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## Environmental and gut bacteroidetes: the food connection

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#	Paper	IF	Citations
877	Human health and disease in a microbial world. <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 190	5.7	11
876	<i>Natronoflexus pectinivorans</i> gen. nov. sp. nov., an obligately anaerobic and alkaliphilic fermentative member of Bacteroidetes from soda lakes. <b>2011</b> , 15, 691-6		30
875	Biochemical and structural characterization of the complex agarolytic enzyme system from the marine bacterium <i>Zobellia galactanivorans</i> . <b>2012</b> , 287, 30571-84		85
874	Bacteria of the human gut microbiome catabolize red seaweed glycans with carbohydrate-active enzyme updates from extrinsic microbes. <b>2012</b> , 109, 19786-91		194
873	Lateral gene transfer between the Bacteroidetes and Acidobacteria: the case of $\beta$ -L-rhamnosidases. <b>2012</b> , 586, 3843-51		30
872	Genotype by environment interaction effects on fibre components in potato ( <i>Solanum tuberosum</i> L.). <b>2012</b> , 187, 77-86		19
871	Interaction between interleukin-10 (IL-10) polymorphisms and dietary fibre in relation to risk of colorectal cancer in a Danish case-cohort study. <b>2012</b> , 12, 183		33
870	'Omics' of the mammalian gut--new insights into function. <b>2012</b> , 23, 491-500		27
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868	Characterization of a gene cluster for sialoglycoconjugate utilization in <i>Bacteroides fragilis</i> . <b>2012</b> , 59, 79-94		20
867	Substrate-controlled succession of marine bacterioplankton populations induced by a phytoplankton bloom. <b>2012</b> , 336, 608-11		846
866	Characterization of the first alginolytic operons in a marine bacterium: from their emergence in marine Flavobacteriia to their independent transfers to marine Proteobacteria and human gut <i>Bacteroides</i> . <b>2012</b> , 14, 2379-94		128
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864	Bacterial Diversity at Abandoned Uranium Mining and Milling Sites in Bulgaria as Revealed by 16S rRNA Genetic Diversity Study. <b>2013</b> , 224, 1		16
863	Emerging aspects of food and nutrition on gut microbiota. <b>2013</b> , 61, 9559-74		36
862	The Pharmacobiotic Potential of the Gastrointestinal Tract Micro-Biometabolome: Probiotic Connect: A Brief Commentary. <b>2013</b> , 74, 353-359		4
861	Protein substrates of a novel secretion system are numerous in the Bacteroidetes phylum and have in common a cleavable C-terminal secretion signal, extensive post-translational modification, and cell-surface attachment. <b>2013</b> , 12, 4449-61		91

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833	Improved group-specific primers based on the full SILVA 16S rRNA gene reference database. <b>2014</b> , 16, 2389-407	28
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707	Effect of hay supplementation timing on rumen microbiota in suckling calves. <b>2018</b> , 7, e00430	8
706	Recurrent patterns of microdiversity in a temperate coastal marine environment. <b>2018</b> , 12, 237-252	77
705	Impact of dietary induced precocious gut maturation on cecal microbiota and its relation to the blood-brain barrier during the postnatal period in rats. <b>2018</b> , 30, e13285	13
704	Lessons from simple marine models on the bacterial regulation of eukaryotic development. <b>2018</b> , 43, 108-116	19
703	Fast acquisition of a polysaccharide fermenting gut microbiome by juvenile green turtles <i>Chelonia mydas</i> after settlement in coastal habitats. <b>2018</b> , 6, 69	29
702	Effects of pure plant secondary metabolites on methane production, rumen fermentation and rumen bacteria populations in vitro. <b>2018</b> , 102, 869-881	11
701	Microbial Community Responses to Modern Environmental and Past Climatic Conditions in Omgongwa Pan, Western Kalahari: A Paired 16S rRNA Gene Profiling and Lipid Biomarker Approach. <b>2018</b> , 123, 1333-1351	7
700	Multiple mechanisms drive phage infection efficiency in nearly identical hosts. <b>2018</b> , 12, 1605-1618	28
699	Microbial community structures and functions of wastewater treatment systems in plateau and cold regions. <b>2018</b> , 249, 684-693	106

