

CITATION REPORT

List of articles citing

Gut microbiome development along the colorectal adenoma-carcinoma sequence

DOI: 10.1038/ncomms7528

Nature Communications, 2015, 6, 6528.

Source: <https://exaly.com/paper-pdf/61829056/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
887	Sample storage conditions significantly influence faecal microbiome profiles. 2015 , 5, 16350		257
886	Factors Determining Colorectal Cancer: The Role of the Intestinal Microbiota. 2015 , 5, 220		57
885	Roles of Probiotics on Lifelong Diversifications of Gut Microbiota. 2015 , 245-263		
884	The oral and gut microbiomes are perturbed in rheumatoid arthritis and partly normalized after treatment. 2015 , 21, 895-905		849
883	Functional metabolomics: from biomarker discovery to metabolome reprogramming. 2015 , 6, 628-37		173
882	Treg(s) in Cancer: Friends or Foe?. 2015 , 230, 2598-605		74
881	Emerging cytokine networks in colorectal cancer. 2015 , 15, 615-29		230
880	Gut microbiota imbalance and colorectal cancer. 2016 , 22, 501-18		406
879	Tissue-Associated Bacterial Alterations in Rectal Carcinoma Patients Revealed by 16S rRNA Community Profiling. 2016 , 6, 179		76
878	Cytokine-Induced Modulation of Colorectal Cancer. 2016 , 6, 96		139
877	Colorectal Cancer and the Human Gut Microbiome: Reproducibility with Whole-Genome Shotgun Sequencing. 2016 , 11, e0155362		147
876	Effect of Dietary Fibers on Cecal Microbiota and Intestinal Tumorigenesis in Azoxymethane Treated A/J Min/+ Mice. 2016 , 11, e0155402		33
875	MicroRNA-20a in human faeces as a non-invasive biomarker for colorectal cancer. 2016 , 7, 1559-68		43
874	Metagenome-wide association studies: fine-mining the microbiome. 2016 , 14, 508-22		244
873	Invasive <i>Fusobacterium nucleatum</i> may play a role in the carcinogenesis of proximal colon cancer through the serrated neoplasia pathway. 2016 , 139, 1318-26		88
872	Mucosal adherent bacterial dysbiosis in patients with colorectal adenomas. 2016 , 6, 26337		101
871	The gut microbiota in conventional and serrated precursors of colorectal cancer. 2016 , 4, 69		109

870	Dietary and Lifestyle Factors Associated with Colorectal Cancer Risk and Interactions with Microbiota: Fiber, Red or Processed Meat and Alcoholic Drinks. 2016 , 3, 17-24	62
869	Shotgun Metagenomics of 250 Adult Twins Reveals Genetic and Environmental Impacts on the Gut Microbiome. 2016 , 3, 572-584.e3	172
868	The Human Intestinal Microbiome in Health and Disease. 2016 , 375, 2369-2379	1429
867	Host genetics is associated with the gut microbial community membership rather than the structure. 2016 , 12, 1676-86	8
866	Lipocalin 2 Protects from Inflammation and Tumorigenesis Associated with Gut Microbiota Alterations. 2016 , 19, 455-69	144
865	Alterations in fecal microbiota composition by probiotic supplementation in healthy adults: a systematic review of randomized controlled trials. 2016 , 8, 52	290
864	Reading the Underlying Information From Massive Metagenomic Sequencing Data. 2016 , 1-15	7
863	An overview of major metagenomic studies on human microbiomes in health and disease. 2016 , 4, 192-206	8
862	Das Mikrobiom bei chronischen Erkrankungen. 2016 , 12, 420-427	1
861	Differential fecal microbiota are retained in broiler chicken lines divergently selected for fatness traits. 2016 , 6, 37376	53
860	Leveraging premalignant biology for immune-based cancer prevention. 2016 , 113, 10750-8	44
859	Progress in Our Understanding of the Gut Microbiome: Implications for the Clinician. 2016 , 18, 49	8
858	Metagenomics and Single-Cell Omics Data Analysis for Human Microbiome Research. 2016 , 939, 117-137	2
857	Role of Fusobacteria in the serrated pathway of colorectal carcinogenesis. 2016 , 6, 25271	46
856	Unique Features of Ethnic Mongolian Gut Microbiome revealed by metagenomic analysis. 2016 , 6, 34826	47
855	[How some commensal bacteria would exacerbate colorectal carcinogenesis?]. 2016 , 32, 175-82	4
854	Microbiota-based model improves the sensitivity of fecal immunochemical test for detecting colonic lesions. 2016 , 8, 37	169
853	Targeting colorectal cancer-associated bacteria: A new area of research for personalized treatments. 2016 , 7, 329-333	14

