Metagenomic biomarker discovery and explanation

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1239	Obese Subjects With Specific Gustatory Papillae Microbiota and Salivary Cues Display an Impairment to Sense Lipids. **2018**, 8, 6742	22
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542	Description of Gut Mycobiota Composition and Diversity of Caprinae Animals.	0
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529	Effects of dietary plant protein sources intake on growth, digestive enzyme activity, edible tissue nutritional status and intestinal health of the omnivorous Redclaw crayfish, Cherax quadricarinatus. 1-18	0
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522	Insights into the Relationship between Intestinal Microbiota of the Aquaculture Worm Sipunculus nudus and Surrounding Sediments. **2023**, 8, 32	1
521	Simultaneous treatment of chromium-containing wastewater and electricity generation using a plant cathode-sediment microbial fuel cell: investigation of associated mechanism and influencing factors.	0
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514	Quercus rubra invasion of temperate deciduous forest stands alters the structure and functions of the soil microbiome. **2023**, 430, 116328	0
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512	Biochar remediation of PFOA contaminated soil decreased the microbial network complexity. **2023**, 11, 109239	0
511	Exploring diversity patterns and driving mechanisms of the antibiotic resistome and microbiome in saline groundwater. **2023**, 446, 130734	0
510	Influence of DNA from non-viable sources on the riverine water and biofilm microbiome, resistome, mobilome, and resistance gene host assignments. **2023**, 446, 130743	0
509	The potential roles of carotenoids in enhancing phytoremediation of bisphenol A contaminated soil by promoting plant physiology and modulating rhizobacterial community of tobacco. **2023**, 316, 137807	0
508	Antibiotic and heavy metal resistance genes in sewage sludge survive during aerobic composting. **2023**, 866, 161386	0
507	Conventional tobacco products harbor unique and heterogenous microbiomes. **2023**, 220, 115205	0
506	Root exudation processes induce the utilization of microbial-derived components by rhizoplane microbiota under conservation agriculture. **2023**, 178, 108956	0
505	Distinctive role of soil type and land use in driving bacterial communities and carbon cycling functions down soil profiles. **2023**, 223, 106903	0
504	Impact of microplastics on lead-contaminated riverine sediments: Based on the enzyme activities, DOM fractions,´and bacterial community structure. **2023**, 447, 130763	0
503	Exposure to benzalkonium chloride disinfectants promotes antibiotic resistance in sewage sludge microbiomes. **2023**, 867, 161527	1
502	Soil management legacy interacts with wheat genotype to determine access to organic N in a dryland system. **2023**, 345, 108336	0
501	Continuous cropping of cut chrysanthemum reduces rhizospheric soil bacterial community diversity and co-occurrence network complexity. **2023**, 185, 104801	0
500	Low microbiome diversity in threatened amphibians from two biodiversity hotspots. **2022**, 4,	0
499	Using whole-genome sequencing (WGS) to plot colorectal cancer-related gut microbiota in a population with varied geography. **2022**, 14,	0
498	The oral cancer microbiome contains tumor space‐specific and clinicopathology-specific bacteria. 12,	0
497	Metaproteogenomic Analysis of Saliva Samples from Parkinson's Disease Patients Across the Spectrum of Cognitive Impairment.	0
496	Thallium(III) exposure alters diversity and co-occurrence networks of bacterial and fungal communities and intestinal immune response along the digestive tract in mice.	0
495	Antibiotic-induced dysbiosis does not potentiate the effect of lipopolysaccharide insult in male Wistar rats.	0

494	Vaccination with an HIV T-cell immunogen induces alterations in the mouse gut microbiota. **2022**, 8,	0
493	CCL17 Promotes Colitis-Associated Tumorigenesis Dependent on the Microbiota. **2022**, 209, 2227-2238	0
492	Effects of Flavonoid-Rich Orange Juice Intervention on Major Depressive Disorder in Young Adults: A Randomized Controlled Trial. **2023**, 15, 145	0
491	Effects of Alpine Grassland Degradation on Soil Microbial Communities in Qilian Mountains´of China.	0
490	An exploration of mechanism of high quality and yield of Gastrodia elata Bl. f. glauca by the isolation, identification and evaluation of Armillaria. **2022**, 22,	0
489	Cross Cultivation on Homologous/Heterologous Plant-Based Culture Media Empowers Host-Specific and Real Time In Vitro Signature of Plant Microbiota. **2023**, 15, 46	0
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485	MetaAnalyst: a user-friendly tool for metagenomic biomarker detection and phenotype classification. **2022**, 22,	0
484	Amendment of a thermophile-fermented compost to humus improves the growth of female larvae of the Hercules beetleDynastes hercules(Coleoptera: scarabaeidae). **2023**, 134,	0
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482	Association of gut microbiota and glucose metabolism in children with disparate degrees of adiposity.	0
481	Environmental Filtering Drives Fungal Phyllosphere Community in Regional Agricultural Landscapes. **2023**, 12, 507	0
480	STING Promotes Intestinal IgA Production by Regulating Acetate-producing Bacteria to Maintain Host-microbiota Mutualism.	1
479	Accommodating multiple potential normalizations in microbiome associations studies. **2023**, 24,	0
478	Role of Gut Microbiome in Neoadjuvant Chemotherapy Response in Urothelial Carcinoma: A Multi-Institutional Prospective Cohort Evaluation.	0
477	Lettuce Soil Microbiome Modulated by an L-▯Amino Acid-Based Biostimulant. **2023**, 13, 344	0