698	Transcriptional Activities of the Microbial Consortium Living with the Marine Nitrogen-Fixing Cyanobacterium <i>Trichodesmium</i> Reveal Potential Roles in Community-Level Nitrogen Cycling. <b>2018</b> , 84,	12
697	Long-term industrial metal contamination unexpectedly shaped diversity and activity response of sediment microbiome. <b>2018</b> , 344, 299-307	52
696	Variation in the bacteriome of the tropical liverwort, <i>Marchantia inflexa</i> , between the sexes and across habitats. <b>2018</b> , 75, 93-101	8
695	Comparative analysis of gut bacterial communities of green turtles ( <i>Chelonia mydas</i> ) pre-hospitalization and post-rehabilitation by high-throughput sequencing of bacterial 16S rRNA gene. <b>2018</b> , 207, 91-99	30
694	Exploring the links between groundwater quality and bacterial communities near oil and gas extraction activities. <b>2018</b> , 618, 165-173	19
693	Distinct diversity patterns of Planctomycetes associated with the freshwater macrophyte <i>Nuphar lutea</i> (L.) Smith. <b>2018</b> , 111, 811-823	13
692	Distinct responses of bacterial communities to agricultural and urban impacts in temperate southern African estuaries. <b>2018</b> , 200, 224-233	4
691	Application of high-throughput pyrosequencing in the analysis of microbiota of food commodities procured from small and large retail outlets in a U.S. metropolitan area - A pilot study. <b>2018</b> , 105, 29-40	8
690	Evidence from the gut microbiota of swarming alates of a vertical transmission of the bacterial symbionts in <i>Nasutitermes arborum</i> (Termitidae, Nasutitermitinae). <b>2018</b> , 111, 573-587	7
689	The Aboveground Vegetation Type and Underground Soil Property Mediate the Divergence of Soil Microbiomes and the Biological Interactions. <b>2018</b> , 75, 434-446	15
688	Reduction in Methane Emissions From Acidified Dairy Slurry Is Related to Inhibition of Species. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2806	5-7 20
687	Comparison of Gut Microbial Diversity in Beijing Oil and Arbor Acres Chickens. <b>2018</b> , 20, 37-44	2
686	Rice straw biochar as a novel niche for improved alterations to the cecal microbial community in rats. <b>2018</b> , 8, 16426	5
685	Variation of Bacterial and Archaeal Community Structures in a Full-Scale Constructed Wetlands for Wastewater Treatment. <b>2018</b> , 2018, 9319345	4
684	Diversity and predictive metabolic pathways of the prokaryotic microbial community along a groundwater salinity gradient of the Pearl River Delta, China. <b>2018</b> , 8, 17317	13
683	Long-term soil metal exposure impaired temporal variation in microbial metatranscriptomes and enriched active phages. <b>2018</b> , 6, 223	20
682	Altered Gut Microbiota and Compositional Changes in and in Mexican Undernourished and Obese Children. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2494	5-7 64
681	Diet induced changes in the microbiota and cell composition of rabbit gut associated lymphoid tissue (GALT). <b>2018</b> , 8, 14103	14

680	Intestinal toxicity of deoxynivalenol is limited by supplementation with JM113 and consequentially altered gut microbiota in broiler chickens. <b>2018</b> , 9, 74		28
679	Eubiotic effect of buckwheat d-fagomine in healthy rats. <b>2018</b> , 50, 120-126		8
678	The laterally acquired GH5 EngA from the marine bacterium is dedicated to hemicellulose hydrolysis. <b>2018</b> , 475, 3609-3628		4
677	Assessment of Bacterial Communities Associated With the Skin of Costa Rican Amphibians at La Selva Biological Station. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2001	5-7	9
676	Metatranscriptomics reveals a differential temperature effect on the structural and functional organization of the anaerobic food web in rice field soil. <b>2018</b> , 6, 169		19
675	A Comparative Study on the Faecal Bacterial Community and Potential Zoonotic Bacteria of Muskoxen () in Northeast Greenland, Northwest Greenland and Norway. <b>2018</b> , 6,		6
674	Genomic repeats, misassembly and reannotation: a case study with long-read resequencing of <i>Porphyromonas gingivalis</i> reference strains. <b>2018</b> , 19, 54		17
673	Interactive effects of multiple stressors revealed by sequencing total (DNA) and active (RNA) components of experimental sediment microbial communities. <b>2018</b> , 637-638, 1383-1394		18
672	Paddy-upland rotation for sustainable agriculture with regards to diverse soil microbial community. <b>2018</b> , 8, 7966		22
671	Microbial distribution and turnover in Antarctic microbial mats highlight the relevance of heterotrophic bacteria in low-nutrient environments. <b>2018</b> , 94,		9
670	A multifaceted approach to harness probiotics as antagonists on plant based foods, for enhanced benefits to be reaped at a global level. <b>2018</b> , 98, 5189-5196		2
669	Metagenomic Analysis of Bacteria, Fungi, Bacteriophages, and Helminths in the Gut of Giant Pandas. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1717	5-7	25
668	Origination, change, and modulation of geriatric disease-related gut microbiota during life. <b>2018</b> , 102, 8275-8289		19
667	The avian gut microbiota: community, physiology and function in wild birds. <b>2018</b> , 49, e01788		92
666	Composition and Functional Specialists of the Gut Microbiota of Frogs Reflect Habitat Differences and Agricultural Activity. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2670	5-7	26
665	The Q-Rule: Pyroglutamate in Signal Peptidase I Substrates. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 230	5-7	10
664	Benthic Bacterial Community Composition in the Oligohaline-Marine Transition of Surface Sediments in the Baltic Sea Based on rRNA Analysis. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 236	5-7	18
663	Physicochemical Drivers of Microbial Community Structure in Sediments of Lake Hazen, Nunavut, Canada. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1138	5-7	29