852	Probiotics, prebiotics and colorectal cancer prevention. 2016 , 30, 119-31	125
851	Manipulation of the gut microbiota using resistant starch is associated with protection against colitis-associated colorectal cancer in rats. 2016 , 37, 366-375	94
850	Intestinal microbiota: From sequencing to function. 2016 , 306, 255-256	1
849	Cervical Microbiota Associated with Higher Grade Cervical Intraepithelial Neoplasia in Women Infected with High-Risk Human Papillomaviruses. 2016 , 9, 357-66	66
848	The gut microbiome of healthy Japanese and its microbial and functional uniqueness. 2016 , 23, 125-33	226
847	Epidemiologic studies of the human microbiome and cancer. 2016 , 114, 237-42	118
846	Metagenomic analysis of faecal microbiome as a tool towards targeted non-invasive biomarkers for colorectal cancer. 2017 , 66, 70-78	488
845	Gut microbiota and colorectal cancer. 2017 , 36, 757-769	106
844	Gut microbiota dysbiosis contributes to the development of hypertension. 2017 , 5, 14	652
843	Peptostreptococcus anaerobius Induces Intracellular Cholesterol Biosynthesis in Colon Cells to Induce Proliferation and Causes Dysplasia in Mice. 2017 , 152, 1419-1433.e5	172
842	Inference of Environmental Factor-Microbe and Microbe-Microbe Associations from Metagenomic Data Using a Hierarchical Bayesian Statistical Model. 2017 , 4, 129-137.e5	26
841	Carcinogenesis and therapeutics: the microbiota perspective. 2017 , 2, 17008	73
840	Meta-analysis of the human gut microbiome from urbanized and pre-agricultural populations. 2017 , 19, 1379-1390	83
839	Faecal microbiota transplantation protects against radiation-induced toxicity. 2017 , 9, 448-461	114
838	Quantitation of faecal improves faecal immunochemical test in detecting advanced colorectal neoplasia. 2017 , 66, 1441-1448	143
837	Functional relevance of microbiome signatures: The correlation era requires tools for consolidation. 2017 , 139, 1092-1098	17
836	Lipidomic profiling reveals distinct differences in plasma lipid composition in healthy, prediabetic, and type 2 diabetic individuals. 2017 , 6, 1-12	28
835	Expanding Diversity and Common Goal of Regulatory T and B Cells. II: In Allergy, Malignancy, and Transplantation. 2017 , 65, 523-535	3

834	Fusobacterium and colorectal cancer: causal factor or passenger? Results from a large colorectal cancer screening study. 2017 , 38, 781-788	74
833	Gut microbiome and serum metabolome alterations in obesity and after weight-loss intervention. 2017 , 23, 859-868	627
832	Characterization of the B Cell Receptor Repertoire in the Intestinal Mucosa and of Tumor-Infiltrating Lymphocytes in Colorectal Adenoma and Carcinoma. 2017 , 198, 3719-3728	25
831	The Human Microbiota in Health and Disease. 2017 , 3, 71-82	351
830	Non-alcoholic fatty liver disease and its relationship with cardiovascular disease and other extrahepatic diseases. 2017 , 66, 1138-1153	508
829	Comparison of Collection Methods for Fecal Samples in Microbiome Studies. 2017 , 185, 115-123	74
828	Further analysis reveals new gut microbiome markers of type 2 diabetes mellitus. 2017 , 110, 445-453	21
827	Less Invasive Screening for Colorectal Cancer by Microbiota Analysis: Is it a Reality or an Illusion?. 2017 , 25, 5-6	
826	Microbiome, inflammation and colorectal cancer. 2017 , 32, 43-53	134
825	Human microbiome signatures of differential colorectal cancer drug metabolism. 2017 , 3, 27	69
824	Human Intestinal Microbiota and Colorectal Cancer: Moving Beyond Associative Studies. 2017 , 153, 1475-1478	12
823	Ginsenosides Rb3 and Rd reduce polyps formation while reinstate the dysbiotic gut microbiota and the intestinal microenvironment in Apc mice. 2017 , 7, 12552	41
822	The gut microbiome in atherosclerotic cardiovascular disease. <i>Nature Communications</i> , 2017 , 8, 845	17.4 575
821	The microbiota continuum along the female reproductive tract and its relation to uterine-related diseases. <i>Nature Communications</i> , 2017 , 8, 875	17.4 308
820	Taxonomic structure and functional association of foxtail millet root microbiome. 2017 , 6, 1-12	1155
819	Dysbiosis signature of mycobiota in colon polyp and colorectal cancer. 2017 , 36, 2457-2468	44
818	Microbiota dysbiosis in select human cancers: Evidence of association and causality. 2017 , 32, 25-34	92
817	Gavage of Fecal Samples From Patients With Colorectal Cancer Promotes Intestinal Carcinogenesis in Germ-Free and Conventional Mice. 2017 , 153, 1621-1633.e6	274