476	Lactobacillus Plantarum injection at the embryonic stage alters the early growth performance and lipid metabolism of broilers by specific genera of bacteria. **2023**, 102522	0
475	Microbiome in paired root apices and periapical lesions and its association with clinical signs in persistent apical periodontitis using next-generation sequencing.	0
474	Soil Micro-Pore Structure and Associating Water and Fungi´Conspire to Regulate Bacterial Early-Stage Colonization.	0
473	The Effects of Iron Deficiency on the Gut Microbiota in Women of Childbearing Age. **2023**, 15, 691	0
472	Concomitant analyses of intratumoral microbiota and genomic features reveal distinct racial differences in breast cancer. **2023**, 9,	0
471	EasyAmplicon: An easy-to-use, open-source, reproducible, and community-based pipeline for amplicon data analysis in microbiome research.	0
470	Cold sediment microbial community shifts in response to crude oil water-accommodated fraction with or without dispersant: a microcosm study.	0
469	Virus induced dysbiosis promotes type 1 diabetes onset. 14,	0
468	Improvements in gut microbiota dysbiosis in aged mice transplanted with adipose-derived stem cells.	0
467	Changes in Phyllosphere Microbial Communities of Pinus tabuliformis after Infestation by Bursaphelenchus xylophilus. **2023**, 14, 179	0
466	Strain-specific alterations in gut microbiome and host immune responses elicited by tolerogenic Bifidobacterium pseudolongum. **2023**, 13,	0
465	Deciphering pH-dependent microbial taxa and functional gene co-occurrence in the coral Galaxea fascicularis.	0
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461	A Machine Learning Approach Reveals a Microbiota Signature for Infection with Mycobacterium avium subsp. paratuberculosis in Cattle.	1
460	Maternal-Child Microbiome and Impact on Growth and Neurodevelopment in Infants and Children: A Scoping Review. 109980042211511	0
459	Response of the Soil Fungal Community and Its Function during the Conversion of Forestland to Tea Plantations: A Case Study in Southeast China. **2023**, 14, 209	0

458	Contribution of Ammonium-Induced Nitrifier Denitrification to N2O in Paddy Fields.	o
457	Apoplast-localized βGlucosidase Elevates Isoflavone Accumulation in the Soybean Rhizosphere.	o
456	Bacteroides uniformis and its preferred substrate, αcyclodextrin, enhance endurance exercise performance in mice and human males. **2023**, 9,	o
455	Inhibition of carnitine palmitoyl-transferase 1 is a potential target in a mouse model of Parkinson's disease. **2023**, 9,	o
454	Artificial Intelligence Application to Microbiomics Data for Improved Clinical Decision Making in Precision Oncology. **2023**, 157-177	o
453	Effects of the Long-Term Continuous Cropping of Yongfeng Yam on the Bacterial Community and Function in the Rhizospheric Soil. **2023**, 11, 274	o
452	Black Lycium barbarum polysaccharide attenuates LPS-induced intestine damage via regulation gut microbiota. 13,	o
451	Dynamic Changes in the Gut Microbiota and Metabolites during the Growth of Hainan Wenchang Chickens. **2023**, 13, 348	o
450	Combined analysis of gut microbiome and serum metabolomics reveals novel biomarkers in patients with early-stage non-small cell lung cancer. 13,	o
449	Modulatory Effects of Heat-Inactivated Streptococcus Thermophilus Strain 7 on the Inflammatory Response: A Study on an Animal Model with TLR3-Induced Intestinal Injury. **2023**, 11, 278	o
448	Gut Microbiota Analysis and In Silico Biomarker Detection of Children with Autism Spectrum Disorder across Cohorts. **2023**, 11, 291	o
447	Impact of Cesarean Delivery and Breastfeeding on Secretory Immunoglobulin A in the Infant Gut Is Mediated by Gut Microbiota and Metabolites. **2023**, 13, 148	o
446	Origin, Selection, and Succession of Coastal Intertidal Zone-Derived Bacterial Communities Associated with the Degradation of Various Lignocellulose Substrates.	o
445	Comparison of gut microbiota between immigrant and native populations of the Silver-eared Mesia (Leiothrix argentauris) living in mining area. 14,	o
444	Urinary Eubacterium sp. CAG:581 Promotes Non-Muscle Invasive Bladder Cancer (NMIBC) Development through the ECM1/MMP9 Pathway. **2023**, 15, 809	o
443	Human liver microbiota modeling strategy at the early onset of fibrosis. **2023**, 23,	o
442	Bacterial Community Links the Humification to Green Waste and Sewage Sludge Feeding Ratio During Aerobic Co-Composting.	o
441	Recurrent phases of strict protein limitation inhibit tumor growth and restore lifespan in aDrosophilaintestinal cancer model.	o

