciobarbus capito</i> . <i>Aquaculture Research</i> , 2020, 51, 1026-1037.	1.8	7
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4784	Ruminal Microbiota and Fermentation in Response to Dietary Protein and Energy Levels in Weaned Lambs. <i>Animals</i> , 2020, 10, 109.	2.3	20
4785	Diversity, compositional and functional differences between gut microbiota of children and adults. <i>Scientific Reports</i> , 2020, 10, 1040.	3.3	89
4786	Metabarcoding demonstrates dietary niche partitioning in two coexisting blackfish species. <i>Marine and Freshwater Research</i> , 2020, 71, 512.	1.3	6
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4794	Differences in distribution of functional microorganism at DNA and cDNA levels in cow manure composting. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110161.	6.0	15
4795	<i>Alcaligenaceae</i> and <i>Chromatiaceae</i> as pollution bacterial bioindicators in palm oil mill effluent (POME) final discharge polluted rivers. <i>Ecological Indicators</i> , 2020, 111, 106048.	6.3	8
4796	Using MicrobiomeAnalyst for comprehensive statistical, functional, and meta-analysis of microbiome data. <i>Nature Protocols</i> , 2020, 15, 799-821.	12.0	1,019
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4799	Changes in microbial community structure during pig manure composting and its relationship to the fate of antibiotics and antibiotic resistance genes. <i>Journal of Hazardous Materials</i> , 2020, 389, 122082.	12.4	103
4800	Directional culture of petroleum hydrocarbon degrading bacteria for enhancing crude oil recovery. <i>Journal of Hazardous Materials</i> , 2020, 390, 122160.	12.4	22
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4803	The global-scale distributions of soil protists and their contributions to belowground systems. <i>Science Advances</i> , 2020, 6, eaax8787.	10.3	263
4804	Association between baseline abundance of <i>Peptoniphilus</i> , a Gram-positive anaerobic coccus, and wound healing outcomes of DFUs. <i>PLoS ONE</i> , 2020, 15, e0227006.	2.5	24
4805	Influence of Soil Organic Carbon on the Aroma of Tobacco Leaves and the Structure of Microbial Communities. <i>Current Microbiology</i> , 2020, 77, 931-942.	2.2	5
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4813	A pregnancy complication-dependent change in SIgA-targeted microbiota during third trimester. <i>Food and Function</i> , 2020, 11, 1513-1524.	4.6	23
4814	Pre- and Post-Race Intestinal Microbiota in Long-Distance Sled Dogs and Associations with Performance. <i>Animals</i> , 2020, 10, 204.	2.3	5
4815	Biodiversity and richness shifts of mucosa-associated gut microbiota with progression of colorectal cancer. <i>Research in Microbiology</i> , 2020, 171, 107-114.	2.1	18

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4831	Study on indoor and outdoor permeability coefficients and bacterial components, sources of fine particles in severe cold region of China. Sustainable Cities and Society, 2020, 55, 102020.	10.4	5
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4836	Evidence for Co-evolutionary History of Early Diverging Lycopodiaceae Plants With Fungi. <i>Frontiers in Microbiology</i> , 2019, 10, 2944.	3.5	18
4837	Metagenomics methods for the study of plant-associated microbial communities: A review. <i>Journal of Microbiological Methods</i> , 2020, 170, 105860.	1.6	91
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4840	Comparing bioinformatic pipelines for microbial 16S rRNA amplicon sequencing. <i>PLoS ONE</i> , 2020, 15, e0227434.	2.5	282
4841	Molecular sequencing and morphological identification reveal similar patterns in native bee communities across public and private grasslands of eastern North Dakota. <i>PLoS ONE</i> , 2020, 15, e0227918.	2.5	7
4842	Respiratory dysbiosis and population-wide temporal dynamics in canine chronic bronchitis and non-inflammatory respiratory disease. <i>PLoS ONE</i> , 2020, 15, e0228085.	2.5	6
4843	Effects of <i>Bacillus velezensis</i> FKM10 for Promoting the Growth of <i>Malus hupehensis</i> Rehd. and Inhibiting <i>Fusarium verticillioides</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2889.	3.5	52
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4846	Relevance of biochar to influence the bacterial succession during pig manure composting. <i>Bioresource Technology</i> , 2020, 304, 122962.	9.6	91
4847	Ecological diversity, evolution and metabolism of microbial communities in the wet fermentation of Australian coffee beans. <i>International Journal of Food Microbiology</i> , 2020, 321, 108544.	4.7	68
4848	Putting the microbiota to work: Epigenetic effects of early life antibiotic treatment are associated with immune-related pathways and reduced epithelial necrosis following <i>Salmonella Typhimurium</i> challenge in vitro. <i>PLoS ONE</i> , 2020, 15, e0231942.	2.5	5
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4853	Rain-shelter cultivation influence rhizosphere bacterial community structure in pear and its relationship with fruit quality of pear and soil chemical properties. <i>Scientia Horticulturae</i> , 2020, 269, 109419.	3.6	14
4854	Dysbiosis of Fecal Microbiota in Allergic Rhinitis Patients. <i>American Journal of Rhinology and Allergy</i> , 2020, 34, 650-660.	2.0	20
4855	Influenza infection elicits an expansion of gut population of endogenous <i>Bifidobacterium animalis</i> which protects mice against infection. <i>Genome Biology</i> , 2020, 21, 99.	8.8	73
4856	Glucitol-core containing gallotannins-enriched red maple (<i>Acer rubrum</i>) leaves extract alleviated obesity via modulating short-chain fatty acid production in high-fat diet-fed mice. <i>Journal of Functional Foods</i> , 2020, 70, 103970.	3.4	15
4857	Gut dysbiosis associated with clinical prognosis of patients with primary biliary cholangitis. <i>Hepatology Research</i> , 2020, 50, 840-852.	3.4	46
4858	Impact of smoking cessation, coffee and bread consumption on the intestinal microbial composition among Saudis: A cross-sectional study. <i>PLoS ONE</i> , 2020, 15, e0230895.	2.5	19
4859	Captivity Influences Gut Microbiota in Crocodile Lizards (<i>Shinisaurus crocodilurus</i>). <i>Frontiers in Microbiology</i> , 2020, 11, 550.	3.5	27
4860	Probiotic Consortia: Reshaping the Rhizospheric Microbiome and Its Role in Suppressing Root-Rot Disease of <i>Panax notoginseng</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 701.	3.5	43
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5010	Effect of natural microbiome and culturable biosurfactants-producing bacterial consortia of freshwater lake on petroleum-hydrocarbon degradation. Science of the Total Environment, 2021, 751, 141720.	8.0	47
5011	Partitioning Nitrospira community structure and co-occurrence patterns in a long-term inorganic and organic fertilization soil. Journal of Soils and Sediments, 2021, 21, 1099-1108.	3.0	11
5012	Toxicological effects of microplastics in Litopenaeus vannamei as indicated by an integrated microbiome, proteomic and metabolomic approach. Science of the Total Environment, 2021, 761, 143311.	8.0	45
5013	Roles of nitrite in mediating the composition and metacommunity of multispecies biofilms. Journal of Water Process Engineering, 2021, 40, 101764.	5.6	12

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5014	Molecular techniques for understanding microbial abundance and activity in clay barriers used for geodisposal. , 2021, , 71-96.		1
5015	The effects of adsorptive materials on microbial community composition and PAH degradation at the sediment capâ€“water interface. International Journal of Sediment Research, 2021, 36, 555-565.	3.5	4
5016	Disentangling the role of salinity-sodicity in shaping soil microbiome along a natural saline-sodic gradient. Science of the Total Environment, 2021, 765, 142738.	8.0	39
5017	Effects of different levels of rapeseed cake containing high glucosinolates in steer ration on rumen fermentation, nutrient digestibility and the rumen microbial community. British Journal of Nutrition, 2021, 125, 266-274.	2.3	8
5018	The limited spatial scale of dispersal in soil arthropods revealed with wholeâ€“community haplotypeâ€“level metabarcoding. Molecular Ecology, 2021, 30, 48-61.	3.9	49
5019	Regression Models for Compositional Data: General Log-Contrast Formulations, Proximal Optimization, and Microbiome Data Applications. Statistics in Biosciences, 2021, 13, 217-242.	1.2	15
5020	Metabarcoding unsorted kickâ€“samples facilitates macroinvertebrateâ€“based biomonitoring with increased taxonomic resolution, while outperforming environmental DNA. Environmental DNA, 2021, 3, 353-371.	5.8	16
5021	AmpliCI: a high-resolution model-based approach for denoising Illumina amplicon data. Bioinformatics, 2021, 36, 5151-5158.	4.1	15
5022	Local and Geographic Factors Shape the Occupancy-Frequency Distribution of Freshwater Bacteria. Microbial Ecology, 2021, 81, 26-35.	2.8	4
5023	Electrochemical biofilm control by reconstructing microbial community in agricultural water distribution systems. Journal of Hazardous Materials, 2021, 403, 123616.	12.4	20
5024	The intestinal microbiome of an Indoâ€“Pacific humpback dolphin (<i>Sousa chinensis</i>) stranded near the Pearl River Estuary, China. Integrative Zoology, 2021, 16, 287-299.	2.6	12
5025	Modulation of rumen fermentation and microbial community through increasing dietary cationâ€“anion difference in Chinese Holstein dairy cows under heat stress conditions. Journal of Applied Microbiology, 2021, 130, 722-735.	3.1	8
5026	Screening design of nutritional and physicochemical parameters on bio-hydrogen and volatile fatty acids production from Citrus Peel Waste in batch reactors. International Journal of Hydrogen Energy, 2021, 46, 7794-7809.	7.1	12
5027	Effects of dietary fibers with different physicochemical properties on fermentation kinetics and microbial composition by fecal inoculum from lactating sows <i>in vitro</i> . Journal of the Science of Food and Agriculture, 2021, 101, 907-917.	3.5	15
5028	Bioinformatic identification of key pathways, hub genes, and microbiota for therapeutic intervention in <i>Helicobacter pylori</i> infection. Journal of Cellular Physiology, 2021, 236, 1158-1183.	4.1	4
5029	Long term natural restoration creates soilâ€“like microbial communities in bauxite residue: A 50â€“year filed study. Land Degradation and Development, 2021, 32, 1606-1617.	3.9	14
5030	The GLP-1R agonist liraglutide limits hepatic lipotoxicity and inflammatory response in mice fed a methionine-choline deficient diet. Translational Research, 2021, 227, 75-88.	5.0	61
5031	Muc2 Mucin and Nonmucin Microbiota Confer Distinct Innate Host Defense in Disease Susceptibility and Colonic Injury. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 77-98.	4.5	28

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5033	Study of fermented feed by mixed strains and their effects on the survival, growth, digestive enzyme activity and intestinal flora of <i>Penaeus vannamei</i> . <i>Aquaculture</i> , 2021, 530, 735703.	3.5	27
5034	Bacterioplankton dynamics driven by interannual and spatial variation in diatom and dinoflagellate spring bloom communities in the Baltic Sea. <i>Limnology and Oceanography</i> , 2021, 66, 255-271.	3.1	13
5035	Shenyan Kangfu tablet alleviates diabetic kidney disease through attenuating inflammation and modulating the gut microbiota. <i>Journal of Natural Medicines</i> , 2021, 75, 84-98.	2.3	23
5036	Sewage sludge application alters the composition and co-occurrence pattern of the soil bacterial community in southern China forestlands. <i>Applied Soil Ecology</i> , 2021, 157, 103744.	4.3	18
5037	Impacts of prescribed burning on urban forest soil: Minor changes in net greenhouse gas emissions despite evident alterations of microbial community structures. <i>Applied Soil Ecology</i> , 2021, 158, 103780.	4.3	7
5038	Epiphytic and Endophytic Fungal Communities of Tomato Plants. <i>Horticultural Plant Journal</i> , 2021, 7, 38-48.	5.0	26
5039	Profiles of bacteria/phage-mediated ARGs in pig farm wastewater treatment plants in China: Association with mobile genetic elements, bacterial communities and environmental factors. <i>Journal of Hazardous Materials</i> , 2021, 404, 124149.	12.4	47
5040	The synergy of porous substrates and functional genera for efficient nutrients removal at low temperature in a pilot-scale two-stage tidal flow constructed wetland. <i>Bioresource Technology</i> , 2021, 319, 124135.	9.6	33
5041	Performance and microbial community analysis of bioaugmented activated sludge for nitrogen-containing organic pollutants removal. <i>Journal of Environmental Sciences</i> , 2021, 101, 373-381.	6.1	46
5042	Toxic effects of ammonia and thermal stress on the intestinal microbiota and transcriptomic and metabolomic responses of <i>Litopenaeus vannamei</i> . <i>Science of the Total Environment</i> , 2021, 754, 141867.	8.0	74
5043	Community diversity and abundance of ammonia-oxidizing archaea and bacteria in shrimp pond sediment at different culture stages. <i>Journal of Applied Microbiology</i> , 2021, 130, 1442-1455.	3.1	18
5044	High fungal substrate specificity limits the utility of environmental DNA to detect fungal diversity in bogs. <i>Ecological Indicators</i> , 2021, 121, 107009.	6.3	4
5045	Long-term organic and inorganic fertilization alters the diazotrophic abundance, community structure, and co-occurrence patterns in a vertisol. <i>Science of the Total Environment</i> , 2021, 766, 142441.	8.0	25
5046	Tea leaves biochar as a carrier of <i>Bacillus cereus</i> improves the soil function and crop productivity. <i>Applied Soil Ecology</i> , 2021, 157, 103732.	4.3	47
5047	Antibiotic and metal resistance genes are closely linked with nitrogen-processing functions in municipal solid waste landfills. <i>Journal of Hazardous Materials</i> , 2021, 403, 123689.	12.4	52
5048	Identification of microbial strategies for labile substrate utilization at phylogenetic classification using a microcosm approach. <i>Soil Biology and Biochemistry</i> , 2021, 153, 107970.	8.8	45
5049	The role of arbuscular mycorrhizal fungi in nonnative plant invasion along mountain roads. <i>New Phytologist</i> , 2021, 230, 1156-1168.	7.3	19

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5051	Abiotic and biotic effects of long-term straw retention on reactive nitrogen runoff losses in a rice-wheat cropping system in the Yangtze Delta region. <i>Agriculture, Ecosystems and Environment</i> , 2021, 305, 107162.	5.3	18
5052	Thermal pretreatment enhances the degradation and humification of lignocellulose by stimulating thermophilic bacteria during dairy manure composting. <i>Bioresource Technology</i> , 2021, 319, 124149.	9.6	110
5053	Aboveground community composition and soil moisture play determining roles in restoring ecosystem multifunctionality of alpine steppe on Qinghai-Tibetan Plateau. <i>Agriculture, Ecosystems and Environment</i> , 2021, 305, 107163.	5.3	34
5054	Self-regulating microbiome networks ensure functional resilience of biofilms in sand biofilters during manganese load fluctuations. <i>Water Research</i> , 2021, 188, 116473.	11.3	22
5055	Toxin variation among salamander populations: discussing potential causes and future directions. <i>Integrative Zoology</i> , 2021, 16, 336-353.	2.6	3
5056	Effects of feeding a <i>Lactobacillus plantarum</i> JL01 diet on caecal bacteria and metabolites of weaned piglets. <i>Letters in Applied Microbiology</i> , 2021, 72, 24-35.	2.2	5
5057	Hydrogen production in two-chamber MEC using a low-cost and biodegradable poly(vinyl) alcohol/chitosan membrane. <i>Bioresource Technology</i> , 2021, 319, 124168.	9.6	30
5058	Responses of microbial community and antibiotic resistance genes to the selection pressures of ampicillin, cephalexin and chloramphenicol in activated sludge reactors. <i>Science of the Total Environment</i> , 2021, 755, 142632.	8.0	45
5059	Investigation of microbial composition and functional characterization of Zangqu using high throughput sequencing. <i>LWT - Food Science and Technology</i> , 2021, 136, 110342.	5.2	7
5060	Taxonomic profiling and functional characterization of the healthy human oral bacterial microbiome from the north Indian urban sub-population. <i>Archives of Microbiology</i> , 2021, 203, 927-939.	2.2	4
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.	7.1	33
5062	Enhanced bioremediation of trichloroethene-contaminated groundwater using modified β -PGA for continuous substrate supplement and pH control: Batch and pilot-scale studies. <i>Journal of Cleaner Production</i> , 2021, 278, 123736.	9.3	10
5063	Identification of dominant spoilage bacteria in sea cucumber protein peptide powders (SCPPs) and methods for controlling the growth of dominant spoilage bacteria by inhibiting hygroscopicity. <i>LWT - Food Science and Technology</i> , 2021, 136, 110355.	5.2	6
5064	Status and prospects of marine NIS detection and monitoring through (e)DNA metabarcoding. <i>Science of the Total Environment</i> , 2021, 751, 141729.	8.0	28
5065	Chemotaxis-selective colonization of mangrove rhizosphere microbes on nine different microplastics. <i>Science of the Total Environment</i> , 2021, 752, 142223.	8.0	69
5066	Integrating biological As(III) oxidation with Fe(0) electrocoagulation for arsenic removal from groundwater. <i>Water Research</i> , 2021, 188, 116531.	11.3	23
5067	Crown-fire severity is more important than ground-fire severity in determining soil fungal community development in the boreal forest. <i>Journal of Ecology</i> , 2021, 109, 504-518.	4.0	31

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5069	Divergent responses of soil fungal communities to soil erosion and deposition as evidenced in topsoil and subsoil. <i>Science of the Total Environment</i> , 2021, 755, 142616.	8.0	10
5070	Exploration of the effects of altitude change on bacteria and fungi in the rumen of yak (<i>Bos</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662 T	2.2	19
5071	Evaluation and ranking of polymeric ion exchange membranes used in microbial electrolysis cells for biohydrogen production. <i>Bioresource Technology</i> , 2021, 319, 124182.	9.6	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.	9.6	25
5073	Powdered activated carbon (PAC) amendment enhances naphthalene biodegradation under strictly sulfate-reducing conditions. <i>Environmental Pollution</i> , 2021, 268, 115641.	7.5	10
5074	Effects of synthetic nitrogen fertilizer and manure on fungal and bacterial contributions to N ₂ O production along a soil acidity gradient. <i>Science of the Total Environment</i> , 2021, 753, 142011.	8.0	20
5075	Distinguishing Between the Impacts of Heat and Drought Stress on the Root Microbiome of <i>Sorghum bicolor</i> . <i>Phytobiomes Journal</i> , 2021, 5, 166-176.	2.7	28
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.	2.2	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.	12.4	25
5078	Enhancement of polychlorinated biphenyl biodegradation by resuscitation promoting factor (Rpf) and Rpf-responsive bacterial community. <i>Chemosphere</i> , 2021, 263, 128283.	8.2	55
5079	Effect of abattoir, livestock species and storage temperature on bacterial community dynamics and sensory properties of vacuum packaged red meat. <i>Food Microbiology</i> , 2021, 94, 103648.	4.2	39
5080	Spatial variation of the soil bacterial community in major apple producing regions of China. <i>Journal of Applied Microbiology</i> , 2021, 130, 1294-1306.	3.1	7
5081	Pinewood Nematode Alters the Endophytic and Rhizospheric Microbial Communities of <i>Pinus massoniana</i> . <i>Microbial Ecology</i> , 2021, 81, 807-817.	2.8	16
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.	1.3	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.	8.0	15
5084	Changes in rhizosphere microbial diversity and composition due to NaCl addition to the soil modify the outcome of maize-weed interactions. <i>Applied Soil Ecology</i> , 2021, 159, 103818.	4.3	2
5085	Biomarkers associated with cheese quality uncovered by integrative multi-omic analysis. <i>Food Control</i> , 2021, 123, 107752.	5.5	15