816	Luminally expressed gastrointestinal biomarkers. 2017 , 11, 1119-1134	10
815	Novel insights into microbiome in colitis and colorectal cancer. 2017 , 33, 422-427	53
814	The role of intestinal bacteria in the development and progression of gastrointestinal tract neoplasms. 2017 , 26, 368-376	41
813	The human microbiome. 2017 , 62, 414-420	95
812	Association Between Gut Microbiota and Bone Health: Potential Mechanisms and Prospective. 2017 , 102, 3635-3646	61
811	Novel approaches to early detection of endometrial cancer. 2017 , 29, 40-46	10
810	Diet, Gut Microbiota, and Colorectal Cancer Prevention: A Review of Potential Mechanisms and Promising Targets for Future Research. 2017 , 13, 429-439	25
809	Influence of Bile Acids on Colorectal Cancer Risk: Potential Mechanisms Mediated by Diet - Gut Microbiota Interactions. 2017 , 6, 315-322	58
808	Microbiota as a mediator of cancer progression and therapy. 2017 , 179, 139-154	41
807	Evolutionary biologic changes of gut microbiota in an 'adenoma-carcinoma sequence' mouse colorectal cancer model induced by 1, 2-Dimethylhydrazine. 2017 , 8, 444-457	30
806	Colorectal Carcinoma: A General Overview and Future Perspectives in Colorectal Cancer. 2017 , 18,	496
805	Alterations of the Gut Microbiome in Hypertension. 2017 , 7, 381	178
804	Geography, Ethnicity or Subsistence-Specific Variations in Human Microbiome Composition and Diversity. 2017 , 8, 1162	400
803	Feed-additive probiotics accelerate yet antibiotics delay intestinal microbiota maturation in broiler chicken. 2017 , 5, 91	104
802	Normalization of the microbiota in patients after treatment for colonic lesions. 2017 , 5, 150	37
801	's link to colorectal neoplasia sequenced: A systematic review and future insights. 2017 , 23, 8626-8650	38
800	Dysbiosis of gut microbiota in promoting the development of colorectal cancer. 2018 , 6, 1-12	110
799	ROS and trehalose regulate sclerotial development in <i>Rhizoctonia solani</i> AG-1 IA. 2018 , 122, 322-332	11