440	Microbiota from Exercise Mice Counteracts High-Fat High-Cholesterol Diet-Induced Cognitive Impairment in C57BL/6 Mice. **2023**, 2023, 1-17	0
439	Endometrial microbiota in women with and without adenomyosis: A pilot study. 14,	0
438	Dietary Sodium Butyrate Improves Intestinal Health of Triploid Oncorhynchus mykiss Fed a Low Fish Meal Diet. **2023**, 12, 145	0
437	Biogeography and potential ecological functions of prokaryotes in the hydrothermal and non-hydrothermal field sediments of the Indian Ocean Ridges. 9,	0
436	Diversity of the fecal microbiota in Chinese ponies. 10,	0
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433	Genotype–environment interactions determine microbiota plasticity in the sea anemone Nematostella vectensis. **2023**, 21, e3001726	0
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431	Influence of neo-adjuvant radiotherapy on the intestinal microbiota of rectal cancer patients.	0
430	Effect of different straw retention techniques on soil microbial community structure in wheat–maize rotation system. 13,	0
429	Soil amendment with cow dung modifies the soil nutrition and microbiota to reduce the ginseng replanting problem. 14,	0
428	Experimental bacterial dysbiosis with consequent immune alterations increase intrarectal SIV acquisition susceptibility. **2023**, 42, 112020	0
427	Long-term Pu-erh tea consumption improves blue light-induced depression-like behaviors.	0
426	Oceanic photosynthetic picoeukaryotes make a significant contribution to global oceanic meta-metabolism, indicating that cellular and genome streamlining confer ecological success.	0
425	Application of metagenomic next-generation sequencing in the diagnosis of urinary tract infection in patients undergoing cutaneous ureterostomy. 13,	0
424	Vertical organization of microbial communities in Salineta hypersaline wetland, Spain. 14,	0
423	The Adaptive Evolution in the Fall Armyworm Spodoptera frugiperda (Lepidoptera: Noctuidae) Revealed by the Diversity of Larval Gut Bacteria. **2023**, 14, 321	0

422	Association of gut microbiota and SCFAs with finishing weight of Diannan small ear pigs. 14,	1
421	Cinnamon (Cinnamomum cassia) water extract improves diarrhea symptoms by changing the gut environment: a randomized controlled trial. **2023**, 14, 1520-1529	0
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419	Phylogenetic diversity of stochasticity-dominated predatory myxobacterial community drives multi-nutrient cycling in typical farmland soils. **2023**, 871, 161680	0
418	Progressive belowground soil development associated with sustainable plant establishment during copper mine waste revegetation. **2023**, 186, 104813	0
417	Chlorella modulation of gut microbiota dysbiosis in patients with type-2 diabetes. **2023**, 10, 45-58	0
416	The protective role of microbiota in the prevention of MPTP/P induced Parkinson's disease by resveratrol.	0
415	Uncovering Bacterial Diversity during Mesophilic and Thermophilic Phases of Biowaste Composting through Next-Generation Sequencing. **2023**, 13, 3111	0
414	Differences of gut microbiota and behavioral symptoms between two subgroups of autistic children based on ▯T cells-derived IFN-▯Levels: A preliminary study. 14,	0
413	Metagenomic analysis revealed the potential of lactic acid bacteria in the improvement of natural saline-alkali land.	0
412	Changes in the oral and nasal microbiota in pediatric obstructive sleep apnea. **2023**, 15,	0
411	High Abundance of Candidatus Arthromitus in Intestinal Microbiota of Seriolella violacea (Palm Ruff) under Reared Conditions. **2023**, 8, 109	0
410	Changes of gut microbiota and tricarboxylic acid metabolites may be helpful in early diagnosis of necrotizing enterocolitis: A pilot study. 14,	0
409	Fecal microbiota transplantation in a rodent model of short bowel syndrome: A therapeutic approach?. 13,	0
408	Omega-3-Supplemented Fat Diet Drives Immune Metabolic Response in Visceral Adipose Tissue by Modulating Gut Microbiota in a Mouse Model of Obesity. **2023**, 15, 1404	0
407	Strip intercropping with local crops increased Aconitum carmichaeli yield and soil quality. 14,	0
406	Bacterial communities of Aedes aegypti mosquitoes differ between crop and midgut tissues. **2023**, 17, e0011218	0
405	Moringa oleifera Leaf Powder as New Source of Protein-Based Feedstuff Improves Growth Performance and Cecal Microbial Diversity of Broiler Chicken. **2023**, 13, 1104	0