662	Body Mass Index and Sex Affect Diverse Microbial Niches within the Gut. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 213	5-7	54
661	The wild side of plant microbiomes. <b>2018</b> , 6, 143		102
660	Deciphering rhizosphere microbiome assembly of wild and modern common bean ( <i>Phaseolus vulgaris</i> ) in native and agricultural soils from Colombia. <b>2019</b> , 7, 114		72
659	Vertical distributions of airborne microorganisms over Asian dust source region of Taklimakan and Gobi Desert. <b>2019</b> , 214, 116848		14
658	Correlation between Jejunal Microbial Diversity and Muscle Fatty Acids Deposition in Broilers Reared at Different Ambient Temperatures. <b>2019</b> , 9, 11022		10
657	Arsenic and Sulfamethoxazole Increase the Incidence of Antibiotic Resistance Genes in the Gut of Earthworm. <b>2019</b> , 53, 10445-10453		23
656	Dysbiosis associated with acute helminth infections in herbivorous youngstock - observations and implications. <b>2019</b> , 9, 11121		15
655	Differences of methanogenesis between mesophilic and thermophilic in situ biogas-upgrading systems by hydrogen addition. <b>2019</b> , 46, 1569-1581		18
654	Understanding the alteration in rumen microbiome and CAZymes profile with diet and host through comparative metagenomic approach. <b>2019</b> , 201, 1385-1397		20
653	Biofilm formation as a microbial strategy to assimilate particulate substrates. <b>2019</b> , 11, 749-764		13
652	Epiphytic bacterial community shift drives the nutrient cycle during <i>Potamogeton malaianus</i> decomposition. <b>2019</b> , 236, 124253		18
651	Microbiome of the Black-Lipped Pearl Oyster , a Multi-Tissue Description With Functional Profiling. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1548	5-7	20
650	Analysis of 1,000 Type-Strain Genomes Improves Taxonomic Classification of. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2083	5-7	66
649	Baby-SPIME: A dynamic in vitro piglet model mimicking gut microbiota during the weaning process. <b>2019</b> , 167, 105735		3
648	Metagenomics Reveals Seasonal Functional Adaptation of the Gut Microbiome to Host Feeding and Fasting in the Chinese Alligator. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2409	5-7	11
647	Reduced Gut Microbiome Diversity and Metabolome Differences in Rhinoceros Species at Risk for Iron Overload Disorder. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2291	5-7	8
646	Spatial-Temporal Variation of Bacterial Communities in Sediments in Lake Chaohu, a Large, Shallow Eutrophic Lake in China. <b>2019</b> , 16,		9
645	Effects of ammonia on intestinal microflora and productive performance of laying ducks. <b>2019</b> , 98, 1947-1959		14

644	Equibiotic-GI Consumption Improves Intestinal Microbiota in Subjects with Functional Dyspepsia. <b>2019</b> , 14, 220-227		
643	Effects of reduced inorganic fertilization and rice straw recovery on soil enzyme activities and bacterial community in double-rice paddy soils. <b>2019</b> , 94, 103116		24
642	Characterization of the microbial community diversity and composition of the coast of Lebanon: Potential for petroleum oil biodegradation. <b>2019</b> , 149, 110508		6
641	Macroalga-Derived Alginate Oligosaccharide Alters Intestinal Bacteria of Atlantic Salmon. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2037	5-7	24
640	Multiple evaluation of the potential toxic effects of sediments and biota collected from an oil-polluted area around Abu Ali Island, Saudi Arabia, Arabian Gulf. <b>2019</b> , 183, 109547		8
639	New insights into the gut microbiome in loggerhead sea turtles <i>Caretta caretta</i> stranded on the Mediterranean coast. <b>2019</b> , 14, e0220329		31
638	Geographical location influences the composition of the gut microbiota in wild house mice ( <i>Mus musculus domesticus</i> ) at a fine spatial scale. <b>2019</b> , 14, e0222501		14
637	Interactions of tea polyphenols with intestinal microbiota and their implication for cellular signal conditioning mechanism. <b>2019</b> , 43, e12953		10
636	Response of Fish Gut Microbiota to Toxin-Containing Cyanobacterial Extracts: A Microcosm Study on the Medaka ( <i>Oryzias latipes</i> ). <b>2019</b> , 6, 341-347		15
635	Soil biota composition and the performance of a noxious weed across its invaded range. <b>2019</b> , 42, 1671-1681		4
634	Native soil microorganisms hinder the soil enrichment with antibiotic resistance genes following manure applications. <b>2019</b> , 9, 6760		20
633	Bacterial community composition and diversity in Koshi River, the largest river of Nepal. <b>2019</b> , 104, 501-511		16
632	Microbial production and consumption of dissolved organic matter in glacial ecosystems on the Tibetan Plateau. <b>2019</b> , 160, 18-28		40
631	Characterizing microbial diversity and community composition of groundwater in a salt-freshwater transition zone. <b>2019</b> , 678, 574-584		29
630	The Composition, Diversity and Predictive Metabolic Profiles of Bacteria Associated With the Gut Digesta of Five Sea Urchins in Luhuitou Fringing Reef (Northern South China Sea). <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1168	5-7	13
629	Gut microbiota of newborn piglets with intrauterine growth restriction have lower diversity and different taxonomic abundances. <b>2019</b> , 127, 354-369		29
628	The Study of Hydrogeochemical Environments and Microbial Communities along a Groundwater Salinity Gradient in the Pearl River Delta, China. <b>2019</b> , 11, 804		5
627	Composition, diversity and function of gastrointestinal microbiota in wild red-billed choughs ( <i>Pyrrhocorax pyrrhocorax</i> ). <b>2019</b> , 22, 491-500		7