798	Effects of Prebiotic Fiber Xylooligosaccharide in Adenine-Induced Nephropathy in Mice. 2018 , 62, e1800014	31
797	Disruptions in gut microbial-host co-metabolism and the development of metabolic disorders. 2018 , 132, 791-811	23
796	Food, microbiome and colorectal cancer. 2018 , 50, 647-652	33
795	Gut-dependent microbial translocation induces inflammation and cardiovascular events after ST-elevation myocardial infarction. 2018 , 6, 66	100
794	The Intestinal Microbiota in Colorectal Cancer. 2018 , 33, 954-964	314
793	Crosstalk between gut microbiota and Sirtuin-3 in colonic inflammation and tumorigenesis. 2018 , 50, 1-11	28
792	Potential of Lactobacillus plantarum ZDY2013 and Bifidobacterium bifidum WBIN03 in relieving colitis by gut microbiota, immune, and anti-oxidative stress. 2018 , 64, 327-337	38
791	Deterioration-Associated Microbiome of Stone Monuments: Structure, Variation, and Assembly. 2018 , 84,	34
790	Age-associated microbiome shows the giant panda lives on hemicelluloses, not on cellulose. 2018 , 12, 1319-1328	39
789	Comparative Metagenomics. 2018 , 1704, 243-260	2
788	[Gut microbiota: What impact on colorectal carcinogenesis and treatment?]. 2018 , 105, 70-80	10
787	Gamma-aminobutyric Acid Enriched Rice Bran Diet Attenuates Insulin Resistance and Balances Energy Expenditure via Modification of Gut Microbiota and Short-Chain Fatty Acids. 2018 , 66, 881-890	37
786	Dietary Factors Modulate Colonic Tumorigenesis Through the Interaction of Gut Microbiota and Host Chloride Channels. 2018 , 62, 1700554	18
785	Dynamics of metatranscription in the inflammatory bowel disease gut microbiome. 2018 , 3, 337-346	249
784	Alterations in Enteric Virome Are Associated With Colorectal Cancer and Survival Outcomes. 2018 , 155, 529-541.e5	132
783	Systematic review: Gut microbiota in fecal samples and detection of colorectal neoplasms. 2018 , 9, 293-307	20
782	Gut microbiota and hypertension: From pathogenesis to new therapeutic strategies. 2018 , 42, 110-117	32
781	Mucosa-associated microbiota dysbiosis in colitis associated cancer. 2018 , 9, 131-142	83

780	The Role of Gut Microbiome in the Pathogenesis of Prostate Cancer: A Prospective, Pilot Study. 2018 , 111, 122-128	81
779	Dietary components that counteract the increased risk of colorectal cancer related to red meat consumption. 2018 , 69, 536-548	14
778	Gut Microbiome-Induced Shift of Acetate to Butyrate Positively Manages Dysbiosis in High Fat Diet. 2018 , 62, 1700670	42
777	Gut microbiome: a new player in gastrointestinal disease. 2018 , 472, 159-172	47
776	Antibiotic resistome in a large-scale healthy human gut microbiota deciphered by metagenomic and network analyses. 2018 , 20, 355-368	78
775	Involvement of shared mucosal-associated microbiota in the duodenum and rectum in diarrhea-predominant irritable bowel syndrome. 2018 , 33, 1220-1226	21
774	Microbiome. 2018 , 99-128	
773	Gut microbiota as important modulator of metabolism in health and disease.. 2018 , 8, 42380-42389	42
772	Changes in feeding habits promoted the differentiation of the composition and function of gut microbiotas between domestic dogs (<i>Canis lupus familiaris</i>) and gray wolves (<i>Canis lupus</i>). 2018 , 8, 123	19
771	Cow-to-mouse fecal transplantations suggest intestinal microbiome as one cause of mastitis. 2018 , 6, 200	38
770	Re-purposing 16S rRNA gene sequence data from within case paired tumor biopsy and tumor-adjacent biopsy or fecal samples to identify microbial markers for colorectal cancer. 2018 , 13, e0207002	17
769	The Probiotic Effectiveness in Preventing Experimental Colitis Is Correlated With Host Gut Microbiota. 2018 , 9, 2675	12
768	Mining the Microbiome for Drug Targets. 2018 , 610, 59-72	
767	Gut Microbiota as a Prospective Therapeutic Target for Curcumin: A Review of Mutual Influence. 2018 , 2018, 1367984	43
766	The Human Gut Virome in Hypertension. 2018 , 9, 3150	24
765	Association between Cardiovascular Risk and Diabetes with Colorectal Neoplasia: A Site-Specific Analysis. 2018 , 7,	5
764	Activated ATF6 Induces Intestinal Dysbiosis and Innate Immune Response to Promote Colorectal Tumorigenesis. 2018 , 155, 1539-1552.e12	51
763	Pathogenic functions of host microbiota. 2018 , 6, 174	37