404	Acute toxic effects of microcystin-LR on crayfish (Procambarus clarkii): Insights from antioxidant system, histopathology and intestinal flora.	0
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401	Determining the most accurate 16S rRNA hypervariable region for taxonomic identification from respiratory samples. **2023**, 13,	0
400	Cecal Microbial Succession and Its Apparent Association with Nutrient Metabolism in Broiler Chickens.	0
399	Effect of calcium peroxide assisted microwave irradiation pretreatment on humus formation and microbial community in straw and dairy manure composting. **2023**, 374, 128780	0
398	Antimicrobial Photodynamic Inactivation: An Alternative for Group B Streptococcus Vaginal Colonization in a Murine Experimental Model. **2023**, 12, 847	0
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396	Decision Tree Ensembles Utilizing Multivariate Splits Are Effective at Investigating Beta Diversity in Medically Relevant 16S Amplicon Sequencing Data. **2023**, 11,	0
395	Insights into the Gut Microbiota of the Freshwater Crab Sinopotamon planum across Three Seasons and Its Associations with the Surrounding Aquatic Microbiota. **2023**, 15, 519	0
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393	Effects of melittin on production performance, antioxidant function, immune function, heat shock protein, intestinal morphology, and cecal microbiota in heat-stressed quails. **2023**, 102713	0
392	Acute temperature stresses trigger liver transcriptome and microbial community remodeling in largemouth bass (Micropterus salmoides). **2023**, 739573	0
391	Different Diet Energy Levels Alter Body Condition, Glucolipid Metabolism, Fecal Microbiota and Metabolites in Adult Beagle Dogs. **2023**, 13, 554	0
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389	Can the gut microbiota serve as a guide to the diagnosis and treatment of childhood epilepsy?. **2023**,	0
388	Combined treatment with glucosamine and chondroitin sulfate improves rheumatoid arthritis in rats by regulating the gut microbiota. **2023**, 20,	0
387	An efficient continuous quorum quenching feed to mitigate membrane biofouling in membrane bioreactors: Strain 1A1 (extracellular) versus strain BH4 (intracellular). **2023**, 52, 103594	0

386	Timing matters: Sex differences in inflammatory and behavioral outcomes following repetitive blast mild traumatic brain injury. **2023**, 110, 222-236	○
385	Metabarcoding reveals response of rice rhizosphere bacterial community to rice bacterial leaf blight. **2023**, 270, 127344	○
384	Fecal microbiota transplantation affects the recovery of AD-skin lesions and enhances gut microbiota homeostasis. **2023**, 118, 110005	○
383	Multi-factor correlation analysis of the effect of root-promoting practices on tobacco rhizosphere microecology in growth stages. **2023**, 270, 127349	○
382	Deciphering community assembly and succession in sequencing batch moving bed biofilm reactor: Differentiation between attached and suspended communities. **2023**, 873, 162448	○
381	Unveiling the threshold values of organic and oxytetracycline loadings for nitrification recovery of a full-scale pharmaceutical wastewater treatment system. **2023**, 463, 142487	○
380	Ablation of CD226 on CD4+ T cells modulates asthma progress associated with altered IL-10 response and gut microbiota. **2023**, 118, 110051	○
379	Physicochemical and bacterial changes during composting of vegetable and animal-derived agro-industrial wastes. **2023**, 376, 128842	○
378	The role of inherited characteristics from parent materials in shaping bacterial communities in agricultural soils. **2023**, 433, 116455	○
377	Beneficial effects of arketamine on the reduced bone mineral density in susceptible mice after chronic social defeat stress: Role of the gut-microbiota-bone-brain axis. **2023**, 228, 109466	○
376	Fungal aerosols in rabbit breeding environment: Metagenetic insight into PM2.5 based on third-generation sequencing technology. **2023**, 224, 115480	○
375	Combining gamma-tocopherol and aspirin synergistically suppresses colitis-associated colon tumorigenesis and modulates the gut microbiota in mice, and inhibits the growth of human colon cancer cells. **2023**, 946, 175656	○
374	A joint role of iron oxide and temperature for methane production and methanogenic community in paddy soils. **2023**, 433, 116462	○
373	Insights into the responses of fungal taxonomy and function to different metal(loid) contamination levels. **2023**, 877, 162931	○
372	Changes in the gut microbiota of rats after exposure to the fungicide Mancozeb. **2023**, 466, 116480	○
371	Bacterial diversity and its correlation with sensory quality of two types of zha-chili from Shennongjia region, China. **2023**, 168, 112789	○
370	Heavy metal effects on multitrophic level microbial communities and insights for ecological restoration of an abandoned electroplating factory site. **2023**, 327, 121548	○
369	History of childhood physical abuse is associated with gut microbiota diversity among adult psychiatric inpatients. **2023**, 331, 50-56	○