626	Bacteroidetes use thousands of enzyme combinations to break down glycans. <b>2019</b> , 10, 2043	109
625	Bacterial Diversity in Alpine Lakes: A Review from the Third Pole Region. <b>2019</b> , 30, 387-396	3
624	Cultivation of <i>Chlorella vulgaris</i> on unsterilized dairy-derived liquid digestate for simultaneous biofuels feedstock production and pollutant removal. <b>2019</b> , 285, 121353	33
623	Reduces the Severity of Experimental Autoimmune Encephalomyelitis in Mice by Modulating Gut Microbiota. <b>2019</b> , 10, 385	70
622	Metagenomic analysis of composition, function and cycling processes of microbial community in water, sediment and effluent of <i>Litopenaeus vannamei</i> farming environments under different culture modes. <b>2019</b> , 506, 280-293	27
621	Microbial catabolism of <i>Porphyra haitanensis</i> polysaccharides by human gut microbiota. <b>2019</b> , 289, 177-186	55
620	Effects of <i>Bacillus subtilis</i> and coccidial vaccination on cecal microbial diversity and composition of <i>Eimeria</i> -challenged male broilers. <b>2019</b> , 98, 3839-3849	6
619	In vitro colonic fermentation of dietary fibers: Fermentation rate, short-chain fatty acid production and changes in microbiota. <b>2019</b> , 88, 1-9	164
618	Bioturbation of peanut worms <i>Sipunculus nudus</i> on the composition of prokaryotic communities in a tidal flat as revealed by 16S rRNA gene sequences. <b>2019</b> , 8, e00802	7
617	Characterization of electricity production and microbial community of food waste-fed microbial fuel cells. <b>2019</b> , 125, 83-91	29
616	Experimental evaluation on the applicability of necrobiome analysis in forensic veterinary science. <b>2019</b> , 8, e00828	5
615	Gut resistome plasticity in pediatric patients undergoing hematopoietic stem cell transplantation. <b>2019</b> , 9, 5649	13
614	Gut Microbes in Liver Diseases: Dietary Intervention for Promoting Hepatic Health. <b>2019</b> , 117-131	
613	Carbohydrate catabolic capability of a <i>Flavobacteriia</i> bacterium isolated from hadal water. <b>2019</b> , 42, 263-274	14
612	Dysbiosis of Gram-negative gut microbiota and the associated serum lipopolysaccharide exacerbates inflammation in type 2 diabetic patients with chronic kidney disease. <b>2019</b> , 18, 3461-3469	47
611	Comparative analysis and characterization of the gut microbiota of four farmed snakes from southern China. <b>2019</b> , 7, e6658	12
610	Shifts in microbial community composition in tannery-contaminated soil in response to increased gamma radiation. <b>2019</b> , 69, 1567-1577	2
609	Metabolic Modeling Elucidates the Transactions in the Rumen Microbiome and the Shifts Upon Virome Interactions. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2412	5-7 13