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5086	Influence of the cold bottom water on taxonomic and functional composition and complexity of microbial communities in the southern Yellow Sea during the summer. <i>Science of the Total Environment</i> , 2021, 759, 143496.	8.0	12
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.	8.0	16
5088	DNA metabarcoding provides insights into seasonal diet variations in Chinese mole shrew (<i>Eptesicus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 667 T</i> Evolution, 2021, 11, 376-389.	1.9	8
5089	Exploring the communities of bacteria, fungi and ammonia oxidizers in rhizosphere of Fusarium-diseased greenhouse cucumber. <i>Applied Soil Ecology</i> , 2021, 161, 103832.	4.3	14
5090	Rhizobacterial communities, enzyme activity, and soil properties affect rice seedling's nitrogen use. <i>Agronomy Journal</i> , 2021, 113, 633-644.	1.8	3
5091	Determination of microbial diversities and aroma characteristics of Beitang shrimp paste. <i>Food Chemistry</i> , 2021, 344, 128695.	8.2	25
5092	Survey of background microbial index in inhalable particles in Beijing. <i>Science of the Total Environment</i> , 2021, 757, 143743.	8.0	10
5093	A new strategy using nanoscale zero-valent iron to simultaneously promote remediation and safe crop production in contaminated soil. <i>Nature Nanotechnology</i> , 2021, 16, 197-205.	31.5	133
5094	Microbial mechanisms related to the effects of bamboo charcoal and bamboo vinegar on the degradation of organic matter and methane emissions during composting. <i>Environmental Pollution</i> , 2021, 272, 116013.	7.5	29
5095	Potential correlation between volatiles and microbiome of Xiang xi sausages from four different regions. <i>Food Research International</i> , 2021, 139, 109943.	6.2	14
5096	Effects of mild moxibustion on intestinal microbiome and NLRP3 inflammasome in rats with 5-fluorouracil-induced intestinal mucositis. <i>Journal of Integrative Medicine</i> , 2021, 19, 144-157.	3.1	14
5097	The bacterial communities of surface soils from desert sites in the eastern Utah (USA) portion of the Colorado Plateau. <i>Microbiological Research</i> , 2021, 244, 126664.	5.3	11
5098	Effects of <i>Clostridium butyricum</i> on growth, digestive enzyme activity, antioxidant capacity and gut microbiota in farmed tilapia (<i>Oreochromis niloticus</i>). <i>Aquaculture Research</i> , 2021, 52, 1573-1584.	1.8	16
5099	Combined ozonation and solarization for the removal of pesticides from soil: Effects on soil microbial communities. <i>Science of the Total Environment</i> , 2021, 758, 143950.	8.0	18
5100	Fungal communities associated with roots of two closely related Juglandaceae species with a disjunct distribution in the tropics. <i>Fungal Ecology</i> , 2021, 50, 101023.	1.6	3
5101	Distinct gut microbiota and metabolite profiles induced by delivery mode in healthy Chinese infants. <i>Journal of Proteomics</i> , 2021, 232, 104071.	2.4	16
5102	Effects of simulated nitrogen deposition on soil microbial community diversity in coastal wetland of the Yellow River Delta. <i>Science of the Total Environment</i> , 2021, 757, 143825.	8.0	36
5103	Plant-microbial feedback in secondary succession of semiarid grasslands. <i>Science of the Total Environment</i> , 2021, 760, 143389.	8.0	10

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5104	Large-scale pattern of resistance genes and bacterial community in the tap water along the middle and low reaches of the Yangtze River. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111517.	6.0	17
5105	Profiling prokaryotic community in pit mud of Chinese strong-aroma type liquor by using oligotrophic culturing. <i>International Journal of Food Microbiology</i> , 2021, 337, 108951.	4.7	13
5106	The composition of antibiotic resistance genes is not affected by grazing but is determined by microorganisms in grassland soils. <i>Science of the Total Environment</i> , 2021, 761, 143205.	8.0	19
5107	Differential responses of soil bacteria and fungi to altered precipitation in a meadow steppe. <i>Geoderma</i> , 2021, 384, 114812.	5.1	45
5108	Active phoD-harboring bacteria are enriched by long-term organic fertilization. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108071.	8.8	27
5109	A comparison of antibiotics, antibiotic resistance genes, and bacterial community in broiler and layer manure following composting. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14707-14719.	5.3	20
5110	Subgroup level differences of physiological activities in marine Lokiarchaeota. <i>ISME Journal</i> , 2021, 15, 848-861.	9.8	23
5111	Probing periodontal microbial dark matter using metataxonomics and metagenomics. <i>Periodontology 2000</i> , 2021, 85, 12-27.	13.4	16
5112	The impact of cropping system, tillage and season on shaping soil fungal community in a long-term field trial. <i>European Journal of Soil Biology</i> , 2021, 102, 103253.	3.2	12
5113	Optimizing the quality of clinical studies on oral microbiome: A practical guide for planning, performing, and reporting. <i>Periodontology 2000</i> , 2021, 85, 210-236.	13.4	51
5114	Integrated-omics endotyping of infants with rhinovirus bronchiolitis and risk of childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 2108-2117.	2.9	45
5115	Monthly distribution of ammonia-oxidizing microbes in a tropical bay. <i>Journal of Microbiology</i> , 2021, 59, 10-19.	2.8	1
5116	Comparative study of the bacterial communities throughout the gastrointestinal tract in two beef cattle breeds. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 313-325.	3.6	14
5117	Characterization of long-range transported bioaerosols in the Central Mediterranean. <i>Science of the Total Environment</i> , 2021, 763, 143010.	8.0	17
5118	Inter-trophic Interaction of Gut Microbiota in a Tripartite System. <i>Microbial Ecology</i> , 2021, 81, 1075-1087.	2.8	5
5119	Manure application increases microbiome complexity in soil aggregate fractions: Results of an 18-year field experiment. <i>Agriculture, Ecosystems and Environment</i> , 2021, 307, 107249.	5.3	54
5120	Influence of diet shift from bloodworm to formulated feed on growth performance, gut microbiota structure and function in early juvenile stages of hybrid sturgeon (<i>Acipenser baerii</i> A— <i>Acipenser</i>) Tj ETQq0 0 0 rgBTt,6 Overlock 10 Tf 50 9	5.6	10
5121	Stronger impacts of long-term relative to short-term exposure to carbon nanomaterials on soil bacterial communities. <i>Journal of Hazardous Materials</i> , 2021, 410, 124550.	12.4	15

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5122	Functional profiling of bacterial communities in Lake Tuz using 16S rRNA gene sequences. <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 1-10.	1.3	26
5123	Performance of native open cultures (winery effluents, ruminal fluid, anaerobic sludge and digestate) for medium-chain carboxylic acid production using ethanol and acetate. <i>Journal of Water Process Engineering</i> , 2021, 40, 101784.	5.6	10
5124	A sustainable approach by using microalgae to minimize the eutrophication process of Mar Menor lagoon. <i>Science of the Total Environment</i> , 2021, 758, 143613.	8.0	12
5125	Strong priming of soil organic matter induced by frequent input of labile carbon. <i>Soil Biology and Biochemistry</i> , 2021, 152, 108069.	8.8	70
5126	Effects of growth-promoting rhizobacteria on maize growth and rhizosphere microbial community under conservation tillage in Northeast China. <i>Microbial Biotechnology</i> , 2021, 14, 535-550.	4.2	46
5127	MAUIseq: Metabarcoding using amplicons with unique molecular identifiers to improve error correction. <i>Molecular Ecology Resources</i> , 2021, 21, 703-720.	4.8	11
5128	A balanced reduction in mineral fertilizers benefits P reserve and inorganic P-solubilizing bacterial communities under residue input. <i>Applied Soil Ecology</i> , 2021, 159, 103833.	4.3	14
5129	The simultaneous recruitment of anammox granules and biofilm by a sequential immobilization and granulation approach. <i>Chemical Engineering Journal</i> , 2021, 417, 128041.	12.7	12
5130	In-situ stabilization of Cd by sepiolite co-applied with organic amendments in contaminated soils. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111600.	6.0	15
5131	Dynamics of denitrification performance and denitrifying community under high-dose acute oxytetracycline exposure and various biorecovery strategies in polycaprolactone-supported solid-phase denitrification. <i>Journal of Environmental Management</i> , 2021, 279, 111763.	7.8	13
5132	Deciphering indigenous bacteria in compacted bentonite through a novel and efficient DNA extraction method: Insights into biogeochemical processes within the Deep Geological Disposal of nuclear waste concept. <i>Journal of Hazardous Materials</i> , 2021, 408, 124600.	12.4	14
5133	Gut microbiota and brain alterations in a translational anorexia nervosa rat model. <i>Journal of Psychiatric Research</i> , 2021, 133, 156-165.	3.1	21
5134	Microplastic pollution and its relationship with the bacterial community in coastal sediments near Guangdong Province, South China. <i>Science of the Total Environment</i> , 2021, 760, 144091.	8.0	27
5135	Microbial diversity and structure in the gastrointestinal tracts of two stranded short-finned pilot whales (<i>Globicephala macrorhynchus</i>) and a pygmy sperm whale (<i>Kogia breviceps</i>). <i>Integrative Zoology</i> , 2021, 16, 324-335.	2.6	16
5136	Hierarchical Microbial Functions Prediction by Graph Aggregated Embedding. <i>Frontiers in Genetics</i> , 2020, 11, 608512.	2.3	4
5137	Mechanistic insights into organic carbon-driven water blackening and odorization of urban rivers. <i>Journal of Hazardous Materials</i> , 2021, 405, 124663.	12.4	56
5138	<i>Spartina alterniflora</i> invasions reduce soil fungal diversity and simplify co-occurrence networks in a salt marsh ecosystem. <i>Science of the Total Environment</i> , 2021, 758, 143667.	8.0	28
5139	High Dietary Niche Overlap Between Non-native and Native Ant Species in Natural Ecosystems. <i>Environmental Entomology</i> , 2021, 50, 86-96.	1.4	2

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5140	Evaluating long-term success in grassland restoration: an ecosystem multifunctionality approach. <i>Ecological Applications</i> , 2021, 31, e02271.	3.8	17
5141	Invader-resident relatedness and soil management history shape patterns of invasion of compost microbial populations into agricultural soils. <i>Applied Soil Ecology</i> , 2021, 158, 103795.	4.3	14
5142	Floral fungal-bacterial community structure and co-occurrence patterns in four sympatric island plant species. <i>Fungal Biology</i> , 2021, 125, 49-61.	2.5	14
5143	Microbial communities in crop phyllosphere and root endosphere are more resistant than soil microbiota to fertilization. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108113.	8.8	81
5144	Effects of dietary four different woody forages on gut microbiota of Nile tilapia (<i>Oreochromis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	6
5145	Network-directed isolation of the cooperator <i>Pseudomonas aeruginosa</i> ZM03 enhanced the dibutyl phthalate degradation capacity of <i>Arthrobacter nicotianae</i> ZM05 under pH stress. <i>Journal of Hazardous Materials</i> , 2021, 410, 124667.	12.4	19
5146	Enrichment of salt-tolerant CO ₂ -fixing communities in microbial electrosynthesis systems using porous ceramic hollow tube wrapped with carbon cloth as cathode and for CO ₂ supply. <i>Science of the Total Environment</i> , 2021, 766, 142668.	8.0	17
5147	Large-scale evidence for microbial response and associated carbon release after permafrost thaw. <i>Global Change Biology</i> , 2021, 27, 3218-3229.	9.5	44
5148	Diminished rhizosphere and bulk soil microbial abundance and diversity across succession stages in Karst area, southwest China. <i>Applied Soil Ecology</i> , 2021, 158, 103799.	4.3	20
5149	Bacterial community response to different nitrogen gradients of swine wastewater in surface flow constructed wetlands. <i>Chemosphere</i> , 2021, 265, 129106.	8.2	15
5150	Rapid microbial community evolution in initial <i>Carex</i> litter decomposition stages in Bayinbuluk alpine wetland during the freeze-thaw period. <i>Ecological Indicators</i> , 2021, 121, 107180.	6.3	25
5151	Effects of wastewater treatment and manure application on the dissemination of antimicrobial resistance around swine feedlots. <i>Journal of Cleaner Production</i> , 2021, 280, 123794.	9.3	28
5152	Application of pharmaceutical waste sludge compost alters the antibiotic resistome in soil under the Chinese cabbage system. <i>Journal of Cleaner Production</i> , 2021, 291, 125229.	9.3	17
5153	Chinese chestnut yellow crinkle disease influence microbiota composition of chestnut trees. <i>Microbial Pathogenesis</i> , 2021, 152, 104606.	2.9	3
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5166	<i>Lactobacillus plantarum</i> KLD1.0344 and <i>Lactobacillus acidophilus</i> KLD1.0901 Mixture Prevents Chronic Alcoholic Liver Injury in Mice by Protecting the Intestinal Barrier and Regulating Gut Microbiota and Liver-Related Pathways. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 183-197.	5.2	77
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5427	Contrasting effects of microbial fertiliser and organic fertiliser on soil bacterial community in coal mine dump of Inner Mongolia. <i>Chemistry and Ecology</i> , 2021, 37, 384-398.	1.6	8
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5456	Assessing Biotic and Abiotic Interactions of Microorganisms in Amazonia through Co-Occurrence Networks and DNA Metabarcoding. <i>Microbial Ecology</i> , 2021, 82, 746-760.	2.8	8
5457	Seasonal patterns of bison diet across climate gradients in North America. <i>Scientific Reports</i> , 2021, 11, 6829.	3.3	12
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5610	Effects of Different Continuous Cropping Years on Bacterial Community and Diversity of Cucumber Rhizosphere Soil in Solar-Greenhouse. <i>Current Microbiology</i> , 2021, 78, 2380-2390.	2.2	28
5611	Bacterial Diversity in <i>Rhipicephalus sanguineus</i> (Acari: Ixodidae) from Two States in Nigeria. <i>Journal of Entomological Science</i> , 2021, 56, 256-271.	0.3	1

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5615	Microbial characteristics response to the soil quality of newly created farmland on the Loess Plateau. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42290-42299.	5.3	5
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5645	Evaluation of sublethal and transgenerational effects of sulfoxaflo on <i>Aphis gossypii</i> via life table parameters and 16S rRNA sequencing. <i>Pest Management Science</i> , 2021, 77, 3406-3418.	3.4	19
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5649	The Effects of Microbial Inoculants on Bacterial Communities of the Rhizosphere Soil of Maize. <i>Agriculture (Switzerland)</i> , 2021, 11, 389.	3.1	4
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5652	Soil fungal diversity and community assembly: affected by island size or type?. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	6
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5681	Nasopharyngeal Microbiomes in Donkeys Shedding <i>Streptococcus equi</i> Subspecies <i>equi</i> in Comparison to Healthy Donkeys. <i>Frontiers in Veterinary Science</i> , 2021, 8, 645627.	2.2	2
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5728	Compartmentalization of bacterial and fungal microbiomes in the gut of adult honeybees. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 42.	6.4	41
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5735	Tidal rewetting in salt marshes triggers pulses of nitrous oxide emissions but slows carbon dioxide emission. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108197.	8.8	6
5736	Mixed plantations of <i>Metasequoia glyptostroboides</i> and <i>Bischofia polycarpa</i> change soil fungal and archaeal communities and enhance soil phosphorus availability in Shanghai, China. <i>Ecology and Evolution</i> , 2021, 11, 7239-7249.	1.9	8
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5743	Rumen Microbiota of Tibetan Sheep (<i>Ovis aries</i>) Adaptation to Extremely Cold Season on the Qinghai-Tibetan Plateau. <i>Frontiers in Veterinary Science</i> , 2021, 8, 673822.	2.2	18
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5813	Pathogen and Endophyte Assemblages Co-vary With Beech Bark Disease Progression, Tree Decline, and Regional Climate. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	4
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5831	In situ rumen degradation characteristics and bacterial colonization of whole cottonseed, cottonseed hull and cottonseed meal with different gossypol content. <i>AMB Express</i> , 2021, 11, 91.	3.0	9
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5836	Amplicon-sequencing of raw milk microbiota: impact of DNA extraction and library-PCR. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4761-4773.	3.6	5
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5841	Correlations Between Intestinal Microbial Community and Hematological Profile in Native Tibetans and Han Immigrants. <i>Frontiers in Microbiology</i> , 2021, 12, 615416.	3.5	8
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5848	Co-existing water and sediment bacteria are driven by contrasting environmental factors across glacier-fed aquatic systems. <i>Water Research</i> , 2021, 198, 117139.	11.3	81
5849	Effect of co-application of <i>Trichoderma</i> spp. with organic composts on plant growth enhancement, soil enzymes and fungal community in soil. <i>Archives of Microbiology</i> , 2021, 203, 4281-4291.	2.2	21
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5851	Microbial and geo-archaeological records reveal the growth rate, origin and composition of desert rock surface communities. <i>Biogeosciences</i> , 2021, 18, 3331-3342.	3.3	1
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5862	The Impact of Fertilizer Amendments on Soil Autotrophic Bacteria and Carbon Emissions in Maize Field on the Semiarid Loess Plateau. <i>Frontiers in Microbiology</i> , 2021, 12, 664120.	3.5	6
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5865	Impacts of Sodium Arsenite on Wood Microbiota of Esca-Diseased Grapevines. <i>Journal of Fungi (Basel)</i> , 2021, 7, 1070.	3.5	13
5866	Diversity and composition of gut microbiome of cervical cancer patients: Do results of 16S rRNA sequencing and whole genome sequencing approaches align?. <i>Journal of Microbiological Methods</i> , 2021, 185, 106213.	1.6	8
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.	2.8	8
5868	Can Potato Plants Be Colonized with the Fungi <i>Metarhizium</i> and <i>Beauveria</i> under Their Natural Load in Agrosystems?. <i>Microorganisms</i> , 2021, 9, 1373.	3.6	17
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5872	The bacterial microbiota of Hunner lesion interstitial cystitis/bladder pain syndrome. BJU International, 2022, 129, 104-112.	2.5	6
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5874	Interactive exploratory data analysis of Integrative Human Microbiome Project data using Metaviz. F1000Research, 2020, 9, 601.	1.6	0
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5881	Deep insight into bacterial community characterization and relationship in the pond water, sediment and the gut of shrimp (<i>Penaeus japonicus</i>). Aquaculture, 2021, 539, 736658.	3.5	20
5882	Effects of plant community history, soil legacy and plant diversity on soil microbial communities. Journal of Ecology, 2021, 109, 3007-3023.	4.0	39
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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. Scientific Reports, 2021, 11, 11788.	3.3	33
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5888	Composted biochar affects structural dynamics, function and co-occurrence network patterns of fungi community. Science of the Total Environment, 2021, 775, 145672.	8.0	60
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6039	Features of Bacterial Microbiota in the Wild Habitat of <i>Pulsatilla tongkangensis</i> , the Endangered "Long-Sepal Donggang Pasque-Flower Plant," Endemic to Karst Topography of Korea. <i>Frontiers in Microbiology</i> , 2021, 12, 656105.	3.5	7
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6041	Grazing accelerates labile and recalcitrant soil carbon loss driving by rare microbial taxa in a desert steppe. <i>Land Degradation and Development</i> , 2021, 32, 4241-4253.	3.9	13

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6043	The bacterial diversity and community composition altered in the oxygen minimum zone of the Tropical Western Pacific Ocean. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 1690-1704.	1.3	8
6044	An IRF1-dependent Pathway of TNF α -induced Shedding in Intestinal Epithelial Cells. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 133-142.	1.3	21
6045	Biocontrol potential of <i>Bacillus altitudinis</i> AMCC1040 against root-knot nematode disease of ginger and its impact on rhizosphere microbial community. <i>Biological Control</i> , 2021, 158, 104598.	3.0	19
6046	Polystyrene microplastics alleviate the effects of sulfamethazine on soil microbial communities at different CO ₂ concentrations. <i>Journal of Hazardous Materials</i> , 2021, 413, 125286.	12.4	30
6047	Effects of varying dietary black garlic supplementation on the growth, immune response, digestive and antioxidant activities, intestinal microbiota of <i>Litopenaeus vannamei</i> and its resistance to <i>Vibrio parahaemolyticus</i> infection. <i>Aquaculture Nutrition</i> , 2021, 27, 1699-1720.	2.7	3
6048	Long-term cover crops improved soil phosphorus availability in a rain-fed apple orchard. <i>Chemosphere</i> , 2021, 275, 130093.	8.2	48
6049	Changes in the microbial communities of the rearing water, sediment and gastrointestinal tract of <i>Lateolabrax maculatus</i> at two growth stages. <i>Aquaculture Reports</i> , 2021, 20, 100742.	1.7	6
6050	CuO, ZnO, and γ -Fe ₂ O ₃ nanoparticles modified the underground biomass and rhizosphere microbial community of <i>Salvia miltiorrhiza</i> (Bge.) after 165-day exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 217, 112232.	6.0	19
6051	Microbial Composition in the Duodenum and Ileum of Yellow Broilers With High and Low Feed Efficiency. <i>Frontiers in Microbiology</i> , 2021, 12, 689653.	3.5	11
6052	Antibiotic-Induced Dysbiosis of Microbiota Promotes Chicken Lipogenesis by Altering Metabolomics in the Cecum. <i>Metabolites</i> , 2021, 11, 487.	2.9	18
6054	Effects of 405nm light-emitting diode treatment on microbial community on fresh-cut pakchoi and antimicrobial action against <i>Pseudomonas reinekei</i> and <i>Pseudomonas palleroniana</i> . <i>Journal of Food Safety</i> , 2021, 41, e12920.	2.3	6
6055	Spatial Characteristics of Colonic Mucosa-Associated Gut Microbiota in Humans. <i>Microbial Ecology</i> , 2021, , 1.	2.8	10
6056	Manipulating exudate composition from root apices shapes the microbiome throughout the root system. <i>Plant Physiology</i> , 2021, 187, 2279-2295.	4.8	44
6057	Soil acidification mediates changes in soil bacterial community assembly processes in response to agricultural intensification. <i>Environmental Microbiology</i> , 2021, 23, 4741-4755.	3.8	23
6058	Effect of a Multispecies Probiotic Mixture on the Growth and Incidence of Diarrhea, Immune Function, and Fecal Microbiota of Pre-weaning Dairy Calves. <i>Frontiers in Microbiology</i> , 2021, 12, 681014.	3.5	25
6059	Composition of the Fecal Microbiota of Piglets at Various Growth Stages. <i>Frontiers in Veterinary Science</i> , 2021, 8, 661671.	2.2	17
6060	Response of Fungal Diversity, Community Composition, and Functions to Nutrients Management in Red Soil. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 554.	3.5	29
6061	Exploring Microbial Resource of Different Rhizocompartments of Dominant Plants Along the Salinity Gradient Around the Hypersaline Lake Ejnir. <i>Frontiers in Microbiology</i> , 2021, 12, 698479.	3.5	14