762	The Dynamic Changes of Gut Microbiota in Deficient Mice. 2018 , 19,	52
761	Gut Microbiota and Iron: The Crucial Actors in Health and Disease. 2018 , 11,	94
760	Insights Into the Relationship Between Gut Microbiota and Colorectal Cancer. 2018 , 14, 251-265	1
759	Antiproliferative Effects of Alkaloid Evodiamine and Its Derivatives. 2018 , 19,	23
758	Precision medicine beyond medical oncology: using molecular analysis to guide treatments of colorectal neoplasia. 2018 , 12, 1179-1181	3
757	Detection of Colorectal Carcinoma Based on Microbiota Analysis Using Generalized Regression Neural Networks and Nonlinear Feature Selection. 2020 , 17, 547-557	4
756	Changes in gut microbiota and plasma inflammatory factors across the stages of colorectal tumorigenesis: a case-control study. 2018 , 18, 92	28
755	Probiotic Species in the Modulation of Gut Microbiota: An Overview. 2018 , 2018, 9478630	267
754	Metagenomics Biomarkers Selected for Prediction of Three Different Diseases in Chinese Population. 2018 , 2018, 2936257	12
753	Microbiome and Diseases: Colorectal Cancer. 2018 , 231-249	2
752	Breast cancer in postmenopausal women is associated with an altered gut metagenome. 2018 , 6, 136	81
751	A metagenomic study of the gut microbiome in Behcet's disease. 2018 , 6, 135	103
750	Association between and colorectal cancer: Progress and future directions. 2018 , 9, 1652-1659	40
749	Association Between Gut Microbiota and CD4 Recovery in HIV-1 Infected Patients. 2018 , 9, 1451	56
748	Comparison of Microbiota in Patients Treated by Surgery or Chemotherapy by 16S rRNA Sequencing Reveals Potential Biomarkers for Colorectal Cancer Therapy. 2018 , 9, 1607	47
747	Identifying Sequences for Microbial Communities Using Long -mer Sequence Signatures. 2018 , 9, 872	7
746	Shifts of Faecal Microbiota During Sporadic Colorectal Carcinogenesis. 2018 , 8, 10329	39
745	Fecal Microbiota and Screening for Colorectal Cancer. 2018 , 64, 1273-1274	3

744	Stool Microbiota Composition Differs in Patients with Stomach, Colon, and Rectal Neoplasms. 2018 , 63, 2950-2958	37
743	Saturated long-chain fatty acid-producing bacteria contribute to enhanced colonic motility in rats. 2018 , 6, 107	46
742	Microbial markers in colorectal cancer detection and/or prognosis. 2018 , 24, 2327-2347	53
741	Multi-cohort analysis of colorectal cancer metagenome identified altered bacteria across populations and universal bacterial markers. 2018 , 6, 70	165
740	Green Tea Liquid Consumption Alters the Human Intestinal and Oral Microbiome. 2018 , 62, e1800178	68
739	Intestinal microbiota, chronic inflammation, and colorectal cancer. 2018 , 16, 338-345	54
738	The association between fecal microbiota and different types of colorectal polyp as precursors of colorectal cancer. 2018 , 124, 244-249	55
737	Taxonomy-aware feature engineering for microbiome classification. 2018 , 19, 227	32
736	Establishment of a <i>Macaca fascicularis</i> gut microbiome gene catalog and comparison with the human, pig, and mouse gut microbiomes. 2018 , 7,	27
735	Recent progress in therapeutic antibodies for cancer immunotherapy. 2018 , 44, 56-65	19
734	Characterization of the fecal and mucosa-associated microbiota in dogs with colorectal epithelial tumors. 2018 , 13, e0198342	14
733	Gut microbiome analysis as a tool towards targeted non-invasive biomarkers for early hepatocellular carcinoma. 2019 , 68, 1014-1023	246
732	Clinical applications of gut microbiota in cancer biology. 2019 , 55, 28-36	52
731	Batch effects correction for microbiome data with Dirichlet-multinomial regression. 2019 , 35, 807-814	9
730	The Oral Mouse Microbiome Promotes Tumorigenesis in Oral Squamous Cell Carcinoma. 2019 , 4,	29
729	The commensal <i>Escherichia coli</i> CEC15 reinforces intestinal defences in gnotobiotic mice and is protective in a chronic colitis mouse model. 2019 , 9, 11431	6
728	Gut Microbiota Analysis in Postoperative Lynch Syndrome Patients. 2019 , 10, 1746	12
727	<i>Fusobacterium nucleatum</i> tumor DNA levels are associated with survival in colorectal cancer patients. 2019 , 38, 1891-1899	22