368	Pollution caused by mining reshaped the structure and function of bacterial communities in China's largest ion-adsorption rare earth mine watershed. **2023**, 451, 131221	0
367	Investigation of therapeutic effects of rhubarb decoction retention enema on minimal hepatic encephalopathy in rats based on 16S rDNA gene sequencing and bile acid metabolomics. **2023**, 230, 115392	0
366	Shaoyao-Gancao-Tang regulates the T-helper-type 1/T-helper-type 2 ratio in the lung and gut and alters gut microbiota in rats with ovalbumin-induced asthma. **2023**, 309, 116300	0
365	Structure, stability, and potential function of groundwater microbial community responses to permafrost degradation on varying permafrost of the Qinghai-Tibet Plateau. **2023**, 875, 162693	0
364	Muscadine grape (vitis rotundifolia) and wine polyphenols alleviated arthritis and restored the gut microbial composition in mice. **2023**, 116, 109311	0
363	Community structures and biodeterioration processes of epilithic biofilms imply the significance of micro-environments. **2023**, 876, 162665	0
362	Depth and contaminant-shaped bacterial community structure and assembly at an aged chlorinated aliphatic hydrocarbon-contaminated site. **2023**, 452, 131220	0
361	Changes in soil bacterial communities and functional groups beneath coarse woody debris across a subalpine forest successional series. **2023**, 43, e02436	0
360	Abnormal compositions of gut microbiota and metabolites are associated with susceptibility versus resilience in rats to inescapable electric stress. **2023**, 331, 369-379	0
359	Depth-dependent effects of tree species identity on soil microbial community characteristics and multifunctionality. **2023**, 878, 162972	0
358	Dissolved organic matter defines microbial communities during initial soil formation after deglaciation. **2023**, 878, 163171	0
357	Mariculture affects antibiotic resistome and microbiome in the coastal environment. **2023**, 452, 131208	0
356	Weather factors, soil microbiome, and bacteria-fungi interactions as drivers of the epiphytic phyllosphere communities of romaine lettuce. **2023**, 113, 104260	0
355	Profiling bacterial communities and foodborne pathogens on food-associated surface following contact with raw beef, chicken and pork using 16S amplicon metagenomics. **2023**, 149, 109698	0
354	Composition and functional profiles of human faecal microbiota fermenting plant-based food particles are related to water-holding capacity more than particle size. **2023**, 141, 108714	0
353	Discover boy specific-biomarkers and reveal gender-related metabolic differences in central precocious puberty. **2023**, 231, 106305	0
352	Comparison of intestinal bacterial communities in asymptomatic and diseased Asian seabass (Lates calcarifer) with chronic enteritis and mixed bacterial infections. **2023**, 572, 739516	0
351	Altered gut bacterial–fungal interkingdom networks in children and adolescents with depression. **2023**, 332, 64-71	0

350	Alginate-inulin-chitosan based microspheres alter metabolic fate of encapsulated quercetin, promote short chain fatty acid production, and modulate pig gut microbiota. **2023**, 418, 135802	0
349	Shifts of soil archaeal nitrification and methanogenesis with elevation in water level fluctuation zone of the three Gorges Reservoir, China. **2023**, 339, 117871	0
348	Microbiome diversity from sponges biogeographically distributed between South America and Antarctica. **2023**, 163256	0
347	Dietary micro-fibrillated cellulose improves growth, reduces diarrhea, modulates gut microbiota, and increases butyrate production in post-weaning piglets. **2023**, 13,	0
346	A glance at the gut microbiota and the functional roles of the microbes based on marmot fecal samples. 14,	0
345	Metagenomic association analysis of cognitive impairment in community-dwelling older adults. **2023**, 180, 106081	0
344	Bacterial benz(a)anthracene catabolic networks in contaminated soils and their modulation by other co-occurring HMW-PAHs. **2023**, 328, 121624	0
343	Climate and geochemistry at different altitudes influence soil fungal community aggregation patterns in alpine grasslands. **2023**, 881, 163375	0
342	Longitudinal analysis of changes in the gut microbiota of zebrafish following acute spring viremia of carp virus infection. **2023**, 572, 739499	0
341	Gut microbiota links with cognitive impairment in amyotrophic lateral sclerosis: A multi-omics study. **2023**, 37, 125	0
340	Different types of land use influence soil physiochemical properties, the abundance of nitrifying bacteria, and microbial interactions in tropical urban soil. **2023**, 869, 161722	0
339	Convergent shifts in soil fungal communities associated with Fagaceae reforestation in the Southern Appalachian Mountains. **2023**, 531, 120805	0
338	Dietary genistein increases microbiota-derived short chain fatty acid levels, modulates homeostasis of the aging gut, and extends healthspan and lifespan. **2023**, 188, 106676	1
337	Microbial Communities on Samples of Commercially Available Fresh-Consumed Leafy Vegetables and Small Berries. **2023**, 9, 150	0
336	Fate, uptake and gut toxicity of two colloidal silver products in mice: how micro X-ray fluorescence, micro X-ray absorption spectroscopy and near-infrared spectroscopy provide new insights in food nanotoxicology. **2023**, 10, 902-921	0
335	Microbiological profile of peri-implantitis: Analyses of microbiome within dental implants.	1
334	A comparison of seasonal composition and structure of fish community between environmental DNA technology and gillnetting in the Pearl River Estuary, China. **2023**, 147, 109915	0
333	Short-term feeding of defatted bovine colostrum mitigates inflammation in the gut via changes in metabolites and microbiota in a chicken animal model. **2023**, 5,	0