608	The Genus as Poultry Feed Additive: A Review. <b>2019</b> , 9,	22
607	Comparative Genomics and CAZyme Genome Repertoires of Marine KMM 3526 and KMM 3676. <b>2019</b> , 17,	13
606	Genomic Signatures for Sedimentary Microbial Utilization of Phytoplankton Detritus in a Fast-Flowing Estuary. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2475	5-7 4
605	Enzymes for Modification of Chitin and Chitosan. <b>2019</b> , 189-228	3
604	High-Throughput Sequencing Analysis Reveals Correlations between Host Phylogeny, Gut Microbiota, and Habitat of Wild Frogs from a Mountainous Area. <b>2019</b> , 107, 131	3
603	<i>Candidatus Prosilicoccus vernus</i> , a spring phytoplankton bloom associated member of the Flavobacteriaceae. <b>2019</b> , 42, 41-53	18
602	Biogeochemical Regimes in Shallow Aquifers Reflect the Metabolic Coupling of the Elements Nitrogen, Sulfur, and Carbon. <b>2019</b> , 85,	23
601	Diet composition and gut microbiome of 0-group European plaice <i>Pleuronectes platessa</i> L. - Strong homogeneity and subtle spatial and temporal differences. <b>2019</b> , 144, 67-77	4
600	Repeated evolutionary transitions of flavobacteria from marine to non-marine habitats. <b>2019</b> , 21, 648-666	17
599	Potential of Omega-3 Polyunsaturated Fatty Acids in Managing Chemotherapy- or Radiotherapy-Related Intestinal Microbial Dysbiosis. <b>2019</b> , 10, 133-147	16
598	Diversity and Coding Potential of the Microbiota in the Photic and Aphotic Zones of Tropical Man-Made Lake with Intensive Aquaculture Activities: a Case Study on Temengor Lake, Malaysia. <b>2019</b> , 78, 20-32	8
597	Focused Metabolism of $\beta$ -Glucans by the Soil Species <i>Chitinophaga pinensis</i> . <b>2019</b> , 85,	23
596	Food waste fermentation in a leach bed reactor: Reactor performance, and microbial ecology and dynamics. <b>2019</b> , 274, 153-161	36
595	Study on the ability of partially hydrolyzed guar gum to modulate the gut microbiota and relieve constipation. <b>2019</b> , 43, e12715	13
594	Alterations in soil bacterial community in relation to <i>Spartina alterniflora</i> Loisel. invasion chronosequence in the eastern Chinese coastal wetlands. <b>2019</b> , 135, 38-43	19
593	Oxygen Consumption and Sulfate Reduction in Vegetated Coastal Habitats: Effects of Physical Disturbance. <b>2019</b> , 6,	24
592	Response of Microbial Community Structures and Functions of Nitrosifying Consortia to Biorefractory Humic Substances. <b>2019</b> , 7, 4744-4754	15
591	A mini-review on the microbial continuum: consideration of a link between judicious consumption of a varied diet of macroalgae and human health and nutrition. <b>2019</b> , 37, 790-805	7

590	Impact of long-term grazing exclusion on soil microbial community composition and nutrient availability. <b>2019</b> , 55, 121-134	32
589	Bacterial and microeukaryotic plankton communities in a semi-intensive aquaculture system of sea bass ( <i>Dicentrarchus labrax</i> ): A seasonal survey. <b>2019</b> , 503, 59-69	17
588	Impact of long-term agricultural management practices on soil prokaryotic communities. <b>2019</b> , 129, 17-28	59
587	Structure and Diversity of the Bacterial Communities in the Acid and Thermophilic Crater-Lake of the Volcano El Chichón Mexico. <b>2019</b> , 36, 97-109	8
586	Probiotic <i>Clostridium butyricum</i> Improves the Growth Performance, Immune Function, and Gut Microbiota of Weaning Rex Rabbits. <b>2019</b> , 11, 1278-1292	36
585	Salinity stresses make a difference in the start-up of membrane bioreactor: performance, microbial community and membrane fouling. <b>2019</b> , 42, 445-454	8
584	Removal of veterinary antibiotics in constructed wetland microcosms - Response of bacterial communities. <b>2019</b> , 169, 894-901	35
583	You are what you eat: diet, health and the gut microbiota. <b>2019</b> , 16, 35-56	492
582	Contrasting Soil Bacterial and Fungal Communities between the Swamp and Upland in the Boreal Forest and their Biogeographic Distribution Patterns. <b>2019</b> , 39, 441-451	1
581	Assessing the performance and microbial community of hybrid moving bed and conventional membrane bioreactors treating municipal wastewater. <b>2019</b> , 40, 716-729	7
580	Removal of ethanethiol using a biotrickling filter with nitrate as an electron acceptor. <b>2020</b> , 41, 1738-1752	
579	The effects of artificial light at night on Eurasian tree sparrow ( <i>Passer montanus</i> ): Behavioral rhythm disruption, melatonin suppression and intestinal microbiota alterations. <b>2020</b> , 108, 105702	14
578	Biofilm characteristics, microbial community structure and function of an up-flow anaerobic filter-biological aerated filter (UAF-BAF) driven by COD/N ratio. <b>2020</b> , 708, 134422	13
577	Organic degrading bacteria and nitrifying bacteria stimulate the nutrient removal and biomass accumulation in microalgae-based system from piggery digestate. <b>2020</b> , 707, 134442	23
576	No evidence for phyllosymbiosis in western chipmunk species. <b>2020</b> , 96,	10
575	Light and carbon sources addition alter microbial community in biofloc-based <i>Litopenaeus vannamei</i> culture systems. <b>2020</b> , 515, 734572	17
574	Recurrent seasonal changes in bacterial growth efficiency, metabolism and community composition in coastal waters. <b>2020</b> , 22, 369-380	4
573	Composition and functional diversity of fecal bacterial community of wild boar, commercial pig and domestic native pig as revealed by 16S rRNA gene sequencing. <b>2020</b> , 202, 843-857	8