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6062	Improved immobilization of soil cadmium by regulating soil characteristics and microbial community through reductive soil disinfestation. <i>Science of the Total Environment</i> , 2021, 778, 146222.	8.0	20
6063	Soil fungal communities in abandoned agricultural land has not yet moved towards the seminatural forest. <i>Forest Ecology and Management</i> , 2021, 491, 119181.	3.2	8
6064	Gut bacteria communities differ between <i>Gynaephora</i> species endemic to different altitudes of the Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 777, 146115.	8.0	11
6065	Effects of Dietary Supplementation with Protected Sodium Butyrate on Gut Microbiota in Growing-Finishing Pigs. <i>Animals</i> , 2021, 11, 2137.	2.3	15
6066	Nutritional and ecological perspectives of the interrelationships between diet and the gut microbiome in multiple sclerosis: Insights from marmosets. <i>IScience</i> , 2021, 24, 102709.	4.1	9
6067	The bacterial and fungal community composition in time and space in the nest mounds of the ant <i>Formica exsecta</i> (Hymenoptera: Formicidae). <i>MicrobiologyOpen</i> , 2021, 10, e1201.	3.0	9
6068	The role of <i>Methanomassiliicoccales</i> in trimethylamine metabolism in the rumen of dairy cows. <i>Animal</i> , 2021, 15, 100259.	3.3	3
6069	Screening of intestinal probiotics and the effects of feeding probiotics on the digestive enzyme activity, immune, intestinal flora and WSSV resistance of <i>Procambarus clarkii</i> . <i>Aquaculture</i> , 2021, 540, 736748.	3.5	18
6070	Effect of microbial community structure in inoculum on the stimulation of direct interspecies electron transfer for methanogenesis. <i>Bioresource Technology</i> , 2021, 332, 125100.	9.6	21
6071	Effects of three probiotic strains (<i>Bacillus coagulans</i> , <i>B. licheniformis</i> and <i>Paenibacillus polymyxa</i>) on growth, immune response, gut morphology and microbiota, and resistance against <i>Vibrio harveyi</i> of northern whittings, <i>Sillago sihama</i> Forsskål (1775). <i>Animal Feed Science and Technology</i> , 2021, 277, 114958.	2.2	16
6072	Determination of a criminal suspect using environmental plant DNA metabarcoding technology. <i>Forensic Science International</i> , 2021, 324, 110828.	2.2	5
6073	Dynamic Alterations of the Distal Intestinal Microbiota, Transcriptome, and Metabolome of Hybrid Grouper by Î²-Conglycinin With Reconciliations by Sodium Butyrate in Feed. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
6074	Dynamic Changes of the Fungal Microbiome in Alcohol Use Disorder. <i>Frontiers in Physiology</i> , 2021, 12, 699253.	2.8	45
6075	Study on the dynamic changes of potato microbes in soil affected by environmental pollution using high-throughput sequencing. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 804, 042071.	0.3	0
6077	Microbial profile during fermentation and aerobic stability of ensiled mixtures of maize stover and banana pseudostem in South Ethiopia. <i>Journal of Applied Microbiology</i> , 2021, , .	3.1	1
6078	Bacteria of Lake Pyasino and Adjacent Rivers after an Accidental Diesel Spill in 2020. <i>Contemporary Problems of Ecology</i> , 2021, 14, 356-367.	0.7	0
6079	The power of metabarcoding: Can we improve bioassessment and biodiversity surveys of stream macroinvertebrate communities?. <i>Metabarcoding and Metagenomics</i> , 0, 5, .	0.0	7
6080	<i>Eichhornia crassipes</i> root biomass to reduce antibiotic resistance dissemination and enhance biogas production of anaerobic membrane bioreactor. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-12.	2.2	1

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6081	Skin Microbiota of the Captive Giant Panda (<i>Ailuropoda Melanoleuca</i>) and the Distribution of Opportunistic Skin Disease-Associated Bacteria in Different Seasons. <i>Frontiers in Veterinary Science</i> , 2021, 8, 666486.	2.2	3
6082	Virulence and community dynamics of fungal species with vertical and horizontal transmission on a plant with multiple infections. <i>PLoS Pathogens</i> , 2021, 17, e1009769.	4.7	13
6083	Selenium Yeast Dietary Supplement Affects Rumen Bacterial Population Dynamics and Fermentation Parameters of Tibetan Sheep (<i>Ovis aries</i>) in Alpine Meadow. <i>Frontiers in Microbiology</i> , 2021, 12, 663945.	3.5	23
6084	Antimetastatic Effects of <i>Ganoderma lucidum</i> Polysaccharide Peptide on B16-F10-luc-G5 Melanoma Mice With Sleep Fragmentation. <i>Frontiers in Pharmacology</i> , 2021, 12, 650216.	3.5	14
6085	Persistence and reversibility of arsenic-induced gut microbiome and metabolome shifts in male rats after 30-days recovery duration. <i>Science of the Total Environment</i> , 2021, 776, 145972.	8.0	16
6086	Forest plant cover and mineral type determine the diversity and composition of mineral-colonizing fungal communities. <i>European Journal of Soil Biology</i> , 2021, 105, 103334.	3.2	5
6087	An Exploratory Study for the Association of Gut Microbiome with Efficacy of Immune Checkpoint Inhibitor in Patients with Hepatocellular Carcinoma. <i>Journal of Hepatocellular Carcinoma</i> , 2021, Volume 8, 809-822.	3.7	17
6088	16S rRNA gene amplicon sequencing of gut microbiota in gestational diabetes mellitus and their correlation with disease risk factors. <i>Journal of Endocrinological Investigation</i> , 2022, 45, 279-289.	3.3	17
6089	Effects of ecological environment and host genotype on the phyllosphere bacterial communities of cigar tobacco (<i>Nicotiana tabacum</i> L.). <i>Ecology and Evolution</i> , 2021, 11, 10892-10903.	1.9	14
6090	Dynamics of soil fertility and microbial community response to stocking density in rice-turtle co-culture. <i>Aquaculture Reports</i> , 2021, 20, 100765.	1.7	10
6091	Consecutive soybean (<i>Glycine max</i>) planting and covering improve acidified tea garden soil. <i>PLoS ONE</i> , 2021, 16, e0254502.	2.5	2
6092	The Response of Soil Nutrients and Microbial Community Structures in Long-Term Tea Plantations and Diverse Agroforestry Intercropping Systems. <i>Sustainability</i> , 2021, 13, 7799.	3.2	14
6093	Changes in protist communities in drainages across the Pearl River Delta under anthropogenic influence. <i>Water Research</i> , 2021, 200, 117294.	11.3	35
6094	Disentangling the relative importance of spatio-temporal parameters and host specificity in shaping arbuscular mycorrhizal fungus communities in a temperate forest. <i>Mycorrhiza</i> , 2021, 31, 589-598.	2.8	15
6095	Arbuscular mycorrhizal fungal communities of topsoil and subsoil of an annual maize-wheat rotation after 15-years of differential mineral and organic fertilization. <i>Agriculture, Ecosystems and Environment</i> , 2021, 315, 107442.	5.3	9
6096	The metabolic process of aerobic granular sludge treating piggery wastewater: Microbial community, denitrification genes and mathematical model calculation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105392.	6.7	18
6097	Shifts in pond water bacterial communities are associated with the health status of sea bass (<i>Lateolabrax maculatus</i>). <i>Ecological Indicators</i> , 2021, 127, 107775.	6.3	3
6098	Leonurine protects against ulcerative colitis by alleviating inflammation and modulating intestinal microflora in mouse models. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1199.	1.8	7

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6100	The potential prebiotic effect of 2-Butyloctanol on the human axillary microbiome. <i>International Journal of Cosmetic Science</i> , 2021, 43, 627-635.	2.6	2
6101	High Throughput Analysis Reveals Changes in Gut Microbiota and Specific Fecal Metabolomic Signature in Hematopoietic Stem Cell Transplant Patients. <i>Microorganisms</i> , 2021, 9, 1845.	3.6	4
6102	Electrocatalytic deep dehalogenation of florfenicol using Fe-doped CoP nanotubes array for blocking resistance gene expression and microbial inhibition during biochemical treatment. <i>Water Research</i> , 2021, 201, 117361.	11.3	19
6103	Dynamics and influencing factors of soluble organic nitrogen in paddy soil under different long-term fertilization treatments. <i>Soil and Tillage Research</i> , 2021, 212, 105077.	5.6	11
6106	Dietary cardoon meal modulates rumen biohydrogenation and bacterial community in lambs. <i>Scientific Reports</i> , 2021, 11, 16180.	3.3	5
6107	The microbial population structure and function of peanut peanut and their effects on aflatoxin contamination. <i>LWT - Food Science and Technology</i> , 2021, 148, 111285.	5.2	4
6108	Biochar Application Mitigates the Effect of Heat Stress on Rice (<i>Oryza sativa</i> L.) by Regulating the Root-Zone Environment. <i>Frontiers in Plant Science</i> , 2021, 12, 711725.	3.6	14
6109	Impact of grassland afforestation with contrasting tree species on soil phosphorus fractions and alkaline phosphatase gene communities. <i>Soil Biology and Biochemistry</i> , 2021, 159, 108274.	8.8	29
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6111	The effects of smoking and drinking on the oral and esophageal microbiota of healthy people. <i>Annals of Translational Medicine</i> , 2021, 9, 1244-1244.	1.7	6
6112	Influence of metabolic cosubstrates on methanogenic potential and degradation of triclosan and propranolol in sanitary sewage. <i>Environmental Research</i> , 2021, 199, 111220.	7.5	9
6113	Anaerobic co-digestion of organic fractions of municipal solid waste: Synergy study of methane production and microbial community. <i>Biomass and Bioenergy</i> , 2021, 151, 106137.	5.7	19
6114	The gut microbiome in microscopic polyangiitis with kidney involvement: common and unique alterations, clinical association and values for disease diagnosis and outcome prediction. <i>Annals of Translational Medicine</i> , 2021, 9, 1286-1286.	1.7	7
6115	Tuberosphere and bulk soil microbial communities in fields differing in common scab severity are distinguished by soil chemistry and interactions with pathogens. <i>Plant and Soil</i> , 2021, 468, 259-275.	3.7	4
6116	Modulation of gut microbiota by chondroitin sulfate calcium complex during alleviation of osteoporosis in ovariectomized rats. <i>Carbohydrate Polymers</i> , 2021, 266, 118099.	10.2	16
6117	Contribution of microplastic particles to the spread of resistances and pathogenic bacteria in treated wastewaters. <i>Water Research</i> , 2021, 201, 117368.	11.3	67
6118	Urinary metabolomic changes and microbiotic alterations in presenilin1/2 conditional double knockout mice. <i>Journal of Translational Medicine</i> , 2021, 19, 351.	4.4	14

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6119	Supplementing Chitosan Oligosaccharide Positively Affects Hybrid Grouper (<i>Epinephelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 752 Td (Concentrate: Effects on Growth, Gut Microbiota, Antioxidant Function and Immune Response. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	4
6121	Specific protistan consumers and parasites are responsive to inorganic fertilization in rhizosphere and bulk soils. <i>Journal of Soils and Sediments</i> , 2021, 21, 3801-3812.	3.0	10
6122	Different Responses of Microbiota across Intestinal Tract to <i>Enterococcus faecium</i> HDRsEf1 and Their Correlation with Inflammation in Weaned Piglets. <i>Microorganisms</i> , 2021, 9, 1767.	3.6	10
6123	The Influence of Cesarean Section on the Composition and Development of Gut Microbiota During the First 3 Months of Life. <i>Frontiers in Microbiology</i> , 2021, 12, 691312.	3.5	8
6124	High-Throughput Single-Cell Technology Reveals the Contribution of Horizontal Gene Transfer to Typical Antibiotic Resistance Gene Dissemination in Wastewater Treatment Plants. <i>Environmental Science & Technology</i> , 2021, 55, 11824-11834.	10.0	33
6125	Biochar and Intercropping With Potatoâ€“Onion Enhanced the Growth and Yield Advantages of Tomato by Regulating the Soil Properties, Nutrient Uptake, and Soil Microbial Community. <i>Frontiers in Microbiology</i> , 2021, 12, 695447.	3.5	25
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6127	Diversity, Composition, and Activities of Nano- and Pico-Eukaryotes in the Northern South China Sea With Influences of Kuroshio Intrusion. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3
6128	Bacterial Diversity in Calcium Carbonate Paleo Accretions (<i>Tosca</i>) in the Southern Pampas, Argentina. <i>Geomicrobiology Journal</i> , 2021, 38, 869-878.	2.0	1
6129	Detecting rare terrestrial orchids and associated plant communities from soil samples with eDNA methods. <i>Biodiversity and Conservation</i> , 2021, 30, 3879-3901.	2.6	4
6130	Rumen Fermentation, Digestive Enzyme Activity, and Bacteria Composition between Pre-Weaning and Post-Weaning Dairy Calves. <i>Animals</i> , 2021, 11, 2527.	2.3	14
6131	Characterization of the Human Oropharyngeal Microbiomes in SARSâ€“CoVâ€“2 Infection and Recovery Patients. <i>Advanced Science</i> , 2021, 8, e2102785.	11.2	27
6132	Impact of biocontrol microbes on soil microbial diversity in ginger (<i>Zingiber</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262 Td (officinale<	3.4	14
6133	Nitrogen isotopes in the soil-to-tree continuum â€” Tree rings express the soil biogeochemistry of boreal forests exposed to moderate airborne emissions. <i>Science of the Total Environment</i> , 2021, 780, 146581.	8.0	8
6134	Quantitative Analysis of Bacterial Genes Expression as Prognostic Markers of Metabolic Disorders with the Aim of the Dairy Cattleâ€™s Health Monitoring. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 29-39.	0.6	0
6135	Microbiome and fermentation parameters in the rumen of dairy buffalo in response to ingestion associated with a diet supplemented with cysteamine and hemp seed oil. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2022, 106, 471-484.	2.2	7
6136	Grazing and Supplementation of Dietary Yeast Probiotics Shape the Gut Microbiota and Improve the Immunity of Black Fattening Goats (<i>Capra hircus</i>). <i>Frontiers in Microbiology</i> , 2021, 12, 666837.	3.5	9
6137	Combining Multiple Markers in Environmental DNA Metabarcoding to Assess Deep-Sea Benthic Biodiversity. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	20

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6139	Artificial Plantation Responses to Periodic Submergence in Massive Dam and Reservoir Riparian Zones: Changes in Soil Properties and Bacterial Community Characteristics. <i>Biology</i> , 2021, 10, 819.	2.8	19
6140	Effect of Dietary Supplementation With Mixed Organic Acids on Immune Function, Antioxidative Characteristics, Digestive Enzymes Activity, and Intestinal Health in Broiler Chickens. <i>Frontiers in Nutrition</i> , 2021, 8, 673316.	3.7	21
6141	Lower relative abundance of ectomycorrhizal fungi under a warmer and drier climate is linked to enhanced soil organic matter decomposition. <i>New Phytologist</i> , 2021, 232, 1399-1413.	7.3	27
6142	Geographic source estimation using airborne plant environmental DNA in dust. <i>Scientific Reports</i> , 2021, 11, 16238.	3.3	10
6143	Safety Assessment of Microbicide 2P23 on the Rectal and Vaginal Microbiota and Its Antiviral Activity on HIV Infection. <i>Frontiers in Immunology</i> , 2021, 12, 702172.	4.8	2
6144	Assessment of microbial α -diversity in one meter squared topsoil. <i>Soil Ecology Letters</i> , 2022, 4, 224-236.	4.5	10
6145	A population-based study on associations of stool microbiota with atopic diseases in school-age children. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 612-620.	2.9	29
6146	Microbial Diversity and Non-volatile Metabolites Profile of Low-Temperature Sausage Stored at Room Temperature. <i>Frontiers in Microbiology</i> , 2021, 12, 711963.	3.5	4
6147	Addition of <i>Trichocladium canadense</i> to an anaerobic membrane bioreactor: evaluation of the microbial composition and reactor performance. <i>Biofouling</i> , 2021, 37, 711-723.	2.2	9
6148	Succession pattern and phylotype analysis of microphytobenthic communities in a simulated oil spill seagrass mesocosm experiment. <i>Science of the Total Environment</i> , 2021, 784, 147053.	8.0	8
6149	Method for quick DNA barcode reference library construction. <i>Ecology and Evolution</i> , 2021, 11, 11627-11638.	1.9	14
6150	In-depth characterization of ubiquitin turnover in mammalian cells by fluorescence tracking. <i>Cell Chemical Biology</i> , 2021, 28, 1192-1205.e9.	5.2	4
6151	Microbial Reconstitution Improves Aging-Driven Lacrimal Gland Circadian Dysfunction. <i>American Journal of Pathology</i> , 2021, 191, 2091-2116.	3.8	11
6152	Gut Microbial Diversity in Female Patients With Invasive Mole and Choriocarcinoma and Its Differences Versus Healthy Controls. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 704100.	3.9	4
6153	Ecology and Evolution of Marine Fungi With Their Adaptation to Climate Change. <i>Frontiers in Microbiology</i> , 2021, 12, 719000.	3.5	13
6154	Telmisartan induces a specific gut microbiota signature which may mediate its antiobesity effect. <i>Pharmacological Research</i> , 2021, 170, 105724.	7.1	6
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6157	Conservation Strip Tillage Leads to Persistent Alterations in the Rhizosphere Microbiota of <i>Brassica napus</i> Crops. <i>Frontiers in Soil Science</i> , 2021, 1, .	2.2	0
6158	Irrigation has a higher impact on soil bacterial abundance, diversity and composition than nitrogen fertilization. <i>Scientific Reports</i> , 2021, 11, 16901.	3.3	26
6159	Diversity and abundance of antibiotic resistance genes in rhizosphere soil and endophytes of leafy vegetables: Focusing on the effect of the vegetable species. <i>Journal of Hazardous Materials</i> , 2021, 415, 125595.	12.4	44
6160	Characterization of the synergistic relationships between nitrification and microbial regrowth in the chloraminated drinking water supply system. <i>Environmental Research</i> , 2021, 199, 111252.	7.5	10
6161	DNA sequence and community structure diversity of multi-year soil fungi in Grape of Xinjiang. <i>Scientific Reports</i> , 2021, 11, 16367.	3.3	3
6162	Hormetic responses of soil microbiota to exogenous Cd: A step toward linking community-level hormesis to ecological risk assessment. <i>Journal of Hazardous Materials</i> , 2021, 416, 125760.	12.4	10
6163	Biosorption of Copper in Swine Manure Using <i>Aspergillus</i> and Yeast: Characterization and Its Microbial Diversity Study. <i>Frontiers in Microbiology</i> , 2021, 12, 687533.	3.5	2
6164	Effects of Age, Diet CP, NDF, EE, and Starch on the Rumen Bacteria Community and Function in Dairy Cattle. <i>Microorganisms</i> , 2021, 9, 1788.	3.6	9
6165	The Effect of Ryegrass Silage Feeding on Equine Fecal Microbiota and Blood Metabolite Profile. <i>Frontiers in Microbiology</i> , 2021, 12, 715709.	3.5	0
6166	Deciphering the Shifts in Microbial Community Diversity From Material Pretreatment to Saccharification Process of Fuyu-Flavor Baijiu. <i>Frontiers in Microbiology</i> , 2021, 12, 705967.	3.5	16
6167	Microbial dysbiosis together with nutrient imbalance cause the replant problem of upper six flue-cured tobacco in Central Henan. <i>Journal of Plant Diseases and Protection</i> , 0, , 1.	2.9	4
6168	The Preventive Role of Hydrogen-Rich Water in Thioacetamide-Induced Cholangiofibrosis in Rat Assessed by Automated Histological Classification. <i>Frontiers in Pharmacology</i> , 2021, 12, 632045.	3.5	2
6169	Organic practices intensify the microbiome assembly and suppress root-knot nematodes. <i>Journal of Pest Science</i> , 2022, 95, 709-721.	3.7	18
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6171	Response of the yellow mealworm (<i>Tenebrio molitor</i>) gut microbiome to diet shifts during polystyrene and polyethylene biodegradation. <i>Journal of Hazardous Materials</i> , 2021, 416, 126222.	12.4	54
6172	Gut Microbiota Differences According to Ultra-Processed Food Consumption in a Spanish Population. <i>Nutrients</i> , 2021, 13, 2710.	4.1	45
6173	Degradation Characteristics and Microbial Community of Phosphine Biopurification Systems. <i>Environmental Engineering Science</i> , 2021, 38, 802-810.	1.6	0