332	Microbial food webs share similar biogeographic patterns and driving mechanisms with depths in oligotrophic tropical western Pacific Ocean. 14,	0
331	Pyrethroids exposure alters the community and function of the internal microbiota in Aedes albopictus. **2023**, 252, 114579	0
330	Microplastics affect soybean rhizosphere microbial composition and function during vegetative and reproductive stages. **2023**, 252, 114577	0
329	Gut microbiota-derived metabolites mediate the neuroprotective effect of melatonin in cognitive impairment induced by sleep deprivation. **2023**, 11,	0
328	The Molecular Effect of Wearing Silver-Threaded Clothing on the Human Skin. **2023**, 8,	0
327	Oral microbiome in older adults with mild cognitive impairment. **2023**, 15,	0
326	New insights into the microbial-driven metal reductive dissolution for enhanced phosphorus release from iron-rich sludge. **2023**, 392, 136290	0
325	Lasting consequences on physiology and social behavior following cesarean delivery in prairie voles. **2023**, 150, 105314	0
324	Levofloxacin induces differential effects in the transcriptome between the gut, peripheral and axial joints in the Spondyloarthritis DBA/1 mice: Improvement of intestinal dysbiosis and the overall inflammatory process. **2023**, 18, e0281265	0
323	The influence of maternal factors on the neonatal microbiome and health.	0
322	Multi-omics reveals that forage fiber promotes rumen development of pre-weaning calves compared to non-forage fiber.	0
321	A dark matter in sake brewing: Origin of microbes producing a Kimoto-style fermentation starter. 14,	0
320	Stenotrophomonas maltophilia promotes lung adenocarcinoma progression by upregulating histone deacetylase 5. 14,	0
319	Analysis of microbial diversity in the feces of Arborophila rufipectus. 13,	0
318	Ambient oxygen levels regulate intestinal dysbiosis and GVHD severity after allogeneic stem cell transplantation. **2023**, 56, 353-368.e6	0
317	Taxonomic difference in marine bloom-forming phytoplanktonic species affects dynamics of both bloom-responding prokaryotes and prokaryotic viruses.	0
316	MicrobiotaProcess: A comprehensive R package for deep mining microbiome. **2023**, 4, 100388	0
315	Pathogen-Specific Alterations in the Gut Microbiota Predict Outcomes in Flare of Inflammatory Bowel Disease Complicated by Gastrointestinal Infection. **2023**, 14, e00550	0