572	Enhanced nitrogen removal from low C/N wastewater using biodegradable and inert carriers: Performance and microbial shift. <b>2020</b> , 300, 122658		11
571	Effect of protein sources in formulated diets on the growth, immune response, and intestinal microflora of pearl oyster <i>Pinctada fucata martensii</i> . <b>2020</b> , 16, 100253		3
570	Effect of fibre sources on performance, serum parameters, intestinal morphology, digestive enzyme activities and microbiota in weaned pigs. <b>2020</b> , 74, 121-137		8
569	Characterization of the microbiome along the gastrointestinal tracts of semi-artificially reared bar-headed geese ( <i>Anser indicus</i> ). <b>2020</b> , 65, 533-543		2
568	Responses of soil nutrients and microbial communities to intercropping medicinal plants in moso bamboo plantations in subtropical China. <b>2020</b> , 27, 2301-2310		9
567	Genomic landscape and genetic manipulation of the black soldier fly <i>Hermetia illucens</i> , a natural waste recycler. <b>2020</b> , 30, 50-60		56
566	Bacteroidetes bacteria in the soil: Glycan acquisition, enzyme secretion, and gliding motility. <b>2020</b> , 110, 63-98		21
565	β-glucan attenuates cognitive impairment via the gut-brain axis in diet-induced obese mice. <b>2020</b> , 8, 143		40
564	Chemoreceptors with C-terminal pentapeptides for CheR and CheB binding are abundant in bacteria that maintain host interactions. <b>2020</b> , 18, 1947-1955		2
563	Microbial community analyses by high-throughput sequencing of rumen microorganisms fermenting office paper in mesophilic and thermophilic lysimeters. <b>2020</b> , 136, 182-193		8
562	Comparative Genomic Study of Polar Lichen-Associated <i>Hymenobacter</i> sp. PAMC 26554 and <i>Hymenobacter</i> sp. PAMC 26628 Reveals the Presence of Polysaccharide-Degrading Ability Based on Habitat. <b>2020</b> , 77, 2940-2952		2
561	Interspecific comparison of the fecal microbiota structure in three Arctic migratory bird species. <b>2020</b> , 10, 5582-5594		5
560	Fecal Microbiota Characterization of Seychelles Giant Tortoises ( <i>Galapago mydas</i> ) Living in Both Wild and Controlled Environments. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 569249	5-7	7
559	Microbial Polyethylene Terephthalate Hydrolases: Current and Future Perspectives. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 571265	5-7	29
558	Altitude influences microbial diversity and herbage fermentation in the rumen of yaks. <b>2020</b> , 20, 370		11
557	Antimicrobial peptide cocktail activity in minced turkey meat. <b>2020</b> , 92, 103580		5
556	Pilot-scale textile dyeing wastewater sludge reduction via microbial agent and aeration: Parameter optimization and mechanisms exploration. <b>2020</b> , 20, 101053		1
555	Taxonomic and functional profiling of the microbial communities of Arabian Sea: A metagenomics approach. <b>2020</b> , 112, 4361-4369		8