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6175	The Impact of the Inoculation of Phosphate-Solubilizing Bacteria <i>Pantoea agglomerans</i> on Phosphorus Availability and Bacterial Community Dynamics of a Semi-Arid Soil. <i>Microorganisms</i> , 2021, 9, 1661.	3.6	18
6176	Exploration of the Characteristics of Intestinal Microbiota and Metabolomics in Different Rat Models of Mongolian Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	1.2	2
6177	Vaginal Probiotic <i>Lactobacillus crispatus</i> Seems to Inhibit Sperm Activity and Subsequently Reduces Pregnancies in Rat. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 705690.	3.7	6
6178	Identifying fungal-host associations in an amphibian host system. <i>PLoS ONE</i> , 2021, 16, e0256328.	2.5	5
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6183	Myricetin and M10, a myricetin-3-O- β -D-lactose sodium salt, modify composition of gut microbiota in mice with ulcerative colitis. <i>Toxicology Letters</i> , 2021, 346, 7-15.	0.8	10
6184	Bacterial Diversity and Community in Regional Water Microbiota between Different Towns in World's Longevity Township Jiaoling, China. <i>Diversity</i> , 2021, 13, 361.	1.7	2
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6188	Mesosulfuron-methyl influenced biodegradability potential and N transformation of soil. <i>Journal of Hazardous Materials</i> , 2021, 416, 125770.	12.4	19
6189	Immune and intestinal microbiota responses to aerial exposure stress in Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Aquaculture</i> , 2021, 541, 736833.	3.5	19
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6210	Metagenomes, metatranscriptomes and microbiomes of naturally decomposing deadwood. <i>Scientific Data</i> , 2021, 8, 198.	5.3	6

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6401	Fungal community succession and volatile compound dynamics in Harbin dry sausage during fermentation. <i>Food Microbiology</i> , 2021, 99, 103764.	4.2	17
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6420	Effect of temperature on the persistence of fecal bacteria in ambient anaerobic digestion systems treating swine manure. <i>Science of the Total Environment</i> , 2021, 791, 148302.	8.0	12
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6437	Toxic effects of ammonia on intestinal health and microbiota in red-eared slider (<i>Trachemys scripta</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	8.2	17
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6443	Mycobiota of <i>Eucommia ulmoides</i> bark: Diversity, rare biosphere and core taxa. <i>Fungal Ecology</i> , 2021, 53, 101090.	1.6	7
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6452	Isolation of lindane- and endosulfan-degrading bacteria and dominance analysis in the microbial communities by culture-dependent and independent methods. <i>Microbiological Research</i> , 2021, 251, 126817.	5.3	7
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6455	Community structures of bacteria and archaea associated with the biodeterioration of sandstone sculptures at the Beishiku Temple. <i>International Biodeterioration and Biodegradation</i> , 2021, 164, 105290.	3.9	34
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6457	Changes in rumen fermentation and bacterial community in lactating dairy cows with subacute rumen acidosis following rumen content transplantation. <i>Journal of Dairy Science</i> , 2021, 104, 10780-10795.	3.4	20
6458	A water-soluble Î²-glucan improves growth performance by altering gut microbiome and health in weaned pigs. <i>Animal Nutrition</i> , 2021, 7, 1345-1351.	5.1	9
6459	Rapid pathogen discovery in diseased turbot (<i>Scophthalmus maximus</i>) using 16S rRNA high throughput sequencing. <i>Aquaculture Reports</i> , 2021, 21, 100835.	1.7	3
6460	Analysis of in vitro digestion using human gut microbiota in adult and elderly individuals. <i>Food Chemistry</i> , 2021, 362, 130228.	8.2	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.	7.8	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.	8.2	45
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6464	Straw incorporation with ridgeâ€“furrow plastic film mulch alters soil fungal community and increases maize yield in a semiarid region of China. <i>Applied Soil Ecology</i> , 2021, 167, 104038.	4.3	20
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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.	8.0	19
6467	Effects of dietary <i>Lactobacillus helveticus</i> on the growth rate, disease resistance and intestinal health of pond loach (<i>Misgurnus anguillicaudatus</i>). <i>Aquaculture</i> , 2021, 544, 737038.	3.5	18
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6476	Efficiency and mechanism of reducing ammonia volatilization in alkaline farmland soil using <i>Bacillus amyloliquefaciens</i> biofertilizer. <i>Environmental Research</i> , 2021, 202, 111672.	7.5	21
6477	Aging microplastics in wastewater pipeline networks and treatment processes: Physicochemical characteristics and Cd adsorption. <i>Science of the Total Environment</i> , 2021, 797, 148940.	8.0	26
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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.	5.0	13
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6915	Using DNA metabarcoding for assessing chironomid diversity and community change in mosquito controlled temporary wetlands. <i>Metabarcoding and Metagenomics</i> , 0, 2, e21060.	0.0	21
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7488	Soil bacterial community as impacted by addition of rice straw and biochar. <i>Scientific Reports</i> , 2021, 11, 22185.	3.3	28
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7502	Comparison of gastrointestinal microbiota in golden snub-nosed monkey (<i>Rhinopithecus roxellanae</i>), green monkey (<i>Chlorocebus aethiops sabaeus</i>), and ring-tailed lemur (<i>Lemur catta</i>) by high throughput sequencing. <i>Global Ecology and Conservation</i> , 2022, 33, e01946.	2.1	3
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8056	Effect of 6-Methoxybenzoxazolinone on the Cecal Microbiota of Adult Male Brandt's Vole. <i>Frontiers in Microbiology</i> , 2022, 13, 847073.	3.5	3
8057	Association of Gut Microbiota With Metabolism in Rainbow Trout Under Acute Heat Stress. <i>Frontiers in Microbiology</i> , 2022, 13, 846336.	3.5	11
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8065	Incomplete degradation products of galactomannan from <i>Sesbania canabina</i> modulated the caecal microbial community of laying hens. <i>Journal of Animal Science</i> , 2022, , .	0.5	4
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8197	Synthetic physical contact-remodeled rhizosphere microbiome for enhanced phytoremediation. <i>Journal of Hazardous Materials</i> , 2022, 433, 128828.	12.4	8
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8207	Integrative Analysis of the Gut Microbiota and Metabolome for <i>In Vitro</i> Human Gut Fermentation Modeling. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 15414-15424.	5.2	9
8208	Lignans dramatically enhance the resistance of <i>Fraxinus velutina</i> Torr. by adjusting the dominant bacterium group of <i>Agrilus planipennis</i> Fairmaire. <i>Pest Management Science</i> , 2022, 78, 1386-1397.	3.4	6
8209	The Effects of Different Carbon Sources on the Production Environment and Breeding Parameters of <i>Litopenaeus vannamei</i> . <i>Water (Switzerland)</i> , 2021, 13, 3584.	2.7	4
8210	Ciprofloxacin Causes the Greatest Bacterial Community Variation in Swine Manure Composting. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	7

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8212	Nitrogen Fertiliser Immobilisation and Uptake in the Rhizospheres of Wheat and Canola. <i>Agronomy</i> , 2021, 11, 2507.	3.0	0
8213	Gut Microbiota and Serum Metabolic Signatures of High-Fat-Induced Bone Loss in Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 788576.	3.9	19
8214	Pathogenic Fungi Diversity of “CuiXiang”™ Kiwifruit Black Spot Disease during Storage. <i>Horticulturae</i> , 2022, 8, 13.	2.8	5
8215	Short-Term Effects of Cover Grass on Soil Microbial Communities in an Apple Orchard on the Loess Plateau. <i>Forests</i> , 2021, 12, 1787.	2.1	3
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8219	Ursodeoxycholic Acid Treatment Restores Gut Microbiota and Alleviates Liver Inflammation in Non-Alcoholic Steatohepatic Mouse Model. <i>Frontiers in Pharmacology</i> , 2021, 12, 788558.	3.5	34
8220	Pi-Dan-Jian-Qing Decoction Ameliorates Type 2 Diabetes Mellitus Through Regulating the Gut Microbiota and Serum Metabolism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 748872.	3.9	17
8221	Patchy Distributions and Distinct Niche Partitioning of Mycoplankton Populations across a Nearshore to Open Ocean Gradient. <i>Microbiology Spectrum</i> , 2021, 9, e0147021.	3.0	4
8223	No-Antibiotic-Pectin-Based Treatment Differently Modified Cloaca Bacteriobiome of Male and Female Broiler Chickens. <i>Agriculture (Switzerland)</i> , 2022, 12, 24.	3.1	6
8224	The influence of rhizosphere soil fungal diversity and complex community structure on wheat root rot disease. <i>PeerJ</i> , 2021, 9, e12601.	2.0	4
8225	Host-Specific Effects of Arbuscular Mycorrhizal Fungi on Two <i>Caragana</i> Species in Desert Grassland. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1077.	3.5	5
8226	Characteristics of the Cervicovaginal Microenvironment in Childbearing-Age Women with Different Degrees of Cervical Lesions and HR-HPV Positivity. <i>Polish Journal of Microbiology</i> , 2021, 70, 489-500.	1.7	5
8227	Characteristics of root-associated bacterial community and nitrogen biochemical properties of two Japonica rice cultivars with different yields. <i>Food and Energy Security</i> , 2022, 11, .	4.3	0
8228	Comparison of Gut Microbiota and Metabolic Status of Sows With Different Litter Sizes During Pregnancy. <i>Frontiers in Veterinary Science</i> , 2021, 8, 793174.	2.2	8
8229	Alterations of Suckling Piglet Jejunal Microbiota Due to Infection With Porcine Epidemic Diarrhea Virus and Protection Against Infection by <i>Lactobacillus salivarius</i> . <i>Frontiers in Veterinary Science</i> , 2021, 8, 771411.	2.2	4

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8231	Effects of wheat root exudates on bacterial communities in the rhizosphere of watermelon. <i>Plant, Soil and Environment</i> , 2021, 67, 721-728.	2.2	9
8232	Strategy for the formation of microalgae-bacteria aggregates in high-rate algal ponds. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 1863-1876.	2.2	2
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8234	Analysis of Salivary Microbiome and Its Association With Periodontitis in Patients With Obstructive Sleep Apnea. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 752475.	3.9	9
8235	Synergistic effects of crop residue and microbial inoculant on soil properties and soil disease resistance in a Chinese Mollisol. <i>Scientific Reports</i> , 2021, 11, 24225.	3.3	6
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8237	Directional Changes in the Intestinal Bacterial Community in Black Soldier Fly (<i>Hermetia illucens</i>) Larvae. <i>Animals</i> , 2021, 11, 3475.	2.3	5
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8239	Shugan Hewei Decoction Alleviates Cecum Mucosal Injury and Improves Depressive- and Anxiety-Like Behaviors in Chronic Stress Model Rats by Regulating Cecal Microbiota and Inhibiting NLRP3 Inflammasome. <i>Frontiers in Pharmacology</i> , 2021, 12, 766474.	3.5	6
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8244	Effect of Ag Nanoparticles on Denitrification and Microbial Community in a Paddy Soil. <i>Frontiers in Microbiology</i> , 2021, 12, 785439.	3.5	9
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8249	A comparison of genetically and morphometrically identified macroinvertebrate community index scores with implications for aquatic life use attainment. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 18.	2.7	1
8250	Associations of physical activity with gut microbiota in pre-adolescent children. <i>Physical Activity and Nutrition</i> , 2021, 25, 24-37.	0.8	6
8251	Ecological Role of 6OH-BDE47: Is It a Chemical Offense Molecule Mediated by Enoyl-ACP Reductases?. <i>Environmental Science & Technology</i> , 2022, 56, 451-459.	10.0	3
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8253	Bioaugmentation of Atrazine-Contaminated Soil With <i>Paenarthrobacter</i> sp. Strain AT-5 and Its Effect on the Soil Microbiome. <i>Frontiers in Microbiology</i> , 2021, 12, 771463.	3.5	14
8254	Rhizobium Symbiotic Capacity Shapes Root-Associated Microbiomes in Soybean. <i>Frontiers in Microbiology</i> , 2021, 12, 709012.	3.5	14
8255	Organic Carbon Mineralization and Bacterial Community of Active Layer Soils Response to Short-Term Warming in the Great Hingâ€™an Mountains of Northeast China. <i>Frontiers in Microbiology</i> , 2021, 12, 802213.	3.5	18
8256	The Impact of Extreme Weather Events on Bacterial Communities and Opportunistic Pathogens in a Drinking Water Treatment Plant. <i>Water (Switzerland)</i> , 2022, 14, 54.	2.7	2
8257	Impact of wood species on microbial community composition, beer chemistry and sensory characteristics during barrelâ€™ageing of beer. <i>International Journal of Food Science and Technology</i> , 2022, 57, 1122-1136.	2.7	6
8258	Modulation of intestinal morphology and microbiota by dietary <i>Macleaya cordata</i> extract supplementation in Xuefeng Black-boned Chicken. <i>Animal</i> , 2021, 15, 100399.	3.3	16
8260	A High-Fat Western Diet Attenuates Intestinal Changes in Mice with DSS-Induced Low-Grade Inflammation. <i>Journal of Nutrition</i> , 2022, 152, 758-769.	2.9	5
8261	Effect of inactivated natureâ€™derived microbial composition on mouse immune system. <i>Immunity, Inflammation and Disease</i> , 2022, 10, .	2.7	6
8262	Semen <i>Sojae Praeparatum</i> alters depression-like behaviors in chronic unpredictable mild stress rats via intestinal microbiota. <i>Food Research International</i> , 2021, 150, 110808.	6.2	10
8263	Different soil salinity imparts clear alteration in rhizospheric bacterial community dynamics in rice and peanut. <i>Archives of Microbiology</i> , 2022, 204, 36.	2.2	3
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8266	Characteristics of fungal communities and the sources of mold contamination in mildewed tobacco leaves stored under different climatic conditions. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 131-144.	3.6	6
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8269	Composition and Function of Bacterial Communities of Bryophytes and Their Underlying Sediments in the Dajiuhu Peatland, Central China. <i>Journal of Earth Science (Wuhan, China)</i> , 2023, 34, 133-144.	3.2	3
8270	Effect of <i>Bacillus</i> CC112 Inoculation on Fungal Pathogens and Soil Microbial Community in a Ginseng-Cultivated Soil. <i>Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe</i> , 2020, 53, 128-139.	0.9	3
8271	Influence of Different Vegetation Types on Soil Physicochemical Parameters and Fungal Communities. <i>Microorganisms</i> , 2022, 10, 829.	3.6	9
8272	Plant and soil responses to grazing intensity drive changes in the soil microbiome in a desert steppe. <i>Plant and Soil</i> , 2023, 491, 219-237.	3.7	11
8273	Formation and Microbial Composition of Biofilms in Drip Irrigation System under Three Reclaimed Water Conditions. <i>Water (Switzerland)</i> , 2022, 14, 1216.	2.7	3
8274	Divergence in gut bacterial community between females and males in the wolf spider <i>Pardosa astrigera</i> . <i>Ecology and Evolution</i> , 2022, 12, e8823.	1.9	6
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8276	LinDA: linear models for differential abundance analysis of microbiome compositional data. <i>Genome Biology</i> , 2022, 23, 95.	8.8	79
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8278	Characterization of transposable elements within the <i>Bemisia tabaci</i> species complex. <i>Mobile DNA</i> , 2022, 13, 12.	3.6	4
8279	Catabolism of sialic acids in an environmental microbial community. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	2.7	5
8280	Continental scale deciphering of microbiome networks untangles the phyllosphere homeostasis in tea plant. <i>Journal of Advanced Research</i> , 2023, 44, 13-22.	9.5	14
8281	Correlation between the salivary microbiology and H ₂ S concentration of the oral cavity. <i>Oral Diseases</i> , 2023, 29, 2283-2292.	3.0	2
8282	Microorganisms of Microbial Mats from an Alkaline Hot Spring of Baikal Rift Zone as Bioagents in a Biofuel Cell. <i>Geomicrobiology Journal</i> , 2022, 39, 566-576.	2.0	1
8283	Development of colorectal cancer detection and prediction based on gut microbiome big-data. <i>Medicine in Microecology</i> , 2022, 12, 100053.	1.6	2
8284	Control strategies for biofilm control in reclaimed water distribution systems from the perspective of microbial antagonism and electrochemistry. <i>Science of the Total Environment</i> , 2022, 834, 155289.	8.0	5
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8288	The Comparison of Gut Bacteria Communities and the Functions Among the Sympatric Grasshopper Species From the Loess Plateau. <i>Frontiers in Microbiology</i> , 2022, 13, 806927.	3.5	2
8289	Amplicon-based sequencing and co-occurrence network analysis reveals notable differences of microbial community structure in healthy and dandruff scalps. <i>BMC Genomics</i> , 2022, 23, 312.	2.8	2
8290	Application of Manure Rather Than Plant-Origin Organic Fertilizers Alters the Fungal Community in Continuous Cropping Tobacco Soil. <i>Frontiers in Microbiology</i> , 2022, 13, 818956.	3.5	14
8291	Early-life gut microbiota and attention deficit hyperactivity disorder in preadolescents. <i>Pediatric Research</i> , 2023, 93, 2051-2060.	2.3	5
8292	Differences of Macroalgal Consumption by Eight Herbivorous Coral Reef Fishes From the Xisha Islands, China. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
8293	Synthetic bacterial community derived from a desert rhizosphere confers salt stress resilience to tomato in the presence of a soil microbiome. <i>ISME Journal</i> , 2022, 16, 1907-1920.	9.8	54
8294	Development of Early-Life Gastrointestinal Microbiota in the Presence of Antibiotics Alters the Severity of Acute DSS-Induced Colitis in Mice. <i>Microbiology Spectrum</i> , 2022, , e0269221.	3.0	4
8295	Diversity and dynamics of bacterial communities associated with <i>Haematococcus pluvialis</i> at different life stages. <i>Journal of Applied Phycology</i> , 0, , .	2.8	0
8296	Microbial Cross-Talk: Dissecting the Core Microbiota Associated With Flue-Cured Tobacco (<i>Nicotiana glauca</i>) Treated With 10TgBT /Overlock 10TgBT	3.5	15
8297	From Mouth to Brain: Distinct Supragingival Plaque Microbiota Composition in Cerebral Palsy Children With Caries. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 814473.	3.9	6
8298	<i>Lactobacillus rhamnosus</i> Encapsulated in Alginate/Chitosan Microgels Manipulates the Gut Microbiome to Ameliorate Salt-Induced Hepatorenal Injury. <i>Frontiers in Nutrition</i> , 2022, 9, 872808.	3.7	6
8300	Fungal communities associated with acorn woodpeckers and their excavations. <i>Fungal Ecology</i> , 2022, 59, 101154.	1.6	4
8301	<i>Bacillus subtilis</i> plays a role in the inhibition of transporter ABCB1 in Caco-2 cells. <i>Epilepsy Research</i> , 2022, 183, 106925.	1.6	2
8302	Soil microbial distribution and assembly are related to vegetation biomass in the alpine permafrost regions of the Qinghai-Tibet Plateau. <i>Science of the Total Environment</i> , 2022, 834, 155259.	8.0	24
8303	Dried Plum's Polyphenolic Compounds and Carbohydrates Contribute to Its Osteoprotective Effects and Exhibit Prebiotic Activity in Estrogen Deficient C57BL/6 Mice. <i>Nutrients</i> , 2022, 14, 1685.	4.1	2
8304	Integrated network analysis reveals that exogenous cadmium-tolerant endophytic bacteria inhibit cadmium uptake in rice. <i>Chemosphere</i> , 2022, 301, 134655.	8.2	7