314	Altered Gut Microbiota Composition and Its Potential Association in Patients with Advanced Hepatocellular Carcinoma. **2023**, 30, 1818-1830	0
313	Effect of Tea Saponins on Rumen Microbiota and Rumen Function in Qinchuan Beef Cattle. **2023**, 11, 374	0
312	Autophagy controls mucus secretion from intestinal goblet cells by alleviating ER stress. **2023**, 31, 433-446.e4	2
311	Microbial density-dependent viral dynamics and low activity of temperate phages in the activated sludge process. **2023**, 232, 119709	0
310	Antarctic Ardley Island terrace An ideal place to study the marine to terrestrial succession of microbial communities. 14,	0
309	The effects of microbial fertilizer based Aspergillus brunneoviolaceus HZ23 on pakchoi growth, soil properties, rhizosphere bacterial community structure, and metabolites in newly reclaimed land. 14,	0
308	The Positive Effect of 6-Gingerol on High-Fat Diet and Streptozotocin-Induced Prediabetic Mice: Potential Pathways and Underlying Mechanisms. **2023**, 15, 824	0
307	Microbiota-derived acetate enhances host antiviral response via NLRP3. **2023**, 14,	1
306	Muc2-dependent microbial colonization of the jejunal mucus layer is diet sensitive and confers local resistance to enteric pathogen infection. **2023**, 42, 112084	0
305	Additive fungal interactions drive biocontrol of Fusarium wilt disease. **2023**, 238, 1198-1214	0
304	Shifts and importance of viable bacteria in treatment of DSS-induced ulcerative colitis mice with FMT. 13,	0
303	Growth Stages and Inter-Species Gut Microbiota Composition and Function in Captive Red Deer (Cervus elaphus alxaicus) and Blue Sheep (Pseudois nayaur). **2023**, 13, 553	0
302	Dysbiosis of the Subgingival Microbiome and Relation to Periodontal Disease in Association with Obesity and Overweight. **2023**, 15, 826	0
301	Comparative Analyses of Soil Bacterial Colonies of Two Types of Chinese Ginger after a Major Flood Disaster. **2023**, 11,	0
300	Gut microbiome and mycobiome in inflammatory bowel disease patients with Clostridioides difficile infection. 13,	0
299	The diarrheal mechanism of mice with a high-fat diet in a fatigued state is associated with intestinal mucosa microbiota. **2023**, 13,	0
298	Gut Microbiota and Metabolites may Play a Crucial Role in Sea Cucumber Apostichopus Japonicus Aestivation. **2023**, 11, 416	0
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295	Microplastic ingestion perturbs the microbiome of Aedes albopictus and Aedes aegypti.	0
294	Effects of levodopa on gut bacterial antibiotic resistance in Parkinson’s disease rat. 15,	0
293	Tolerance to intraoral biofilms and their effectiveness in improving mouth dryness and modifying oral microbiota in patients with primary Sjögren’s syndrome: “Predelfi study” 14,	0
292	Identification and characterization of the causative agents of Focal Ulcerative Dermatitis in commercial laying hens. 10,	0
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290	Patterns of free-living and particle-attached bacteria along environmental gradients in Lake Taihu.	0
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288	The dynamics of the microbiome in Ixodidae are shaped by tick ontogeny and pathogens in Sarawak, Malaysian Borneo. **2023**, 9,	0
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285	Simo decoction curing spleen deficiency constipation was associated with brain-bacteria-gut axis by intestinal mucosal microbiota. 14,	0
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283	Seasonal Changes in the Structure and Function of Gut Microbiota in the Muskrat (Ondatra zibethicus). **2023**, 13, 248	0
282	Dissecting the microbial community structure of internal organs during the early postmortem period in a murine corpse model. **2023**, 23,	0
281	Improvement in bioconversion efficiency and reduction of ammonia emission by introduction of fruit fermentation broth in a black soldier fly larvae and kitchen waste conversion system.	0
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276	Impact of aging on the immunological and microbial landscape of the lung during non-tuberculous mycobacterial infection.	0
275	Orientation-driven photosynthesized carbon belowground mediates intercropped peanut microbiota changes for pathogen resistance.	0
274	Comparative characterization of inflammatory profile and oral microbiome according to an inflammation-based risk score in ST-segment elevation myocardial infarction. 13,	0
273	Marine Fungi Select and Transport Aerobic and Anaerobic Bacterial Populations from Polycyclic Aromatic Hydrocarbon-Contaminated Sediments.	0
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265	Paraburkholderia sabiae administration alters zebrafish anxiety-like behavior via gut microbial taurine metabolism. 14,	0
264	Changes in the Rhizosphere Prokaryotic Community Structure of Halodule wrightii Monospecific Stands Associated to Submarine Groundwater Discharges in a Karstic Costal Area. **2023**, 11, 494	0
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252	Gut microbiota composition in patients with advanced malignancies experiencing immune-related adverse events. 14,	0
251	Comparative metagenomic analysis reveals rhizosphere microbial community composition and functions help protect grapevines against salt stress. 14,	0
250	Blueberry▯Mulberry Extract Alleviates Cognitive Impairment, Regulates Gut Metabolites, and Inhibits Inflammation in Aged Mice. **2023**, 12, 860	0
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245	Comparative Analysis of the Symbiotic Microbiota in the Chinese Mitten Crab (Eriocheir sinensis): Microbial Structure, Co-Occurrence Patterns, and Predictive Functions. **2023**, 11, 544	1
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235	Composition and biodiversity of soil and root-associated microbiome in Vitis vinifera cultivar Lambrusco distinguish the microbial terroir of the Lambrusco DOC protected designation of origin area on a local scale. 14,	0
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204	Disturbed rhythmicity of intestinal hydrogen peroxide alters gut microbial oscillations in BMAL1-deficient monkeys. **2023**, 42, 112183	○
203	Microbial community shift on artificial biological reef structures (ABRs) deployed in the South China Sea. **2023**, 13,	○
202	Spatiotemporal dynamics of benthic bacterial communities in the Perdido Fold Belt, Northwestern Gulf of Mexico. 10,	○
201	Global Meta-analysis of Urine Microbiome: Colonization of Polycyclic Aromatic Hydrocarbon-degrading Bacteria Among Bladder Cancer Patients. **2023**, 6, 190-203	○
200	Intestine microbiota and SCFAs response in naturally Cryptosporidium-infected plateau yaks. 13,	○
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195	Association Between Gut Microbiota and Delirium in Acutely Ill Older´Adults.	○
194	Fecal microbiota transplantation in Parkinson's disease A randomized repeat-dose, placebo-controlled clinical pilot study. 14,	○
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173	Effects of topical fluoride application on oral microbiota in young children with severe dental caries. 13,	0
172	Positive response of host root-associated bacterial community and soil nutrients to inhibitory parasitism of dodder.	0
171	Modulation of the rumen microbiome of dairy cows by inclusion of a live yeast supplement in a total mixed ration.	0

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161	Integrating microbiome and metabolome revealed microbe-metabolism interactions in the stomach of patients with different severity of peptic ulcer disease. 14,	0
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159	Exploring the growing forest musk deer (Moschus berezovskii) dietary protein requirement based on gut microbiome. 14,	0
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151	The tropical cookbook: Termite diet and phylogeneticsOver geographical originDrive the microbiome and functional genetic structure of nests. 14,	0
150	Trophic diversification and parasitic invasion as ecological niche modulators for gut microbiota of whitefish. 14,	0
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141	Oral microbiome variations related to ageing: possible implications beyond oral health. **2023**, 205,	0
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138	Prediction of Future Caries in 1-Year-Old Children via the Salivary Microbiome. 002203452311528	0
137	Diseased-induced multifaceted variations in community assembly and functions of plant-associated microbiomes. 14,	0
136	Fermented cottonseed and rapeseed meals outperform soybean meal in improving performance, rumen fermentation, and bacterial composition in Hu sheep. 14,	0
135	Characterization of Oral Microbiota Following Chemotherapy in Patients With Hematopoietic Malignancies. **2023**, 22, 153473542311593	0