554	Effects of Antibiotic Treatment on Gut Microbiota and How to Overcome Its Negative Impacts on Human Health. <b>2020</b> , 6, 2544-2559		16
553	Effects of Yu-Ping-Feng polysaccharides (YPS) on the immune response, intestinal microbiota, disease resistance and growth performance of <i>Litopenaeus vannamei</i> . <b>2020</b> , 105, 104-116		13
552	A Mixed Phytogetic Modulates the Rumen Bacteria Composition and Milk Fatty Acid Profile of Water Buffaloes. <b>2020</b> , 7, 569		2
551	Local Conditions Influence the Prokaryotic Communities Associated With the Mesophotic Black Coral. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 537813	5-7	7
550	Seagrass vegetation affect the vertical organization of microbial communities in sediment. <b>2020</b> , 162, 105174		9
549	Long-term enriched methanogenic communities from thermokarst lake sediments show species-specific responses to warming. <b>2020</b> , 1,		1
548	Responses of soil bacteria and fungi after 36 years fertilizer, straw cover and irrigation management practices in northwest China. <b>2020</b> , 37, 843		1
547	Bacteria associated with cockroaches: health risk or biotechnological opportunity?. <b>2020</b> , 104, 10369-10387		13
546	Cross-generational effects of climate change on the microbiome of a photosynthetic sponge. <b>2020</b> , 22, 4732-4744		3
545	Coupled electrokinetic and biological remediation method leads to improved treatment of chlorinated solvents at high sulfate, transport limited sites. <b>2020</b> , 6, 2926-2937		1
544	Lysogeny in the oceans: Lessons from cultivated model systems and a reanalysis of its prevalence. <b>2020</b> , 22, 4919-4933		9
543	Intrauterine growth restriction alters growth performance, plasma hormones, and small intestinal microbial communities in growing-finishing pigs. <b>2020</b> , 11, 86		13
542	Intestinal Tract Microbe Communities Associated with Horseshoe Crabs from Beibu Gulf, China. <b>2020</b> , 77, 3330-3338		2
541	Biodegradation of natural rubber and deproteinized natural rubber by enrichment bacterial consortia. <b>2020</b> , 31, 303-317		2
540	Comparative genomic analysis of Flavobacteriaceae: insights into carbohydrate metabolism, gliding motility and secondary metabolite biosynthesis. <b>2020</b> , 21, 569		12
539	Soil Bacterial and Archaeal Communities and Their Potential to Perform N-Cycling Processes in Soils of Boreal Forests Growing on Well-Drained Peat. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 591358	5-7	8
538	Prophages and Past Prophage-Host Interactions Revealed by CRISPR Spacer Content in a Fish Pathogen. <b>2020</b> , 8,		1
537	Effects of manganese and <i>Bacillus subtilis</i> on the reproductive performance, egg quality, antioxidant capacity, and gut microbiota of breeding geese during laying period. <b>2020</b> , 99, 6196-6204		6

536	Analyzing the intestinal microbiome in inflammatory bowel disease: From RNA to multiomics. <b>2020</b> , 4, 779-781		
535	Spatial variation in bacterial biomass, community composition and driving factors across a eutrophic river. <b>2020</b> , 205, 111113		3
534	Bacterial Community Dynamics Distinguish Poultry Compost from Dairy Compost and Non-Amended Soils Planted with Spinach. <b>2020</b> , 8,		2
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475	Effect of biochar addition on sludge aerobic composting and greenbelt utilization. <b>2021</b> , 21, 101279	14
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429	Nanoparticles Synergistic Effect with Various Substrate Pretreatment and their Comparison on Biogas Production from Algae Waste. <b>2021</b> , 16, 374-382	4

428	Changes in soil phosphorus availability and associated microbial properties after chicken farming in Lei bamboo ( <i>Phyllostachys praecox</i> ) forest ecosystems. <b>2021</b> , 32, 3008-3022	1
427	Recurrent microbial community types driven by nearshore and seasonal processes in coastal Southern California. <b>2021</b> , 23, 3225-3239	2
426	Gut microbiome alterations in high-fat-diet-fed mice are associated with antibiotic tolerance. <b>2021</b> , 6, 874-884	23
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421	Responses of juvenile fathead minnow ( <i>Pimephales promelas</i> ) gut microbiome to a chronic dietary exposure of benzo[a]pyrene. <b>2021</b> , 278, 116821	3
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412	Enantioselective effects of cyflumetofen on microbial community and related nitrogen cycle gene function in acid-soil. <b>2021</b> , 771, 144831	14
411	Effect of Increasing C/N Ratio on Performance and Microbial Community Structure in a Membrane Bioreactor with a High Ammonia Load. <b>2021</b> , 18,	1

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408	The Histidine Biosynthetic Genes in the Superphylum Bacteroidota-Rhodothermota-Balneolota-Chlorobiota: Insights into the Evolution of Gene Structure and Organization. <b>2021</b> , 9,	2
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406	Gut microbiome is affected by gut region but robust to host physiological changes in captive active-season ground squirrels. <b>2021</b> , 3, 56	1
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404	Advances in the in vitro digestion and fermentation of polysaccharides.	5
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400	Interactions between temperature and energy supply drive microbial communities in hydrothermal sediment. <b>2021</b> , 4, 1006	2
399	A highly active phosphate-insensitive phosphatase is widely distributed in nature.	
398	Microbiome in drinking water treatment and distribution: a critical review and meta-analysis from source to tap.	
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393	Cultivable Winogradskyella species are genomically distinct from the sympatric abundant candidate species. <b>2021</b> , 1,	1