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8306	Distinct Serum and Fecal Metabolite Profiles Linking With Gut Microbiome in Older Adults With Frailty. <i>Frontiers in Medicine</i> , 2022, 9, 827174.	2.6	8
8307	Environmental factors affect the arbuscular mycorrhizal fungal community through the status of host plants in three patterns of Chinese fir in southern China. <i>Global Ecology and Conservation</i> , 2022, , e02121.	2.1	3
8308	Analysis of Gut Microbiota and Metabolites in Diannan Small Ear Sows at Diestrus and Metestrus. <i>Frontiers in Microbiology</i> , 2022, 13, 826881.	3.5	3
8309	Metabolomics and Microbiomics Reveal Impacts of Rhizosphere Metabolites on Alfalfa Continuous Cropping. <i>Frontiers in Microbiology</i> , 2022, 13, 833968.	3.5	5
8310	Creutzfeldt-Jakob Disease: Alterations of Gut Microbiota. <i>Frontiers in Neurology</i> , 2022, 13, 832599.	2.4	4
8311	Maternal Dietary Betaine Prevents High-Fat Diet-Induced Metabolic Disorders and Gut Microbiota Alterations in Mouse Dams and Offspring From Young to Adult. <i>Frontiers in Microbiology</i> , 2022, 13, 809642.	3.5	6
8312	Influence of Association Network Properties and Ecological Assembly of the Foliar Fungal Community on Crop Quality. <i>Frontiers in Microbiology</i> , 2022, 13, 783923.	3.5	4
8313	Macroaggregates Serve as Micro-Hotspots Enriched With Functional and Networked Microbial Communities and Enhanced Under Organic/Inorganic Fertilization in a Paddy Topsoil From Southeastern China. <i>Frontiers in Microbiology</i> , 2022, 13, 831746.	3.5	4
8315	Quorum Quenching Bacteria <i>Bacillus velezensis</i> DH82 on Biological Control of <i>Vibrio parahaemolyticus</i> for Sustainable Aquaculture of <i>Litopenaeus vannamei</i> . <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
8316	Salinity Is a Key Determinant for the Microeukaryotic Community in Lake Ecosystems of the Inner Mongolia Plateau, China. <i>Frontiers in Microbiology</i> , 2022, 13, 841686.	3.5	4
8317	Microbiome Analysis of Malacopathogenic Nematodes Suggests No Evidence of a Single Bacterial Symbiont Responsible for Gastropod Mortality. <i>Frontiers in Immunology</i> , 2022, 13, 878783.	4.8	9
8318	Changes in Rumen Bacterial Community Induced by the Dietary Physically Effective Neutral Detergent Fiber Levels in Goat Diets. <i>Frontiers in Microbiology</i> , 2022, 13, 820509.	3.5	11
8319	Protective Effects of <i>Abrus cantoniensis</i> Hance on the Fatty Liver Hemorrhagic Syndrome in Laying Hens Based on Liver Metabolomics and Gut Microbiota. <i>Frontiers in Veterinary Science</i> , 2022, 9, 862006.	2.2	8
8320	Enhanced anaerobic digestion of dairy wastewater in a granular activated carbon amended sequential batch reactor. <i>GCB Bioenergy</i> , 2022, 14, 840-857.	5.6	10
8321	Ecological impacts of sea-crossing bridge construction on local sediment microbiome in East China. <i>Regional Studies in Marine Science</i> , 2022, , 102363.	0.7	1
8322	Road Salt versus Urban Snow Effects on Lake Microbial Communities. <i>Microorganisms</i> , 2022, 10, 803.	3.6	4
8323	Effects of Drought on the Growth of <i>Lespedeza davurica</i> through the Alteration of Soil Microbial Communities and Nutrient Availability. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 384.	3.5	7

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8325	Responses of Soil Microbial Communities and Networks to Precipitation Change in a Typical Steppe Ecosystem of the Loess Plateau. <i>Microorganisms</i> , 2022, 10, 817.	3.6	10
8326	Organic management enhances soil quality and drives microbial community diversity in cocoa production systems. <i>Science of the Total Environment</i> , 2022, 834, 155223.	8.0	17
8327	Grape Cultivar Features Differentiate the Grape Rhizosphere Microbiota. <i>Plants</i> , 2022, 11, 1111.	3.5	10
8328	Cultivation and Functional Characterization of a Deep-Sea <i>Lentisphaerae</i> Representative Reveals Its Unique Physiology and Ecology. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	1
8329	Granulation strategies applied to industrial wastewater treatment: from lab to full-scale. <i>Water Science and Technology</i> , 2022, 85, 2761-2771.	2.5	12
8330	First Insights into the Diet Composition of Madeiran and Monteiro's Storm Petrels (<i>Hydrobates</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	0.3	1
8331	Gut Microbiota of <i>Ostrinia nubilalis</i> Larvae Degrade Maize Cellulose. <i>Frontiers in Microbiology</i> , 2022, 13, 816954.	3.5	9
8332	Methamphetamine Disturbs Gut Homeostasis and Reshapes Serum Metabolome, Inducing Neurotoxicity and Abnormal Behaviors in Mice. <i>Frontiers in Microbiology</i> , 2022, 13, 755189.	3.5	10
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9895	Soil Organic Matter Quality, Rather than Quantity, Drives Spatial Variation of Soil Microbial Basal Respiration in Boreal Forests. SSRN Electronic Journal, 0, , .	0.4	0
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9898	Impact of sucroferric oxyhydroxide on the oral and intestinal microbiome in hemodialysis patients. Scientific Reports, 2022, 12, .	3.3	3
9900	Topical Fungal Infection Induces Shifts in the Gut Microbiota Structure of Brown Planthopper, Nilaparvata lugens (Homoptera: Delphacidae). Insects, 2022, 13, 528.	2.2	7
9901	Investigation on the Microbial Diversity of Fresh-Cut Lettuce during Processing and Storage Using High Throughput Sequencing and Their Relationship with Quality. Foods, 2022, 11, 1683.	4.3	5
9902	Effects of Non-Protein Nitrogen Sources on In Vitro Rumen Fermentation Characteristics and Microbial Diversity. Frontiers in Animal Science, 0, 3, .	1.9	2
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9907	Salinity and seasonality shaping free-living and particle-associated bacterioplankton community assembly in lakeshores of the northeastern Qinghai-Tibet Plateau. Environmental Research, 2022, 214, 113717.	7.5	2
9908	Evaluating Starter Feeding on Ruminal Function in Yak Calves: Combined 16S rRNA Sequencing and Metabolomics. Frontiers in Microbiology, 0, 13, .	3.5	5
9909	New compound probiotic beverage protects against antibiotic-associated diarrhea in mice by modulating the microbiota. Future Microbiology, 0, , .	2.0	2
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9911	Analysis of Fungal Microbiomes in Edible Medicinal Morindae Officinalis Radix and Alpiniae Oxyphyllae Fructus Using DNA Metabarcoding. Foods, 2022, 11, 1748.	4.3	4
9912	The Multi-Omics Analysis Revealed Microbiological Regulation of Rabbit Colon with Diarrhea Fed an Antibiotic-Free Diet. Animals, 2022, 12, 1497.	2.3	1

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9913	Response of the Soil Microbe Community to Maize Residue Management Strategies Under Double-Cropping Systems. <i>Frontiers in Agronomy</i> , 0, 4, .	3.3	0
9914	Influence of different irrigation methods on the alfalfa rhizosphere soil fungal communities in an arid region. <i>PLoS ONE</i> , 2022, 17, e0268175.	2.5	2
9915	The combined impact of xylo-oligosaccharides and gamma-irradiated astragalus polysaccharides on the immune response, antioxidant capacity, and intestinal microbiota composition of broilers. <i>Poultry Science</i> , 2022, 101, 101996.	3.4	10
9916	Wild and Captive Environments Drive the Convergence of Gut Microbiota and Impact Health in Threatened Equids. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4
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9918	The ROS-generating enzyme NADPH oxidase 1 modulates the colonic microbiota but offers minor protection against dextran sulfate sodium-induced low-grade colon inflammation in mice. <i>Free Radical Biology and Medicine</i> , 2022, 188, 298-311.	2.9	4
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9920	Microbial Succession and Interactions During the Manufacture of Fu Brick Tea. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	12
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9922	Change of Gut Microbiota in PRRSV-Resistant Pigs and PRRSV-Susceptible Pigs from Tongcheng Pigs and Large White Pigs Crossed Population upon PRRSV Infection. <i>Animals</i> , 2022, 12, 1504.	2.3	6
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9927	Metagenomic profiles of the early life microbiome of Indonesian inpatient neonates and their influence on clinical characteristics. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
9928	Leaf-Associated Epiphytic Fungi of <i>Ginkgo biloba</i> , <i>Pinus bungeana</i> and <i>Sabina chinensis</i> Exhibit Delicate Seasonal Variations. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 631.	3.5	4
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9934	Microbial community roles and chemical mechanisms in the parasitic development of <i>Orobanche cumana</i> . , 0, , .		3
9935	Nitrogen Removal of Water and Sediment in Grass Carp Aquaculture Ponds by Mixed Nitrifying and Denitrifying Bacteria and Its Effects on Bacterial Community. <i>Water (Switzerland)</i> , 2022, 14, 1855.	2.7	8
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9937	Specific Plant Mycorrhizal Responses Are Linked to Mycorrhizal Fungal Species Interactions. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	8
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9940	Characterizing the Microbial Consortium L1 Capable of Efficiently Degrading Chlorimuron-Ethyl via Metagenome Combining 16S rDNA Sequencing. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	2
9941	Analysis of fermentation control factors on volatile compounds of primary microorganisms in Jiangnan flavor <i>Daqu</i> . <i>Journal of Food Biochemistry</i> , 2022, 46, .	2.9	12
9942	<i>N</i> -Acetylglucosamine Promotes Tomato Plant Growth by Shaping the Community Structure and Metabolism of the Rhizosphere Microbiome. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	6
9943	Investigation of fungal contamination in medicinal and edible <i>Lycii Fructus</i> through DNA metabarcoding. <i>Journal of Applied Microbiology</i> , 2022, 133, 1555-1565.	3.1	2
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9946	The Effects of DNA Extraction Kits and Primers on Prokaryotic and Eukaryotic Microbial Community in Freshwater Sediments. <i>Microorganisms</i> , 2022, 10, 1213.	3.6	4
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9950	<i>Ralstonia solanacearum</i> Infection Disturbed the Microbiome Structure Throughout the Whole Tobacco Crop Niche as Well as the Nitrogen Metabolism in Soil. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	9
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9953	The niche-specialist and age-related oral microbial ecosystem: crosstalk with host immune cells in homeostasis. <i>Microbial Genomics</i> , 2022, 8, .	2.0	2
9954	Contrasting Responses of Multispatial Soil Fungal Communities of <i>Thuja sutchuenensis</i> Franch., an Extremely Endangered Conifer in Southwestern China. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	4
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9959	Rapid changes in coastal ocean microbiomes uncoupled with shifts in environmental variables. <i>Environmental Microbiology</i> , 0, , .	3.8	1
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9968	Responses of Cyanobacterial Crusts and Microbial Communities to Extreme Environments of the Stratosphere. <i>Microorganisms</i> , 2022, 10, 1252.	3.6	2
9969	Partitioning of beta-diversity reveals distinct assembly mechanisms of plant and soil microbial communities in response to nitrogen enrichment. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	4
9971	Deep Learning Encoding for Rapid Sequence Identification on Microbiome Data. <i>Frontiers in Bioinformatics</i> , 0, 2, .	2.1	3
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9979	Tributylin administration improves intestinal development and health in pre-weaned dairy calves fed milk replacer. <i>Animal Nutrition</i> , 2022, 10, 399-411.	5.1	13
9980	Comparative Analysis of Gut Microbial Composition and Functions in Przewalski's Gazelle (<i>Procapra</i>) Tj ETQq0 0 0 rgBT /Qverlock 10	3.5	6
9981	Metagenomic and Microscopic Analysis of Magnetotactic Bacteria in Tangyin Hydrothermal Field of Okinawa Trough. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
9982	Antidepressant Shugan Jieyu Capsule Alters Gut Microbiota and Intestinal Microbiome Function in Rats With Chronic Unpredictable Mild Stress -Induced Depression. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	9
9983	Root-Associated Endophytic and Mycorrhizal Fungi from the Epiphytic Orchid <i>Maxillaria acuminata</i> in a Tropical Montane Forest in Southern Ecuador. <i>Diversity</i> , 2022, 14, 478.	1.7	1
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9988	From the bacterial citrus microbiome to the selection of potentially host-beneficial microbes. <i>New Biotechnology</i> , 2022, 70, 116-128.	4.4	7
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9998	Keystone microbial taxa drive the accelerated decompositions of cellulose and lignin by long-term resource enrichments. <i>Science of the Total Environment</i> , 2022, 842, 156814.	8.0	14
9999	Microbial water quality of the copepod <i>Acartia tonsa</i> in cultures for use as live feed. <i>Aquaculture</i> , 2022, 560, 738439.	3.5	1
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10026	The oral microbiome analysis reveals the similarities and differences between periodontitis and Crohn's disease-associated periodontitis. <i>FEMS Microbiology Letters</i> , 0, , .	1.8	1
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10028	A Drying-Rewetting Cycle Imposes More Important Shifts on Soil Microbial Communities than Does Reduced Precipitation. <i>MSystems</i> , 2022, 7, .	3.8	12
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10039	Association Between Non-Suicidal Self-Injury and Gut Microbial Characteristics in Chinese Adolescent. <i>Neuropsychiatric Disease and Treatment</i> , 0, Volume 18, 1315-1328.	2.2	3
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10043	Comparison of the co-occurrence patterns of the gut microbial community between Bt-susceptible and Bt-resistant strains of the rice stem borer, <i>Chilo suppressalis</i> . <i>Journal of Pest Science</i> , 2023, 96, 299-315.	3.7	6
10044	Impaired microbial ϵ -N-acetyl homoserine lactone signalling increases plant resistance to aphids across variable abiotic and biotic environments. <i>Plant, Cell and Environment</i> , 2022, 45, 3052-3069.	5.7	4
10045	Altered Intestinal Microbiomes and Lipid Metabolism in Patients With Prolonged Disorders of Consciousness. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	3
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10047	A Mycorrhizal Bacteria Strain Isolated From <i>Polyporus umbellatus</i> Exhibits Broad-Spectrum Antifungal Activity. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	3
10048	Regulation of wheat bran feruloyl oligosaccharides in the intestinal antioxidative capacity of rats associated with the p38/JNK ϵ Nrf2 signaling pathway and gut microbiota. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 6992-7002.	3.5	5
10050	Colonic Microflora Protagonist of Liver Metabolism and Gut Permeability: Study on Mice Model. <i>Indian Journal of Microbiology</i> , 0, , .	2.7	0
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10054	Characteristics of Gut Microbiota in Patients With Clear Cell Renal Cell Carcinoma. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	9
10055	MdNRT2.4 interacts with rhizosphere bacteria to enhance nitrate uptake in apple rootstocks. <i>Journal of Experimental Botany</i> , 0, , .	4.8	6
10056	Nisin and Nisin Probiotic Disrupt Oral Pathogenic Biofilms and Restore Their Microbiome Composition towards Healthy Control Levels in a Peri-Implantitis Setting. <i>Microorganisms</i> , 2022, 10, 1336.	3.6	9
10057	Biochar Amendments Facilitate Methane Production by Regulating the Abundances of Methanogens and Methanotrophs in Flooded Paddy Soil. <i>Frontiers in Soil Science</i> , 0, 2, .	2.2	1
10058	Comparative Genomics of Thaumarchaeota From Deep-Sea Sponges Reveal Their Niche Adaptation. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
10059	Native tree root exudates promote tolerance of simulated herbivory of an invasive tree via altered functional traits. <i>Plant and Soil</i> , 2022, 479, 389-404.	3.7	1
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10064	Alterations in the Microbiota of Caged Honeybees in the Presence of <i>Nosema ceranae</i> Infection and Related Changes in Functionality. <i>Microbial Ecology</i> , 2023, 86, 601-616.	2.8	7
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10067	Effects of dietary chrysophyte (<i>Poterioochromonas malhamensis</i>) rich in beta-glucan on the growth performance, intestinal health, lipid metabolism, immune gene expression, and disease resistance against <i>Aeromonas salmonicida</i> in juvenile rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 2022, 561, 738589.	3.5	5
10068	Rumen Bacteria Abundance and Fermentation Profile during Subacute Ruminant Acidosis and Its Modulation by <i>Aspergillus oryzae</i> Culture in RUSITEC System. <i>Fermentation</i> , 2022, 8, 329.	3.0	5
10069	Functional Properties of Protein Hydrolysates on Growth, Digestive Enzyme Activities, Protein Metabolism, and Intestinal Health of Larval Largemouth Bass (<i>Micropterus salmoides</i>). <i>Frontiers in Immunology</i> , 0, 13, .	4.8	13
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10082	Mechanism of increased soil phosphorus availability in a calcareous soil by ammonium polyphosphate. <i>Biology and Fertility of Soils</i> , 2022, 58, 649-665.	4.3	6
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10089	Healthy Gut Microbiome Composition Enhances Disease Resistance and Fat Deposition in Tibetan Pigs. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	9
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10097	Enhanced microbial nitrification-denitrification processes in a subtropical metropolitan river network. <i>Water Research</i> , 2022, 222, 118857.	11.3	19

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10099	Two <i>Laminaria japonica</i> polysaccharides with distinct structure characterization affect gut microbiota and metabolites in hyperlipidemic mice differently. <i>Food Research International</i> , 2022, 159, 111615.	6.2	16
10100	Integrated 16S rDNA, metabolomics, and TNF- α /NF- κ B signaling pathway analyses to explain the modulatory effect of <i>Poria cocos</i> aqueous extract on anxiety-like behavior. <i>Phytomedicine</i> , 2022, 104, 154300.	5.3	5
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10114	Reduction of banana fusarium wilt associated with soil microbiome reconstruction through green manure intercropping. <i>Agriculture, Ecosystems and Environment</i> , 2022, 337, 108065.	5.3	10
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10130	Host genetic determinants drive compartmentâ€specific assembly of tea plant microbiomes. <i>Plant Biotechnology Journal</i> , 2022, 20, 2174-2186.	8.3	10
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10132	Dietary supplementation with calcium propionate could beneficially alter rectal microbial composition of early lactation dairy cows. <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	1
10133	Microbial community composition and soil metabolism in the coexisting <i>Cordyceps militaris</i> and <i>Ophiocordyceps highlandensis</i> . <i>Journal of Basic Microbiology</i> , 2022, 62, 1254-1273.	3.3	1