134	Bioinformatic and Statistical Analysis of Microbiome Data. **2023**, 183-229	0
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132	The association between the composition of the early-life intestinal microbiome and eczema in the first year of life. 2,	0
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124	The Microbial Terroir of the Nemea Zone Agiorgitiko cv.: A First Metataxonomic Approach. **2023**, 2023, 1-18	0
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122	An impact of Wi-Fi irradiation on the gut microbiome of rats	0
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119	Effects of Eimeria acervulina infection on the luminal and mucosal microbiota of the duodenum and jejunum in broiler chickens. 14,	0
118	Improvement of energy metabolism associated with NUTRIOSE soluble fiber, a dietary ingredient exhibiting prebiotic properties, requires intestinal gluconeogenesis. **2023**, 167, 112723	0
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109	Multi-omics analysis detected multiple pathways by which pomegranate punicalagin exerts its biological effects in modulating host-microbiota interactions in murine colitis models.	0
108	Comparison of circulating bacterial profiles between mild and severe COVID-19 patients. 153537022311579	0
107	Oral Microbiome, Mental Health, and Sleep Outcomes During the COVID-19 Pandemic: An Observational Study in Chinese and Korean American Immigrants. **2023**, 27, 180-190	0
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105	Upper respiratory tract mycobiome alterations in different kinds of pulmonary disease. 14,	0
104	Temporal progression of anaerobic fungal communities in dairy calves from birth to maturity.	0
103	Bidirectional effects of oral anticoagulants on gut microbiota in patients with atrial fibrillation. 13,	0
102	Melatonin Alleviates Chronic Intermittent Hypoxia-induced Microbiota Dysbiosis and Attenuates Intestinal Barrier Dysfunction via STAT3/Th17 signalling pathway.	0
101	Comparison of the effects of probiotics, rifaximin, and lactulose in the treatment of minimal hepatic encephalopathy and gut microbiota. 14,	0
100	Microbially-derived indole-3-acetate alleviates diet induced steatosis and inflammation in mice.	0
99	Impact of High Salt-Intake on a Natural Gut Ecosystem in Wildling Mice. **2023**, 15, 1565	0

98	Three Species of Axenic Mosquito Larvae Recruit a Shared Core of Bacteria in a Common Garden Experiment.	0
97	Effect of fecal preservation method on captive southern white rhinoceros gut microbiome.	0
96	Emerging investigator series: differential effects of carbon nanotubes and graphene on the tomato rhizosphere microbiome.	0
95	Effects of Lumacaftor-Ivacaftor on Airway Microbiota-Mycobiota and Inflammation in Patients with Cystic Fibrosis Appear To Be Linked to Pseudomonas aeruginosa Chronic Colonization. **2023**, 11,	0
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92	The modulatory effects of gut microbes and metabolites on bloodBrain barrier integrity and brain function in sepsis-associated encephalopathy. 11, e15122	0
91	Gut content microbiota dysbiosis and dysregulated lipid metabolism in diarrhea caused by high-fat diet in a fatigued state.	0
90	Occupational exposure in swine farm defines human skin and nasal microbiota. 14,	0
89	Niche Modification by Sulfate-Reducing Bacteria Drives Microbial Community Assembly in Anoxic Marine Sediments.	0
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84	Gut Microbiota of Freshwater Gastropod (Bellamya aeruginosa) Assist the Adaptation of Host to Toxic Cyanobacterial Stress. **2023**, 15, 252	0
83	Mycobiome Study Reveals Different Pathogens of Vulvovaginal Candidiasis Shape Characteristic Vaginal Bacteriome.	0
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81	The microbiota in feces of domestic pigeons in Seoul, Korea. **2023**, 9, e14997	0

80	Reducing bias in microbiome research: Comparing methods from sample collection to sequencing. 14,	0
79	Dynamics of oral microbiome acquisition in healthy infants: A pilot study. 4,	0
78	Characteristics of microbiome-derived metabolomics according to the progression of alcoholic liver disease.	0
77	Oral microbiome correlates with selected clinical biomarkers in individuals with no significant systemic disease. 13,	0
76	Interrogating the Diversity of Vaginal, Endometrial, and Fecal Microbiomes in Healthy and Metritis Dairy Cattle. **2023**, 13, 1221	0
75	Bacterial detoxification of plant defence secondary metabolites mediates the interaction between a shrub and frugivorous birds. **2023**, 14,	0
74	Microbial diversity and community composition of fecal microbiota in dual-purpose and egg type ducks. 14,	0
73	Characterization of the Root-Associated Microbiome Provides Insights into Endemism ofThymusSpecies Growing in the Kazdagi National Park.	0
72	Enzymatic arabinose depletion of wheat arabinoxylan regulates in vitro fermentation profiles and potential microbial degraders. **2023**, 142, 108743	0
71	Deciphering the rhizosphere bacteriome associated with biological control of tobacco black shank disease. 14,	0
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