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391	Analyses of the gut bacteriomes of four important <i>Drosophila</i> pests. 1-17	0
390	Treatment of printing and dyeing wastewater in biological contact oxidation reactors comprising basalt fibers and combination fillers as bio-carriers: Elucidation of bacterial communities and underlying mechanisms. <b>2021</b> , 785, 147272	6
389	Dynamics of Macrophages and Polymorphonuclear Leukocytes Milk-Secreted by Buffaloes with Udders Characterized by Different Clinical Status. <b>2021</b> , 8,	0
388	Deciphering the colonic fermentation characteristics of agavin and digestion-resistant maltodextrin in a simulated batch fermentation system. <b>2021</b> , 189, 151-159	
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385	Bio-clogging mitigation in vertical subsurface flow constructed wetlands using rhamnolipids-citric acid compound. <b>2021</b> , 426, 131278	4
384	Significance of different mixing conditions on performance and microbial communities in anaerobic digester amended with granular and powdered activated carbon. <b>2021</b> , 341, 125768	1
383	Arbuscular mycorrhizal inoculum coupled with organic substrate induces synergistic effects for soil quality changes, and rhizosphere microbiome structure in long-term monocropped cucumber planted soil. <b>2021</b> , 20, 100428	1
382	Effect of polysaccharide fractions from <i>Fortunella margarita</i> on the fecal microbiota of mice and SCFA production in vitro. <b>2022</b> , 11, 97-108	4
381	Microbial and chemical dynamics of brewers' spent grain during a low-input pre-vermicomposting treatment. <b>2022</b> , 802, 149792	2
380	Plastic film mulching reduces microbial interactions in black soil of northeastern China. <b>2022</b> , 169, 104187	1
379	A Microbial Consortium Removing Phosphates under Conditions of Cyclic Aerobic-Anaerobic Cultivation. <b>2021</b> , 90, 66-77	1
378	Development of a Flow-through Biofilm Reactor for Anammox Startup and Operation: Nitrogen Removal and Metacommunity. <b>2021</b> , 1, 573-583	1
377	Aerobic Hydrocarbon-Degrading Bacteroidetes. <b>2019</b> , 73-91	3
376	The Genus <i>Bacteroides</i> . <b>2014</b> , 459-484	3
375	Role of Gut Microbiota in Combating Oxidative Stress. <b>2019</b> , 43-82	10

374	The Domain of Bacteria and Their Volatile Metabolic Potential. <b>2020</b> , 1-38	3
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371	Microbial genomics amidst the Arctic crisis. <b>2020</b> , 6,	9
370	Microbiome diversity and composition varies across body areas in a freshwater turtle. <b>2020</b> , 166, 440-452	5
369	Recovery and Community Succession of the Zostera marina Rhizobiome After Transplantation.	1
368	Dead or Alive? Molecular life-dead distinction in human stool samples reveals significantly different composition of the microbial community.	1
367	Gut microbiome recovery after antibiotic usage is mediated by specific bacterial species.	3
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365	Gut microbiome of the critically endangered New Zealand parrot, the kakapo (Strigops habroptilus). <b>2012</b> , 7, e35803	53
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359	Integrating Gut Bacterial Diversity and Captive Husbandry to Optimize Vulture Conservation. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1025	5-7 6
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355	Rapamycin rejuvenates oral health in aging mice. <b>2020</b> , 9,		26
354	Biogeographic variation in the microbiome of the ecologically important sponge, <i>Carteriospongia foliascens</i> . <b>2015</b> , 3, e1435		31
353	Acidification increases abundances of and associated to a seaweed-grazer system: potential consequences for disease and prey digestion efficiency. <b>2018</b> , 6, e4377		13
352	Early-life intestinal microbiome in analyzed using 16S rRNA sequencing. <b>2020</b> , 8, e8501		3
351	Dynamic changes in intestinal microbiota in young forest musk deer during weaning. <b>2020</b> , 8, e8923		2
350	Implications of Microbial Community to the Overall Performance of Tree-Box Filter Treating Parking Lot Runoff. <b>2021</b> , 13, 10877		0
349	Diet and Domestication Drive Evolution of the Gut Holobiome.		
348	Semi-continuous anolyte circulation to strengthen CO <sub>2</sub> bioelectromethanogenesis with complex organic matters as the e <sup>-</sup> /H <sup>+</sup> donor for simultaneous biowaste refinery. <b>2021</b> , 133123		2
347	16S rRNA metabarcoding unearths responses of rare gut microbiome of fathead minnows exposed to benzo[a]pyrene. <b>2021</b> , 151060		
346	Enhanced refractory organics removal by sponge iron-coupled microbe technology: performance and underlying mechanism analysis. <b>2021</b> , 1		0
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