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10139	Composition of prokaryotic and viral community in continuously cropped field of <i>Coptis chinensis</i> Franch. Plant and Soil, 0, , .	3.7	0
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10156	Lung Allograft Microbiome Association with Gastroesophageal Reflux, Inflammation, and Allograft Dysfunction. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 1495-1507.	5.6	8
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10158	Effect of nickel (II) on the performance of anodic electroactive biofilms in bioelectrochemical systems. <i>Water Research</i> , 2022, 222, 118889.	11.3	17
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10162	Moss biocrust accelerates the recovery and resilience of soil microbial communities in fire-affected semi-arid Mediterranean soils. <i>Science of the Total Environment</i> , 2022, 846, 157467.	8.0	8
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10173	A Pilot Study: Favorable Effects of <i>Clostridium butyricum</i> on Intestinal Microbiota for Adjuvant Therapy of Lung Cancer. Cancers, 2022, 14, 3599.	3.7	1
10174	Effects of inoculation of <i>Lactiplantibacillus plantarum</i> and <i>Lentilactobacillus buchneri</i> on fermentation quality, aerobic stability, and microbial community dynamics of wilted <i>Leymus chinensis</i> silage. Frontiers in Microbiology, 0, 13, .	3.5	11
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10249	Influence of microbial augmentation on contaminated manure composting: metal immobilization, matter transformation, and bacterial response. <i>Journal of Hazardous Materials</i> , 2023, 441, 129762.	12.4	16
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10253	Antihypertensive Activity of Milk Fermented by <i>Lactiplantibacillus</i> Âplantarum SR37-3 and SR61-2 in L-NAME-Induced Hypertensive Rats. <i>Foods</i> , 2022, 11, 2332.	4.3	10
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10261	Analysis of microbial diversity and community structure of rhizosphere soil of <i>Cistanche salsa</i> from different host plants. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4
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10267	Endometrial and vaginal microbiome in donkeys with and without clinical endometritis. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4
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10281	Effect of dietary peNDF levels on digestibility and rumen fermentation, and microbial community in growing goats. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4
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10286	Full-scale demonstration of a floating seal for enhanced biological nutrient removal in a sequencing batch reactor establishing chemical-free environment in wastewater treatment at low carbon source availability. <i>Environmental Technology (United Kingdom)</i> , 2024, 45, 381-392.	2.2	0
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10293	Additions of <i>Liriodendron sino-americanum</i> Leaf Powder Change Soil Quality, Improve <i>Sarcandra glabra</i> Growth, and Alter Microbial Community. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	3.4	1
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10297	<i>Lactiplantibacillus plantarum</i> Strain FLPL05 Promotes Longevity in Mice by Improving Intestinal Barrier. <i>Probiotics and Antimicrobial Proteins</i> , 2023, 15, 1193-1205.	3.9	3
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10299	Mechanism underlying the response of fungi and their <i>Fusarium</i> symbiotic networks to the rotations of soybean and corn. <i>Fungal Biology</i> , 2022, 126, 609-619.	2.5	1
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10304	Thermophilic anaerobic co-digestion of glycerol and cheese whey – Effect of increasing organic loading rate. Chemical Engineering Research and Design, 2022, 165, 895-907.	5.6	10
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10306	Valorization of sugarcane bagasse through biofuel and value-added soluble metabolites production: Optimization of alkaline hydrothermal pretreatment. Biomass and Bioenergy, 2022, 165, 106564.	5.7	2
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10312	Isolation and characterization of bacteria that produce quorum sensing molecules during the fermentation and deterioration of pickles. International Journal of Food Microbiology, 2022, 379, 109869.	4.7	3
10313	Biochar addition regulates soil and earthworm gut microbiome and multifunctionality. Soil Biology and Biochemistry, 2022, 173, 108810.	8.8	19
10314	Composition and distribution of bacterial communities and antibiotic resistance genes in fish of four mariculture systems. Environmental Pollution, 2022, 311, 119934.	7.5	8
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10319	Physiological response of rainbow trout (<i>Oncorhynchus mykiss</i>) to graded levels of novel <i>Chlorella sorokiniana</i> meal as a single fishmeal alternative or combined with black soldier fly larval meal. <i>Aquaculture</i> , 2022, 561, 738715.	3.5	5
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10326	Soil quality and r ² K fungal communities in plantations after conversion from subtropical forest. <i>Catena</i> , 2022, 219, 106584.	5.0	10
10327	Graphene/hydroxyapatite nano-composite for enhancement of hydrogen productivity from delignified duckweed. <i>Fuel</i> , 2022, 330, 125537.	6.4	7
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10348	Plant Growth-Promoting Rhizobacteria Promote Growth of Seedlings, Regulate Soil Microbial Community, and Alleviate Damping-Off Disease Caused by <i>Rhizoctonia solani</i> on <i>Pinus sylvestris</i> var. <i>mongolica</i> . <i>Plant Disease</i> , 2022, 106, 2730-2740.	1.4	4
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10624	Legacy Effects of Biochar and Compost Addition on Arbuscular Mycorrhizal Fungal Community and Co-Occurrence Network in Black Soil. <i>Microorganisms</i> , 2022, 10, 2137.	3.6	6
10625	Bacterial community in soil and tree roots of <i>Picea abies</i> shows little response to clearcutting. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	2.7	0
10626	Effects of Insect-Resistant Maize HGK60 on Community Diversity of Bacteria and Fungi in Rhizosphere Soil. <i>Plants</i> , 2022, 11, 2824.	3.5	2
10627	Effect of an enzyme-containing mouthwash on the dental biofilm and salivary microbiome in patients with fixed orthodontic appliances: a randomized placebo-controlled pilot trial. <i>European Journal of Orthodontics</i> , 0, , .	2.4	0
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10631	Hole Application of Urea Inhibited Nitrification in the Zone around the Fertilizer Point by Reducing the Abundance of Nitrification Genes. <i>Agriculture (Switzerland)</i> , 2022, 12, 1771.	3.1	1
10632	Differential Influences of Wind-Blown Sand Burial on Bacterial and Fungal Communities Inhabiting Biological Soil Crusts in a Temperate Desert, China. <i>Microorganisms</i> , 2022, 10, 2010.	3.6	0
10633	Melatonin and dopamine enhance waterlogging tolerance by modulating ROS scavenging, nitrogen uptake, and the rhizosphere microbial community in <i>Malus hupehensis</i> . <i>Plant and Soil</i> , 2023, 483, 475-493.	3.7	12
10634	Determination of the microbial community of traditional Mongolian cheese by using culture-dependent and independent methods. <i>Food Science and Nutrition</i> , 0, , .	3.4	0
10635	Microbiota of vaccinated and non-vaccinated clinically inconspicuous and conspicuous piglets under natural <i>Lawsonia intracellularis</i> infection. <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	1

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10643	Planting <i>Cyperus esculentus</i> augments soil microbial biomass and diversity, but not enzymatic activities. <i>PeerJ</i> , 0, 10, e14199.	2.0	3
10644	Gut microbiota modulation by plant polyphenols in koi carp (<i>Cyprinus carpio</i> L.). <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	5
10645	Ecological niche selection shapes the assembly and diversity of microbial communities in <i>Casuarina equisetifolia</i> L.. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	4
10646	Application of spray-dried erythromycin fermentation residue as a soil amendment: antibiotic resistance genes, nitrogen cycling, and microbial community structure. <i>Environmental Science and Pollution Research</i> , 2023, 30, 20547-20557.	5.3	2
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10652	Effects of trunk injection with emamectin benzoate on arthropod diversity. <i>Pest Management Science</i> , 2023, 79, 935-946.	3.4	4
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10660	Housekeeping gene <i>gyrA</i> , a potential molecular marker for <i>Bacillus</i> ecology study. <i>AMB Express</i> , 2022, 12, .	3.0	11
10661	Partial Replacement of Oat Hay with Whole-Plant Hydroponic Barley Seedlings Modulates Ruminal Microbiota and Affects Growth Performance of Holstein Heifers. <i>Microorganisms</i> , 2022, 10, 2000.	3.6	2
10662	Pesticide residue exposure provides different responses of the microbiomes of distinct cultures of the stored product pest mite <i>Acarus siro</i> . <i>BMC Microbiology</i> , 2022, 22, .	3.3	1
10663	LotuS2: an ultrafast and highly accurate tool for amplicon sequencing analysis. <i>Microbiome</i> , 2022, 10, .	11.1	22
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10666	Microbial assemblages of Schisandraceae plants and the correlations between endophytic species and the accumulation of secondary metabolites. <i>Plant and Soil</i> , 2023, 483, 85-107.	3.7	4
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10669	Association of body mass index and intestinal (faecal) <i>Streptococcus</i> in adults in Xining city, China P.R.. <i>Beneficial Microbes</i> , 2022, 13, 465-471.	2.4	5
10670	Supplemental dietary Selenohomolanthionine affects growth and rumen bacterial population of Shaanbei white cashmere wether goats. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	7
10671	Jatrorrhizine alleviates ulcerative colitis via regulating gut microbiota and NOS2 expression. <i>Gut Pathogens</i> , 2022, 14, .	3.4	4
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10675	Species diversity analysis of commercial Mantidis Ootheca samples contaminated by store pests based on DNA metabarcoding. <i>BMC Genomics</i> , 2022, 23, .	2.8	5
10676	Alterations in gut microbiota improve SCFA production and fiber utilization in Tibetan pigs fed alfalfa diet. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	11
10677	Effects of Fermented Bamboo Shoot Processing Waste on Growth Performance, Serum Parameters, and Gut Microbiota of Weaned Piglets. <i>Animals</i> , 2022, 12, 2728.	2.3	2
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10686	Gut microbial ecology of Philippine gekkonids: ecoevolutionary effects on microbiome compositions. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	2.7	2
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10690	Effect of poplar ecological retreat project on soil bacterial community structure in Dongting Lake wetland. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	0
10691	Metabarcoding assessment of fungal diversity in brown algae and sponges of Mauritius. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3

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10695	Electrochemical Responses and Microbial Community Shift of Electroactive Biofilm to Acidity Stress in Microbial Fuel Cells. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 1268.	2.0	0
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10697	Effects of land-use patterns on the biogeography of the sediment bacteria in the Yarlung Tsangpo River. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	2.7	3
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10702	Response of Soil Bacterial Diversity, Predicted Functions and Co-Occurrence Patterns to Nanoceria and Ionic Cerium Exposure. <i>Microorganisms</i> , 2022, 10, 1982.	3.6	1
10703	Maternal gut microbiota mediate intergenerational effects of high-fat diet on descendant social behavior. <i>Cell Reports</i> , 2022, 41, 111461.	6.4	14
10705	Differential effects of <i>Akkermansia</i> -enriched fecal microbiota transplant on energy balance in female mice on high-fat diet. <i>Frontiers in Endocrinology</i> , 0, 13, .	3.5	5
10706	Amoxicillin modulates gut microbiota to improve short-term high-fat diet induced pathophysiology in mice. <i>Gut Pathogens</i> , 2022, 14, .	3.4	2
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10716	Effect of Unsaturated Fatty Acid Ratio In Vitro on Rumen Fermentation, Methane Concentration, and Microbial Profile. <i>Fermentation</i> , 2022, 8, 540.	3.0	5
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10723	Effects of heat stress on 16S rDNA, metagenome and metabolome in Holstein cows at different growth stages. <i>Scientific Data</i> , 2022, 9, .	5.3	1
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10726	Sodium humate alters the intestinal microbiome, short-chain fatty acids, eggshell ultrastructure, and egg performance of old laying hens. <i>Frontiers in Veterinary Science</i> , 0, 9, .	2.2	2
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10728	Effects of combined aerobic and resistance training on gut microbiota and cardiovascular risk factors in physically active elderly women: A randomized controlled trial. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	5
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10735	Comparison of epiphytic and intestinal bacterial communities in freshwater snails (<i>Bellamya</i>). <i>ETQq1 1 0.784314 rgBT / Qverlock 10</i>	2.0	1
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10756	Rescue of social deficits by early-life melatonin supplementation through modulation of gut microbiota in a murine model of autism. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113949.	5.6	5
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10758	A microbiome abundant environment remodels the intestinal microbiota and improves resistance to obesity induced by chlorpyrifos in mice. <i>Environmental Pollution</i> , 2022, 315, 120415.	7.5	2
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10760	Adaptation of rhizosphere and endosphere microbiome to heavy metal pollution in castor bean. <i>Rhizosphere</i> , 2022, 24, 100618.	3.0	2
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10763	Evolution of microbial communities during fermentation of Chi-flavor type Baijiu as determined by high-throughput sequencing. <i>LWT - Food Science and Technology</i> , 2022, 170, 114102.	5.2	12
10764	Differential plant growth-promoting rhizobacteria species selection by maize, cowpea, and lima bean. <i>Rhizosphere</i> , 2022, 24, 100626.	3.0	6
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10766	Abundant bacteria and fungi attached to airborne particulates in vegetable plastic greenhouses. <i>Science of the Total Environment</i> , 2023, 857, 159507.	8.0	8
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10768	Tree species traits and mycorrhizal association shape soil microbial communities via litter quality and species mediated soil properties. <i>Forest Ecology and Management</i> , 2023, 527, 120608.	3.2	18
10769	Effects of flooding outweigh those of vegetation restoration on key processes of carbon and nitrogen cycling in a degraded riparian zone. <i>Catena</i> , 2023, 220, 106610.	5.0	5
10770	Evaluation on the effects of phage cocktail in preventing <i>Aeromonas veronii</i> infection in Gibel carps (<i>Carassius auratus gibelio</i>). <i>Aquaculture</i> , 2023, 563, 738998.	3.5	1
10771	Removal performance and inhibitory effects of combined tetracycline, oxytetracycline, sulfadiazine, and norfloxacin on anaerobic digestion process treating swine manure. <i>Science of the Total Environment</i> , 2023, 857, 159536.	8.0	13
10772	The importance of rest phase and pollutant removal mechanism of tidal flow constructed wetlands (TFCW) in rural grey water treatment. <i>Chemosphere</i> , 2023, 311, 137010.	8.2	3
10773	Responses of soil microbial community structure, potential ecological functions, and soil physicochemical properties to different cultivation patterns in cucumber. <i>Geoderma</i> , 2023, 429, 116237.	5.1	9
10774	Acute polyethylene microplastic (PE-MPs) exposure activates the intestinal mucosal immune network pathway in adult zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2023, 311, 137048.	8.2	9
10775	Rhizosphere soil microbes benefit carbon and nitrogen sinks under long-term afforestation on the Tibetan Plateau. <i>Catena</i> , 2023, 220, 106705.	5.0	5
10776	Povidone iodine exposure alters the immune response and microbiota of the gill and skin in koi carp, <i>Cyprinus carpio</i> . <i>Aquaculture</i> , 2023, 563, 738926.	3.5	6
10777	Community assembly patterns and processes of microbiome responses to habitats and <i>Mytilopsis sallei</i> invasion in the tidal zones of the Pearl River Estuary. <i>Science of the Total Environment</i> , 2023, 857, 159675.	8.0	4
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10779	Eukaryotic plankton community assembly and influencing factors between continental shelf and slope sites in the northern South China Sea. <i>Environmental Research</i> , 2023, 216, 114584.	7.5	3
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10781	Remedial trial of sequential anoxic/oxic chemico-biological treatment for decontamination of extreme hexachlorocyclohexane concentrations in polluted soil. <i>Journal of Hazardous Materials</i> , 2023, 443, 130199.	12.4	2
10782	Effects of hyperosmotic stress on the intestinal microbiota, transcriptome, and immune function of mandarin fish (<i>Siniperca chuatsi</i>). <i>Aquaculture</i> , 2023, 563, 738901.	3.5	6
10783	A novel endophytic bacterial strain improves potato storage characteristics by degrading glycoalkaloids and regulating microbiota. <i>Postharvest Biology and Technology</i> , 2023, 196, 112176.	6.0	1
10784	Is there a significant difference in microbiota between water and microplastic surfaces in winter? The possibility of spreading offshore into the ocean. <i>Science of the Total Environment</i> , 2023, 858, 159769.	8.0	2
10785	Horizontal transfer of intracellular and extracellular ARGs in sludge compost under sulfamethoxazole stress. <i>Chemical Engineering Journal</i> , 2023, 454, 139968.	12.7	14

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10787	Increased similarity of aquatic bacterial communities of different origin after antibiotic disturbance. <i>Environmental Pollution</i> , 2023, 316, 120568.	7.5	2
10788	Elevated CO2 aggravated polystyrene microplastics effects on the rice-soil system under field conditions. <i>Environmental Pollution</i> , 2023, 316, 120603.	7.5	8
10789	Linking nitrogen- and straw-sensitive indicator species and their co-occurrences to priming effect in agricultural soil exposed to long-term nitrogen fertilization. <i>Soil Biology and Biochemistry</i> , 2023, 176, 108881.	8.8	8
10790	Distribution and migration of antibiotic resistance genes, as well as their correlation with microbial communities in swine farm and its surrounding environments. <i>Environmental Pollution</i> , 2023, 316, 120618.	7.5	6
10791	Biochar reduces bioavailability of phosphorus during swine manure composting: Roles of phoD-harboring bacterial community. <i>Science of the Total Environment</i> , 2023, 858, 159926.	8.0	13
10792	Deciphering the effects of LDPE microplastic films on diversity, composition and co-occurrence network of soil fungal community. <i>Applied Soil Ecology</i> , 2023, 182, 104716.	4.3	7
10793	Intestinal microbiota perturbations in the gastropod <i>Trochus niloticus</i> concurrently exposed to ocean acidification and environmentally relevant concentrations of sulfamethoxazole. <i>Chemosphere</i> , 2023, 311, 137115.	8.2	1
10794	Rhizospheric compensation of nutrient cycling functions dominates crop productivity and nutrient use efficiency. <i>Applied Soil Ecology</i> , 2023, 182, 104722.	4.3	1
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10796	Enrofloxacin exposure induces anxiety-like behavioral responses in zebrafish by affecting the microbiota-gut-brain axis. <i>Science of the Total Environment</i> , 2023, 858, 160094.	8.0	15
10797	Long-acting mechanisms of concentrated urea application “ High urea concentrations are biological inhibitors. <i>Applied Soil Ecology</i> , 2023, 182, 104723.	4.3	2
10798	Organic fertilizer substitution over six years improves the productivity of garlic, bacterial diversity, and microbial communities network complexity. <i>Applied Soil Ecology</i> , 2023, 182, 104718.	4.3	10
10799	Amoxicillin impact on pathophysiology induced by short term high salt diet in mice. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
10800	Cysteamine Supplementation In Vitro Remarkably Promoted Rumen Fermentation Efficiency towards Propionate Production via Prevotella Enrichment and Enhancing Antioxidant Capacity. <i>Antioxidants</i> , 2022, 11, 2233.	5.1	5
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10802	Stochastic and deterministic processes shape bioenergy crop microbiomes along a vertical soil niche. <i>Environmental Microbiology</i> , 2023, 25, 352-366.	3.8	3
10803	Association of intestinal microbiota markers and dietary pattern in Chinese patients with type 2 diabetes: The Henan rural cohort study. <i>Frontiers in Public Health</i> , 0, 10, .	2.7	2

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10805	Assessment of the rhizosphere fungi and bacteria recruited by sugarcane during smut invasion. <i>Brazilian Journal of Microbiology</i> , 0, , .	2.0	6
10808	Effect of moisture content on the evolution of bacterial communities and organic matter degradation during bioaugmented biogas residues composting. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	3.6	6
10809	Chalcone-1-Deoxynojirimycin Heterozygote Reduced the Blood Glucose Concentration and Alleviated the Adverse Symptoms and Intestinal Flora Disorder of Diabetes Mellitus Rats. <i>Molecules</i> , 2022, 27, 7583.	3.8	2
10810	Diversity and Distribution Characteristics of Soil Microbes across Forest's Peatland Ecotones in the Permafrost Regions. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 14782.	2.6	3
10811	Effects of Dietary Tannic Acid on Growth, Digestion, Immunity and Resistance to Ammonia Stress, and Intestinal Microbial Community in Pacific White Shrimp (<i>Litopenaeus vannamei</i>). <i>Fishes</i> , 2022, 7, 327.	1.7	6
10812	Plant sex affects plant-microbiome assemblies of dioecious <i>Populus cathayana</i> trees under different soil nitrogen conditions. <i>Microbiome</i> , 2022, 10, .	11.1	16
10813	Effects of different grains on bacterial diversity and enzyme activity associated with digestion of starch in the foal stomach. <i>BMC Veterinary Research</i> , 2022, 18, .	1.9	2
10815	Source water microorganism assessment in three cities in China: A comparative study. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	2
10816	Shell Disease Syndrome Is Associated with Reduced and Shifted Epibacterial Diversity on the Carapace of the Crustacean <i>Cancer pagurus</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	2
10818	Response of rice growth to soil microorganisms and soil properties in different soil types. <i>Agronomy Journal</i> , 2023, 115, 197-207.	1.8	3
10819	Dietary supplementation with <i>Tolypocladium sinense</i> mycelium prevents dyslipidemia inflammation in high fat diet mice by modulation of gut microbiota in mice. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4
10820	Phyllosphere microbial community of cigar tobacco and its corresponding metabolites. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	8
10821	The Impact of <i>Vairimorpha</i> (<i>Nosema</i>) <i>ceranae</i> Natural Infection on Honey Bee (<i>Apis mellifera</i>) and Bee Bread Microbiota. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 11476.	2.5	2
10822	Variation of microplastics and biofilm community characteristics along the long-distance raw water pipeline. <i>Chemical Engineering Research and Design</i> , 2023, 169, 304-312.	5.6	3
10823	Effect of Mulberry Leaf Powder of Varying Levels on Growth Performance, Immuno-Antioxidant Status, Meat Quality and Intestinal Health in Finishing Pigs. <i>Antioxidants</i> , 2022, 11, 2243.	5.1	2
10824	Freshwater trophic status mediates microbial community assembly and interdomain network complexity. <i>Environmental Pollution</i> , 2023, 316, 120690.	7.5	6
10825	Dynamic changes of gut bacterial communities present in larvae of <i>Anoplophora glabripennies</i> collected at different developmental stages. <i>Archives of Insect Biochemistry and Physiology</i> , 2023, 112, .	1.5	2

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10827	Composition and diversity of root-inhabiting bacterial microbiota in the perennial sweet sorghum cultivar at the maturing stage. <i>Plant Growth Regulation</i> , 0, , .	3.4	0
10828	Dissemination of antibiotic resistance in antibiotic-free recirculating aquaculture systems. <i>Journal of Hazardous Materials Advances</i> , 2022, 8, 100201.	3.0	0
10829	Developmental stage variation in the gut microbiome of South China tigers. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
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10832	Linking Microbial Functional Gene Abundance and Daqu Extracellular Enzyme Activity: Implications for Carbon Metabolism during Fermentation. <i>Foods</i> , 2022, 11, 3623.	4.3	4
10833	Association of Gut Microbiota Composition in Pregnant Women Colonized with Group B <i>Streptococcus</i> with Maternal Blood Routine and Neonatal Blood-Gas Analysis. <i>Pathogens</i> , 2022, 11, 1297.	2.8	0
10834	Effect of marigold (<i>Tagetes erecta</i> L.) on soil microbial communities in continuously cropped tobacco fields. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
10835	Bladder cancer is associated with decreased urinary microbiota diversity and alterations in microbial community composition. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2023, 41, 107.e15-107.e22.	1.6	5
10836	Non-native Plant Species Invasion Increases the Importance of Deterministic Processes in Fungal Community Assembly in a Coastal Wetland. <i>Microbial Ecology</i> , 2023, 86, 1120-1131.	2.8	4
10837	Agr2-associated ER stress promotes adherent-invasive <i>E.Â‘coli</i> dysbiosis and triggers CD103+ dendritic cell IL-23-dependent ileocolitis. <i>Cell Reports</i> , 2022, 41, 111637.	6.4	3
10838	Cradle for the newborn <i>Monochamus saltuarius</i>: Microbial associates to ward off entomopathogens and disarm plant defense. <i>Insect Science</i> , 2023, 30, 1165-1182.	3.0	2
10839	NMN alleviates radiation-induced intestinal fibrosis by modulating gut microbiota. <i>International Journal of Radiation Biology</i> , 2023, 99, 823-834.	1.8	5
10840	Alteration of gut microbiota in migraine patients with irritable bowel syndrome in a Chinese Han population. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	0
10841	Optimum relative frequency and fluctuating substrate selection in reinforcing anammox-mediated anabolic adaptation. <i>Water Research</i> , 2023, 228, 119377.	11.3	6
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10845	Root and Rhizosphere Microbiome of Tomato Plants Grown in the Open Field in the South of West Siberia under Mineral Fertilization. <i>Horticulturae</i> , 2022, 8, 1051.	2.8	3
10846	Explore the interaction between root metabolism and rhizosphere microbiota during the growth of <i>Angelica sinensis</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	2
10847	Genetic mutation and tumor microbiota determine heterogenicity of tumor immune signature: Evidence from gastric and colorectal synchronous cancers. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	4
10848	Effects of livestock overgrazing on the relationships between plant and microbial diversity across the temperate steppes in northern China. <i>Land Degradation and Development</i> , 0, , .	3.9	1
10849	Comparison of intestinal flora between patients with chronic and advanced <i>Schistosoma japonicum</i> infection. <i>Parasites and Vectors</i> , 2022, 15, .	2.5	2
10850	In Situ Rumen Degradation Characteristics and Bacterial Colonization of Corn Silages Differing in Ferulic and p-Coumaric Acid Contents. <i>Microorganisms</i> , 2022, 10, 2269.	3.6	3
10851	Correlation between microbial communities and key odourants in fermented capsicum inoculated with <i>Pediococcus pentosaceus</i> and <i>Cyberlindnera rhodanensis</i> . <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 1139-1151.	3.5	3
10852	Microbial gut diversity in four grasshopper species and its correlation with cellulose digestibility. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
10853	Variation in Community Structure of the Root-Associated Fungi of <i>Cinnamomum camphora</i> Forest. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 1210.	3.5	2
10854	Significant Shifts in Microbial Communities Associated with Scleractinian Corals in Response to Algae Overgrowth. <i>Microorganisms</i> , 2022, 10, 2196.	3.6	3
10855	Maize-soybean intercropping facilitates chemical and microbial transformations of phosphorus fractions in a calcareous soil. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
10856	Starch-protein interaction effects on lipid metabolism and gut microbes in host. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	9
10857	Responses of soil microbial diversity, network complexity and multifunctionality to three land-use changes. <i>Science of the Total Environment</i> , 2023, 859, 160255.	8.0	21
10858	Effects of vegetation type differences induced by human disturbance on the nutrition strategy and gut microbiota of Siberian roe deer. <i>Molecular Ecology</i> , 2023, 32, 2534-2550.	3.9	2
10859	Shunaoxin dropping pill improves cognitive functions of rats with chronic cerebral hypoperfusion via the microbiota-gut-brain axis. <i>Brain Research</i> , 2023, 1798, 148158.	2.2	0
10860	<i>Clostridium butyricum</i> potentially improves inflammation and immunity through alteration of the microbiota and metabolism of gastric cancer patients after gastrectomy. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	14
10861	Different performances in polyethylene or polystyrene plastics long-term feeding and biodegradation by <i>Zophobas atratus</i> and <i>Tenebrio molitor</i> larvae, and core gut bacterial- and fungal-microbiome responses. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108957.	6.7	6

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10863	Translucent disease outbreak in <i>Penaeus vannamei</i> post-larva accompanies the imbalance of pond water and shrimp gut microbiota homeostasis. <i>Aquaculture Reports</i> , 2022, 27, 101410.	1.7	1
10864	Relationships between rumen microbes, short-chain fatty acids, and markers of white adipose tissue browning during the cold season in grazing Mongolian sheep (<i>Ovis aries</i>). <i>Journal of Thermal Biology</i> , 2022, 110, 103386.	2.5	3
10865	Linkages between bacterial community and extracellular enzyme activities crossing a coastal front. <i>Ecological Indicators</i> , 2022, 145, 109639.	6.3	2
10866	Microbiological inoculation with and without biochar reduces the bioavailability of heavy metals by microbial correlation in pig manure composting. <i>Ecotoxicology and Environmental Safety</i> , 2022, 248, 114294.	6.0	8
10867	Citrus Huanglongbing correlated with incidence of <i>Diaphorina citri</i> carrying <i>Candidatus Liberibacter asiaticus</i> and citrus phyllosphere microbiome. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	1
10868	Effects of Invasive Plant Diversity on Soil Microbial Communities. <i>Diversity</i> , 2022, 14, 992.	1.7	2
10869	Soil properties under different ecological restoration modes for the quarry in Yanshan mountains of Hebei province, China. <i>PeerJ</i> , 0, 10, e14359.	2.0	0
10870	Variations in leaf phyllosphere microbial communities and development of tobacco brown spot before and after fungicide application. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
10871	Mycorrhizal diversity and community composition in co-occurring <i>Cypripedium</i> species. <i>Mycorrhiza</i> , 0, .	2.8	0
10872	Anti-aging effects of polysaccharides from ginseng extract residues in <i>Caenorhabditis elegans</i> . <i>International Journal of Biological Macromolecules</i> , 2023, 225, 1072-1084.	7.5	10
10873	Establishment and Validation of a New Analysis Strategy for the Study of Plant Endophytic Microorganisms. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14223.	4.1	1
10874	A less complex but more specialized microbial network resulted in faster fine-root decomposition in young stands of <i>Robinia pseudoacacia</i> . <i>Applied Soil Ecology</i> , 2023, 182, 104735.	4.3	5
10875	Characterization of AMF-diversity of endosphere versus rhizosphere of tea (<i>Camellia sinensis</i>) crops. , 2019, 89, .		3
10876	Combined phosphate-solubilizing microorganisms jointly promote <i>Pinus massoniana</i> growth by modulating rhizosphere environment and key biological pathways in seedlings. <i>Industrial Crops and Products</i> , 2023, 191, 116005.	5.2	9
10877	Functional biological anode as electron acceptor for direct oxidation of ammonia nitrogen to N ₂ in an anaerobic single-chamber reactor. <i>Journal of Cleaner Production</i> , 2023, 382, 135413.	9.3	8
10878	<i>Akkermansia muciniphila</i> ameliorates chronic kidney disease interstitial fibrosis via the gut-renal axis. <i>Microbial Pathogenesis</i> , 2023, 174, 105891.	2.9	6
10879	Silicon modification improves biochar's ability to mitigate cadmium toxicity in tomato by enhancing root colonization of plant-beneficial bacteria. <i>Ecotoxicology and Environmental Safety</i> , 2023, 249, 114407.	6.0	29

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10880	Deciphering soil amendments and actinomycetes for remediation of cadmium (Cd) contaminated farmland. <i>Ecotoxicology and Environmental Safety</i> , 2023, 249, 114388.	6.0	7
10881	Host's P851± genotype restructures the gut microbiota and regulates fat metabolism in gibel carp. <i>Aquaculture</i> , 2023, 565, 739160.	3.5	0
10882	Deciphering the antibiotic resistome and microbial community in municipal wastewater treatment plants at different elevations in eastern and western China. <i>Water Research</i> , 2023, 229, 119461.	11.3	13
10883	Soil organic carbon regulates CH ₄ production through methanogenic evenness and available phosphorus under different straw managements. <i>Journal of Environmental Management</i> , 2023, 328, 116990.	7.8	5
10884	Litter chemistry of common European tree species drives the feeding preference and consumption rate of soil invertebrates, and shapes the diversity and structure of gut and faecal microbiomes. <i>Soil Biology and Biochemistry</i> , 2023, 177, 108918.	8.8	8
10885	Effect of Massa Medicata Fermentata on the intestinal flora of rats with functional dyspepsia. <i>Microbial Pathogenesis</i> , 2023, 174, 105927.	2.9	3
10886	Long-term microbial community structures and dynamics in a commercial RAS during seven production batches of Atlantic salmon fry (<i>Salmo salar</i>). <i>Aquaculture</i> , 2023, 565, 739155.	3.5	2
10887	Quercetin inclusion complex gels ameliorate radiation-induced brain injury by regulating gut microbiota. <i>Biomedicine and Pharmacotherapy</i> , 2023, 158, 114142.	5.6	9
10888	Tilapia processing byproduct treated with enzymatic hydrolysis and <i>Rhodopseudomonas palustris</i> is feasible for live feed culturing: Pathogen inhibition in vitro, live feeds microbiota, and <i>Bidyanus bidyanus</i> larviculture. <i>Aquaculture Reports</i> , 2023, 28, 101439.	1.7	0
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10890	Co-treatment of landfill leachate with urban wastewater by chemical, physical and biological processes: Fenton oxidation preserves autochthonous bacterial community in the activated sludge process. <i>Chemosphere</i> , 2023, 313, 137578.	8.2	10
10891	Enrichment of organic carbon increases the flux of phosphorus from sediment in mariculture ponds. <i>Aquaculture</i> , 2023, 565, 739148.	3.5	2
10892	Community adaptation to temperature explains abrupt soil bacterial community shift along a geothermal gradient on Iceland. <i>Soil Biology and Biochemistry</i> , 2023, 177, 108914.	8.8	2
10893	The protective effect of 2â€™-Fucosyllactose on LPS-induced colitis suckling mice by ameliorating intestinal inflammation and modulating gut microbiota. <i>Food Bioscience</i> , 2023, 51, 102317.	4.4	2
10894	A newly developed consortium with a highly efficient thiocyanate degradation capacity: A comprehensive investigation of the degradation and detoxification potential. <i>Environmental Pollution</i> , 2023, 318, 120878.	7.5	1
10895	Iron-containing carriers stimulate nitrogen conversions in one-stage reactors treating N-rich digester supernatant. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109115.	6.7	3
10896	An evaluation of different detection methods for anaerobic ammonium-oxidizing (anammox) bacteria inhabiting the oil reservoir systems. <i>International Biodeterioration and Biodegradation</i> , 2023, 177, 105536.	3.9	1
10897	Response of activated sludge to antibiotics stress: Neglected legacy effects. <i>Journal of Water Process Engineering</i> , 2023, 51, 103432.	5.6	6

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10898	Branched glycerol dialkyl glycerol tetraether (brGDGT) distributions influenced by bacterial community composition in various vegetation soils on the Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2023, 611, 111358.	2.3	1
10899	Transient nitrite accumulation explains the variation of N ₂ O emissions to N fertilization in upland agricultural soils. <i>Soil Biology and Biochemistry</i> , 2023, 177, 108917.	8.8	11
10900	Tree species composition alters the decomposition of mixed litter and the associated microbial community composition and function in subtropical plantations in China. <i>Forest Ecology and Management</i> , 2023, 529, 120743.	3.2	2
10901	Soil sample sizes for DNA extraction substantially affect the examination of microbial diversity and co-occurrence patterns but not abundance. <i>Soil Biology and Biochemistry</i> , 2023, 177, 108902.	8.8	11
10902	Benthic bacterial communities and bacteriaâ€™environment interactions after <i>Kandelia obovata</i> introduction and <i>Spartina alterniflora</i> invasion in Yueqing Bay, China. <i>Regional Studies in Marine Science</i> , 2023, 58, 102787.	0.7	1
10903	The biodeterioration outbreak in Dunhuang Mogao Grottoes analyzed for the microbial communities and the occurrence time by C-14 dating. <i>International Biodeterioration and Biodegradation</i> , 2023, 178, 105533.	3.9	6
10904	Alteration of oral microbiome composition in children living with pesticide-exposed farm workers. <i>International Journal of Hygiene and Environmental Health</i> , 2023, 248, 114090.	4.3	0
10905	Predatory protists play predominant roles in suppressing soil-borne fungal pathogens under organic fertilization regimes. <i>Science of the Total Environment</i> , 2023, 863, 160986.	8.0	12
10906	Abundant culturable diazotrophs within Actinomycetia rather than rare taxa are underlying inoculants for nitrogen promotion in desert soil. <i>Applied Soil Ecology</i> , 2023, 184, 104774.	4.3	2
10907	Cascading effects of Pb on the environmental and symbiotic microbiota and tadpoles' physiology based on field data and laboratory validation. <i>Science of the Total Environment</i> , 2023, 862, 160817.	8.0	6
10908	Habitat matters: The role of spore bank fungi in early seedling establishment of Florida slash pines. <i>Fungal Ecology</i> , 2023, 62, 101210.	1.6	0
10909	Linking wood-decay fungal communities to decay rates: Using a long-term experimental manipulation of deadwood and canopy gaps. <i>Fungal Ecology</i> , 2023, 62, 101220.	1.6	3
10910	Aboveground organic matter removal reshapes soil microbial functional group balance in temperate forests. <i>Applied Soil Ecology</i> , 2023, 184, 104776.	4.3	4
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10915	Seasonal patterns of rhizosphere microorganisms suggest carbohydrate-degrading and nitrogen-fixing microbes contribute to the attribute of full-year shooting in woody bamboo <i>Cephalostachyum pingbianense</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4

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10917	Chitin amendments eliminate the negative impacts of continuous cropping obstacles on soil properties and microbial assemblage. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	6
10919	Airway microecology in rifampicin-resistant and rifampicin-sensitive pulmonary tuberculosis patients. <i>BMC Microbiology</i> , 2022, 22, .	3.3	1
10920	Functional shifts in soil fungal communities regulate differential tree species establishment during subalpine forest succession. <i>Science of the Total Environment</i> , 2023, 861, 160616.	8.0	2
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10925	The effect of tuina on ulcerative colitis model mice analyzed by gut microbiota and proteomics. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	2
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10927	<i>Saussurea involucrata</i> oral liquid regulates gut microbiota and serum metabolism during alleviation of collagen-induced arthritis in rats. <i>Phytotherapy Research</i> , 2023, 37, 1242-1259.	5.8	5
10928	Impact of Daily Consumption of Whole-Grain Quinoa-Enriched Bread on Gut Microbiome in Males. <i>Nutrients</i> , 2022, 14, 4888.	4.1	2
10929	Succinate aggravates intestinal injury in mice with necrotizing enterocolitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	2
10930	Response of Soil Bacteria of <i>Dicranopteris dichotoma</i> Populations to Vegetation Restoration in Red Soil Region of China. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	3.4	1
10931	Small immune effectors coordinate peptidoglycan-derived immunity to regulate intestinal bacteria in shrimp. <i>PLoS Pathogens</i> , 2022, 18, e1010967.	4.7	8
10932	Potential for Polyethylene Terephthalate (PET) Degradation Revealed by Metabarcoding and Bacterial Isolates from Soil Around a Bitumen Source in Southwestern Iran. <i>Journal of Polymers and the Environment</i> , 2023, 31, 1279-1291.	5.0	5
10933	Microbial Communities in the Lungs of Bats in China. <i>Zoonoses</i> , 2022, 2, .	1.1	0
10934	Screening for lipophilic marine toxins and their potential producers in coastal waters of Weihai in autumn, 2020. <i>Journal of Oceanology and Limnology</i> , 2022, 40, 2218-2230.	1.3	2

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10936	Short- and Long-Term Effects of Different Antibiotics on the Gut Microbiota and Cytokines Level in Mice. <i>Infection and Drug Resistance</i> , 0, Volume 15, 6785-6797.	2.7	5
10937	Polysaccharides from <i>Pseudostellaria heterophylla</i> modulate gut microbiota and alleviate syndrome of spleen deficiency in rats. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
10938	The effects of elemene emulsion injection on rat fecal microbiota and metabolites: Evidence from metagenomic exploration and liquid chromatography-mass spectrometry. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	0
10939	Intercropping with <i>Achyranthes bidentata</i> alleviates <i>Rehmannia glutinosa</i> consecutive monoculture problem by reestablishing rhizosphere microenvironment. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	2
10940	Microbiota Community Structure and Interaction Networks within <i>Dermacentor silvarum</i> , <i>Ixodes persulcatus</i> , and <i>Haemaphysalis concinna</i> . <i>Animals</i> , 2022, 12, 3237.	2.3	0
10941	AMF colonization affects allelopathic effects of <i>Zea mays</i> L. root exudates and community structure of rhizosphere bacteria. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	6
10942	Biodiversity of freshwater ciliates (Protista, Ciliophora) in the Lake Weishan Wetland, China: the state of the art. <i>Marine Life Science and Technology</i> , 2022, 4, 429-451.	4.6	31
10944	Early season soil microbiome best predicts wheat grain quality. <i>FEMS Microbiology Ecology</i> , 2022, 99, .	2.7	2
10946	Dietary Supplementation of Fruit from <i>Nitraria tangutorum</i> Improved Immunity and Abundance of Beneficial Ruminal Bacteria in Hu Sheep. <i>Animals</i> , 2022, 12, 3211.	2.3	3
10947	Natural Cross-Kingdom Spread of Apple Scar Skin Viroid from Apple Trees to Fungi. <i>Cells</i> , 2022, 11, 3686.	4.1	9
10948	Changes in soil fungal community composition and functional groups during the succession of Alpine grassland. <i>Plant and Soil</i> , 2023, 484, 201-216.	3.7	5
10949	Effects of Dietary Quinoa Seeds on Cecal Microorganisms and Muscle Fatty Acids of Female Luhua Chickens. <i>Animals</i> , 2022, 12, 3334.	2.3	1
10950	River damming enhances ecological functional stability of planktonic microorganisms. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	2
10951	Seed endophytic ammonia oxidizing bacteria in <i>Elymus nutans</i> transmit to offspring plants and contribute to nitrification in the root zone. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
10952	Remodeling of the microbiota improves the environmental adaptability and disease resistance in Tibetan pigs. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	0
10954	Biochar improved the composting quality of seaweeds and cow manure mixture and altered the microbial community. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
10955	Effects of Dietary Oregano Essential Oil on Cecal Microorganisms and Muscle Fatty Acids of Luhua Chickens. <i>Animals</i> , 2022, 12, 3215.	2.3	4

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10957	Dysbiosis of Gut Microbiota Contributes to Uremic Cardiomyopathy via Induction of IFN γ -Producing CD4 ⁺ T Cells Expansion. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	2
10958	Diversity and composition of the microbiome associated with eggs of the Southern green stinkbug, <i>Nezara viridula</i> (Hemiptera: Pentatomidae). <i>MicrobiologyOpen</i> , 2022, 11, .	3.0	4
10961	Spatiotemporal dynamics of the microbial diversity on salt-preserved goatskins assessed by culturing and 16S rRNA gene amplicon sequencing. <i>Journal of Leather Science and Engineering</i> , 2022, 4, .	6.0	5
10962	A fungal pathogen is unlikely to be the cause of abnormal vertical growth syndrome in macadamia. <i>Plant Pathology</i> , 2023, 72, 731-741.	2.4	1
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10964	Microbial biomarkers as indication of dynamic and heterogeneous urban water environments. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	1
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10966	Characteristics of rhizosphere and endogenous bacterial community of Ulleung-sanmaneul, an endemic plant in Korea: application for alleviating salt stress. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
10967	The Bioavailability of Glycyrrhizinic Acid Was Enhanced by Probiotic <i>Lactobacillus rhamnosus</i> R0011 Supplementation in Liver Fibrosis Rats. <i>Nutrients</i> , 2022, 14, 5278.	4.1	4
10968	Effects of Dietary L-TRP on Immunity, Antioxidant Capacity and Intestinal Microbiota of the Chinese Mitten Crab (<i>Eriocheir Sinensis</i>) in Pond Culture. <i>Metabolites</i> , 2023, 13, 1.	2.9	3
10969	Space Rather than Seasonal Changes Explained More of the Spatiotemporal Variation of Tropical Soil Microbial Communities. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	0
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10971	Characteristics of intestinal microbiota in C57BL/6 mice with non-alcoholic fatty liver induced by high-fat diet. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
10972	Microsporidians (Microsporidia) parasitic on mosquitoes (Culicidae) in central Europe are often multi-host species. <i>Journal of Invertebrate Pathology</i> , 2023, 197, 107873.	3.2	1
10973	Does plastic type matter? Insights into non-indigenous marine larvae recruitment under controlled conditions. <i>PeerJ</i> , 0, 10, e14549.	2.0	0
10974	The effects of a set amount of regular maternal exercise during pregnancy on gut microbiota are diet-dependent in mice and do not cause significant diversity changes. <i>PeerJ</i> , 0, 10, e14459.	2.0	2
10975	Gut and lung microbiome profiles in pregnant mice. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	0

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10977	Nodule-associated diazotrophic community succession is driven by developmental phases combined with microhabitat of <i>Sophora davidii</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
10978	Gut microbial diversity among Yorkshire, Landrace and Duroc boars and its impact on semen quality. <i>AMB Express</i> , 2022, 12, .	3.0	1
10979	İşğMorphology, phylogeny, mitogenomics and metagenomics reveal a new entomopathogenic fungus <i>Ophiocordyceps nujiangensis</i> (Hypocreales, Ophiocordycipitaceae) from Southwestern China. <i>MycoKeys</i> , 0, 94, 91-108.	1.9	1
10980	Airborne particles, bacterial and fungal communities insights of two museum exhibition halls with diverse air quality characteristics. <i>Aerobiologia</i> , 2023, 39, 69-86.	1.7	2
10981	Gut bacteria reflect the adaptation of <i>Diastrammena japonica</i> (Orthoptera: Rhaphidophoridae) to the cave. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	0
10982	Effects of Dietary Nonfibrous Carbohydrate/Neutral Detergent Fiber Ratio on Methanogenic Archaea and Cellulose-Degrading Bacteria in the Rumen of Karakul Sheep: a 16S rRNA Gene Sequencing Study. <i>Applied and Environmental Microbiology</i> , 2023, 89, .	3.1	1
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10984	Calorie restriction remodels gut microbiota and suppresses tumorigenesis of colorectal cancer in mice. <i>Experimental and Therapeutic Medicine</i> , 2022, 25, .	1.8	2
10985	Microbial community diversity and function analysis of <i>Aconitum carmichaelii</i> Debeaux in rhizosphere soil of farmlands in Southwest China. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
10986	Promotion of Deoxycholic Acid Effect on Colonic Cancer Cell Lines In Vitro by Altering the Mucosal Microbiota. <i>Microorganisms</i> , 2022, 10, 2486.	3.6	3
10987	Photovoltaic panels have altered grassland plant biodiversity and soil microbial diversity. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	7
10988	Comparison between <i>Lactobacillus rhamnosus</i> GG and LuxS-deficient strain in regulating gut barrier function and inflammation in early-weaned piglets. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	3
10989	Protein fractionation and shotgun proteomics analysis of enriched bacterial cultures shed new light on the enzymatically catalyzed degradation of acesulfame. <i>Water Research</i> , 2023, 230, 119535.	11.3	4
10990	The Golden Goal of Soil Management: Disease-Suppressive Soils. <i>Phytopathology</i> , 2023, 113, 741-752.	2.2	6
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10992	Diversity and antibacterial potential of the Actinobacteria associated with <i>Apis mellifera ligustica</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	2
10994	Metagenomic Analysis of Liquor Starter Culture Revealed Beneficial Microbesâ€™ Presence. <i>Foods</i> , 2023, 12, 25.	4.3	0

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10996	<i>Lactobacillus</i> spp. in the reproductive system of female moths and mating induced changes and possible transmission. <i>BMC Microbiology</i> , 2022, 22, .	3.3	1
10997	Dietary glycine supplementation prevents heat stress-induced impairment of antioxidant status and intestinal barrier function in broilers. <i>Poultry Science</i> , 2023, 102, 102408.	3.4	11
10998	Live yeast supplementation altered the bacterial community's composition and function in rumen and hindgut and alleviated the detrimental effects of heat stress on dairy cows. <i>Journal of Animal Science</i> , 0, , .	0.5	1
10999	Insights into Bacterial Communities and Diversity of Mangrove Forest Soils along the Upper Gulf of Thailand in Response to Environmental Factors. <i>Biology</i> , 2022, 11, 1787.	2.8	5
11000	The Quality and Bacterial Community Changes in Freshwater Crawfish Stored at 4 °C in Vacuum Packaging. <i>Molecules</i> , 2022, 27, 8618.	3.8	6
11002	Decades of weathering improves coal waste biogeochemical properties by altering dissolved organic matter and microbial communities: A case study of a coal waste pile. <i>Land Degradation and Development</i> , 2023, 34, 1708-1724.	3.9	2
11003	Effects of rearing system and antibiotic treatment on immune function, gut microbiota and metabolites of broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, .	5.3	4
11004	Sustained Inhibition of Maize Seed-Borne <i>Fusarium</i> Using a <i>Bacillus</i> -Dominated Rhizospheric Stable Core Microbiota with Unique Cooperative Patterns. <i>Advanced Science</i> , 2023, 10, .	11.2	10
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11007	Gut microbiota as an antioxidant system in centenarians associated with high antioxidant activities of gut-resident <i>Lactobacillus</i> . <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	6.4	13
11008	Ciliate Morpho-Taxonomy and Practical Considerations before Deploying Metabarcoding to Ciliate Community Diversity Surveys in Urban Receiving Waters. <i>Microorganisms</i> , 2022, 10, 2512.	3.6	2
11009	Intratumor microbiome features reveal antitumor potentials of intrahepatic cholangiocarcinoma. <i>Gut Microbes</i> , 2023, 15, .	9.8	19
11010	High-throughput sequencing reveals omnivorous and preferential diets of the rotifer <i>Polyarthra</i> in situ. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
11011	Changes of bacterial and fungal communities and relationship between keystone taxon and physicochemical factors during dairy manure ectopic fermentation. <i>PLoS ONE</i> , 2022, 17, e0276920.	2.5	0
11012	Evaluating the Effect on Cultivation of Replacing Soil with Typical Soilless Growing Media: A Microbial Perspective. <i>Agronomy</i> , 2023, 13, 6.	3.0	0
11013	Soil properties and root traits are important factors driving rhizosphere soil bacterial and fungal community variations in alpine <i>Rhododendron nitidulum</i> shrub ecosystems along an altitudinal gradient. <i>Science of the Total Environment</i> , 2023, 864, 161048.	8.0	11

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11015	Soil mediated local adaptation at the early-life stages of <i>Stipa breviflora</i> is context dependent. <i>Plant and Soil</i> , 0, , .	3.7	0
11016	<i>Phyllanthus emblica</i> (Amla) Fruit Powder as a Supplement to Improve Preweaning Dairy Calves' Health: Effect on Antioxidant Capacity, Immune Response, and Gut Bacterial Diversity. <i>Biology</i> , 2022, 11, 1753.	2.8	3
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11018	Wheat genome architecture influences interactions with phytobeneficial microbial functional groups in the rhizosphere. <i>Plant, Cell and Environment</i> , 2023, 46, 1018-1032.	5.7	2
11019	Composition and assembly of the bacterial community in the overlying waters of the coral reef of China's Xisha Islands. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	1
11020	Assessment of Fish Diversity in the Ma'an Archipelago Special Protected Area Using Environmental DNA. <i>Biology</i> , 2022, 11, 1832.	2.8	0
11021	Pectin supplement alleviates gut injury potentially through improving gut microbiota community in piglets. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	7
11022	Distinct patterns of soil bacterial and fungal community assemblages in subtropical forest ecosystems under warming. <i>Global Change Biology</i> , 2023, 29, 1501-1513.	9.5	12
11023	Bacterial Community Structure and Function Shift in Rhizosphere Soil of Tobacco Plants Infected by <i>Meloidogyne incognita</i> . <i>Plant Pathology Journal</i> , 2022, 38, 583-592.	1.7	1
11024	<i>Bacteroides plebeius</i> improves muscle wasting in chronic kidney disease by modulating the gut-renal muscle axis. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 6066-6078.	3.6	6
11025	Impacts of maize hybrids with different nitrogen use efficiency on root-associated microbiota based on distinct rhizosphere soil metabolites. <i>Environmental Microbiology</i> , 2023, 25, 473-492.	3.8	1
11026	Comparison of coated and uncoated trace elements on growth performance, apparent digestibility, intestinal development and microbial diversity in growing sheep. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4
11027	Distinctive microbiota of delayed healing of oral mucositis after radiotherapy of nasopharyngeal carcinoma. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	4
11028	The role of upper and lower genital tract microbiota alterations in term chorionamnionitis: A prospective study. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
11029	More microbial manipulation and plant defense than soil fertility for biochar in food production: A field experiment of replanted ginseng with different biochars. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	2
11030	Home-field advantage meets priming effect in root decomposition: Implications for belowground carbon dynamics. <i>Functional Ecology</i> , 2023, 37, 676-689.	3.6	7
11031	Probiotic <i>Bifidobacterium longum</i> BB68S Improves Cognitive Functions in Healthy Older Adults: A Randomized, Double-Blind, Placebo-Controlled Trial. <i>Nutrients</i> , 2023, 15, 51.	4.1	9

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11033	Diversity of bacterial communities in the plasmodia of myxomycetes. BMC Microbiology, 2022, 22, .	3.3	1
11034	Benthic Microbial Communities and Environmental Parameters of Estuary and Hypoxic Zone in the Bohai Sea, China. Journal of Marine Science and Engineering, 2022, 10, 1862.	2.6	2
11035	Whether interstitial space features were the main factors affecting sediment microbial community structures in Chaohu Lake. Frontiers in Microbiology, 0, 13, .	3.5	2
11036	The protective effect of Buzhong Yiqi decoction on ischemic stroke mice and the mechanism of gut microbiota. Frontiers in Neuroscience, 0, 16, .	2.8	2
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11043	Soil diazotrophic abundance, diversity, and community assembly mechanisms significantly differ between glacier riparian wetlands and their adjacent alpine meadows. Frontiers in Microbiology, 0, 13, .	3.5	4
11044	Dynamics of symbiotic bacterial community in whole life stage of Harmonia axyridis (Coleoptera:) Tj ETQq1 1 0.784314 rgBT 4/Overlook	3.5	4
11045	Characterization and diagnostic value of the gut microbial composition in patients with minimal change disease. Frontiers in Physiology, 0, 13, .	2.8	0
11046	Reshaping of soil carbon and nitrogen contents in quincenary ancient rice terraces: The role of both short-term abandonment and prokaryotic functional groups. Frontiers in Microbiology, 0, 13, .	3.5	0
11047	Landscape of intestinal microbiota in patients with IgA nephropathy, IgA vasculitis and Kawasaki disease. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	6
11048	<scp>Peptidoglycan recognition protein SC (PGRPâ€šC)</scp> shapes gut microbiota richness, diversity and composition by modulating immunity in the house fly <i>Musca domestica</i>. Insect Molecular Biology, 2023, 32, 200-212.	2.0	4
11049	Effects of Dietary Protein Restriction on Colonic Microbiota of Finishing Pigs. Animals, 2023, 13, 9.	2.3	2
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11052	Post-monsoon seasonal variation of prokaryotic diversity in solfataric soil from the North Sikkim hot spring. <i>International Microbiology</i> , 0, , .	2.4	0
11053	Effect of Biochar on Soil Physiochemical Properties and Bacterial Diversity in Dry Direct-Seeded Rice Paddy Fields. <i>Agronomy</i> , 2023, 13, 4.	3.0	9
11054	Dietary Association with Midgut Microbiota Components of <i>Eocanthecona furcellata</i> (Wolff). <i>Diversity</i> , 2022, 14, 1130.	1.7	0
11055	High resolution 16S rRNA gene Next Generation Sequencing study of brain areas associated with Alzheimerâ€™s and Parkinsonâ€™s disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	3.4	4
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11058	30-Month Pot Experiment: Biochar Alters Soil Potassium Forms, Soil Properties and Soil Fungal Diversity and Composition in Acidic Soil of Southern China. <i>Plants</i> , 2022, 11, 3442.	3.5	1
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11071	Dietary baicalein improves growth performance, antioxidant activity, and intestinal flora of koi carp (<i>Cyprinus carpio</i>). Aquaculture Reports, 2022, 27, 101421.	1.7	3
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11204	Improvements in gut microbiota dysbiosis in aged mice transplanted with adipose-derived stem cells. <i>Stem Cells and Development</i> , 0, , .	2.1	0
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11206	Grass-microbial inter-domain ecological networks associated with alpine grassland productivity. <i>Frontiers in Microbiology</i> , 0, 14, .	3.5	5
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11810	<i>Paeonia lactiflora</i> Pall. Polysaccharide alleviates depression in CUMS mice by inhibiting the NLRP3/ASC/Caspase-1 signaling pathway and affecting the composition of their intestinal flora. <i>Journal of Ethnopharmacology</i> , 2023, 316, 116716.	4.1	4
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11816	Exploring the characteristics of gut microbiome in patients of Southern Fujian with hypocitraturia urolithiasis and constructing clinical diagnostic models. <i>International Urology and Nephrology</i> , 2023, 55, 1917-1929.	1.4	1

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11821	Peanut-based Rotation Stabilized Diazotrophic Communities and Increased Subsequent Wheat Yield. <i>Microbial Ecology</i> , 2023, 86, 2447-2460.	2.8	1
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11823	Keystone Soil Microbial Modules Associated with Priming Effect under Nitrogen- and Glucose-Addition Treatments. <i>Forests</i> , 2023, 14, 1207.	2.1	1
11824	Assessment of <i>Auricularia cornea</i> var. <i>Li</i> . polysaccharides potential to improve hepatic, antioxidation and intestinal microecology in rats with non-alcoholic fatty liver disease. <i>Frontiers in Nutrition</i> , 0, 10, .	3.7	3
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12097	Effect of Supplementary Feeding on Milk Volume, Milk Composition, Blood Biochemical Index, and Fecal Microflora Diversity in Grazing Yili Mares. <i>Animals</i> , 2023, 13, 2415.	2.3	0
12098	From <i>Sphagnum</i> to shrub: Increased acidity reduces peat bacterial diversity and keystone microbial taxa imply peatland degradation. <i>Land Degradation and Development</i> , 0, , .	3.9	0
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12107	Analysis and comparison of fungal communities in wheat Qus and Linâ€fan yeast starters used as traditional starter cultures of Shaoxing Huangjiu. <i>International Journal of Food Science and Technology</i> , 0, , .	2.7	0
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12111	Washed microbiota transplantation improves haemoglobin levels in anaemia of chronic disease. <i>European Journal of Clinical Investigation</i> , 2023, 53, .	3.4	1
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12134	Intercropping increases soil macroaggregate carbon through root traits induced microbial necromass accumulation. <i>Soil Biology and Biochemistry</i> , 2023, 185, 109146.	8.8	3
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12139	Afforested and abandoned land ecosystems exhibit distinct soil microbial biomass stoichiometric homeostasis over chronosequence. <i>Land Degradation and Development</i> , 0, , .	3.9	0
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12157	The efficiency of UV light-emitting diodes (UV-LED) in decontaminating <i>Campylobacter</i> and <i>Salmonella</i> and natural microbiota in chicken breast, compared to a UV pilot-plant scale device. <i>Food Microbiology</i> , 2023, 116, 104365.	4.2	1
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12287	Diversity and Network Relationship Construction of Soil Fungal Communities in <i>Lactarius hatsudake</i> Tanaka Orchard during Harvest. <i>Microorganisms</i> , 2023, 11, 2279.	3.6	0
12288	Persistent Dysbiosis, Parasite Rise and Growth Impairment in Aquacultured European Seabass after Oxytetracycline Treatment. <i>Microorganisms</i> , 2023, 11, 2302.	3.6	0
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12290	Interdomain plant-microbe and fungi-bacteria ecological networks under different woodland use intensity during the dry and wet season. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	2.2	0
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12298	Multi-Omics Analysis Reveals the Gut Microbiota Characteristics of Diarrheal Piglets Treated with Gentamicin. <i>Antibiotics</i> , 2023, 12, 1349.	3.7	0
12299	Effects of allyl isothiocyanate fumigation on medicinal plant root knot disease control, plant survival, and the soil bacterial community. <i>BMC Microbiology</i> , 2023, 23, .	3.3	0
12300	Watershed land-use heterogeneity affecting spatial patterns of fish community structure in Han River basin, China. <i>Journal of Cleaner Production</i> , 2023, 423, 138884.	9.3	0
12301	Effect of vaginal microbiota on pregnancy outcomes of women from Northern China who conceived after IVF. <i>Frontiers in Endocrinology</i> , 0, 14, .	3.5	1
12302	Insight into the enhancement effect of humic acid on microbial degradation of triclosan in anaerobic sediments. <i>Journal of Hazardous Materials</i> , 2024, 461, 132549.	12.4	4
12303	Microbiota and its antibiotic resistance profile in avocado Guatemalan fruits (<i>Persea nubigena</i> var.) Tj ETQq1 1 0.784314 rgBT /Overlock 14, .	3.5	1

#	ARTICLE	IF	CITATIONS
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12312	Untapped rich microbiota of mangroves of Pakistan: diversity and community compositions. <i>Folia Microbiologica</i> , 0, , .	2.3	0
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12322	Impact of conservation tillage on wheat performance and its microbiome. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	3
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12326	Effects of Long-Term Straw Returning and Nitrogen Fertilizer Reduction on Soil Microbial Diversity in Black Soil in Northeast China. <i>Agronomy</i> , 2023, 13, 2036.	3.0	0
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12332	Compositional Shifts and Assembly in Rhizosphere-Associated Fungal Microbiota Throughout the Life Cycle of Japonica Rice Under Increased Nitrogen Fertilization. <i>Rice</i> , 2023, 16, .	4.0	1
12333	Kombucha tea as an anti-hyperglycemic agent in humans with diabetes â€“ a randomized controlled pilot investigation. <i>Frontiers in Nutrition</i> , 0, 10, .	3.7	6
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12336	The relationship between root endophytic microbial of plant species and soil properties in different patches of alpine meadow. <i>Revista Brasileira De Botanica</i> , 2023, 46, 681-693.	1.3	0
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12339	Linking niche size and phylogenetic signals to predict future soil microbial relative abundances. <i>Frontiers in Microbiology</i> , 0, 14, .	3.5	1
12340	Soil microbial community compositions and metabolite profiles of <i>Achnatherum inebrians</i> affect phytoremediation potential in Cd contaminated soil. <i>Journal of Hazardous Materials</i> , 2023, 459, 132280.	12.4	0
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12343	Demonstrating the application of batch anaerobic digestion recirculating slurry inoculation of food waste engineering from a microbiological perspective. <i>Renewable Energy</i> , 2023, 217, 119216.	8.9	0
12345	Comparative analysis of the fecal microbiota of healthy and injured common kestrel (<i>Falco</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	0

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12364	A comparison of digestive strategies for fishes with different feeding habits: Digestive enzyme activities, intestinal morphology, and gut microbiota. <i>Ecology and Evolution</i> , 2023, 13, .	1.9	1
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12380	Characteristics of rhizosphere and bulk soil microbial community of Chinese cabbage (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT /Qverlock 10	3.5	1
12382	Apple consumption affects cecal health by regulating 12 <i>S</i> -hydroxy-5 <i>Z</i> ,8 <i>Z</i> ,10 <i>E</i> ,14 <i>Z</i> -eicosatetraenoic acid (12 <i>S</i>)-HETE) levels through modifying the microbiota in rats. Food and Function, 2023, 14, 9419-9433.	4.6	0
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