726	Editing of the gut microbiota reduces carcinogenesis in mouse models of colitis-associated colorectal cancer. 2019 , 216, 2378-2393	50
725	Clustering co-abundant genes identifies components of the gut microbiome that are reproducibly associated with colorectal cancer and inflammatory bowel disease. 2019 , 7, 110	17
724	Can Targeting Non-Contiguous V-Regions With Paired-End Sequencing Improve 16S rRNA-Based Taxonomic Resolution of Microbiomes?: An Evaluation. 2019 , 10, 653	4
723	Smoking and microbiome in oral, airway, gut and some systemic diseases. 2019 , 17, 225	89
722	Crypt- and Mucosa-Associated Core Microbiotas in Humans and Their Alteration in Colon Cancer Patients. 2019 , 10,	50
721	TADA: phylogenetic augmentation of microbiome samples enhances phenotype classification. 2019 , 35, i31-i40	4
720	Roles of exosomes in metastatic colorectal cancer. 2019 , 317, C869-C880	16
719	Dose Effects of Orally Administered Suspension on Colonic Microbiota in Healthy Mice. 2019 , 9, 243	19
718	Enterotype-based Analysis of Gut Microbiota along the Conventional Adenoma-Carcinoma Colorectal Cancer Pathway. 2019 , 9, 10923	19
717	Genomics and metagenomics of colorectal cancer. 2019 , 10, 1164-1170	17
716	Alterations in the human gut microbiome associated with <i>Helicobacter pylori</i> infection. 2019 , 9, 1552-1560	18
715	Different dietary fibre sources and risks of colorectal cancer and adenoma: a dose-response meta-analysis of prospective studies. 2019 , 122, 605-615	13
714	The <i>Prevotella copri</i> Complex Comprises Four Distinct Clades Underrepresented in Westernized Populations. 2019 , 26, 666-679.e7	141
713	Infection Aggravates Dysbiosis of Gut Microbiome in Children With Gastritis. 2019 , 9, 375	22
712	Lower Circulating Branched-Chain Amino Acid Concentrations Among Vegetarians are Associated with Changes in Gut Microbial Composition and Function. 2019 , 63, e1900612	19
711	Intestinal microbiota and colorectal carcinoma: Implications for pathogenesis, diagnosis, and therapy. 2019 , 48, 648-655	30
710	Differential selection pressure exerted by root rot disease on the microbial communities in the rhizosphere of avocado (<i>Persea americana</i> Mill.). 2019 , 175, 376-387	5
709	Targeting Programmed Fap2 for Colorectal Cancer Therapy. 2019 , 11,	19

708	Altered Fecal Small RNA Profiles in Colorectal Cancer Reflect Gut Microbiome Composition in Stool Samples. 2019 , 4,	31
707	A Reasonable Diet Promotes Balance of Intestinal Microbiota: Prevention of Precolorectal Cancer. 2019 , 2019, 3405278	17
706	Mushroom polysaccharides and jiaogulan saponins exert cancer preventive effects by shaping the gut microbiota and microenvironment in Apc mice. 2019 , 148, 104448	25
705	Baseline human gut microbiota profile in healthy people and standard reporting template. 2019 , 14, e0206484	59
704	Current and Future Horizons of Patient-Derived Xenograft Models in Colorectal Cancer Translational Research. 2019 , 11,	20
703	An Integrated Approach for Efficient Multi-Omics Joint Analysis. 2019 , 2019, 619-625	1
702	Gut microbiota in colorectal cancer: mechanisms of action and clinical applications. 2019 , 16, 690-704	276
701	Taxonomic profiling and populational patterns of bacterial bile salt hydrolase (BSH) genes based on worldwide human gut microbiome. 2019 , 7, 9	107
700	Microbiome and colorectal cancer: Roles in carcinogenesis and clinical potential. 2019 , 69, 93-106	101
699	A Novel View of Human Infections: Interplay between Microbiota and Beta-Defensins. 2019 , 9,	30
698	Yeast fermentate prebiotic improves intestinal barrier integrity during heat stress by modulation of the gut microbiota in rats. 2019 , 127, 1192-1206	15
697	Metagenomic and metabolomic analyses reveal distinct stage-specific phenotypes of the gut microbiota in colorectal cancer. 2019 , 25, 968-976	328
696	The Microbiome in the Prostate: Prostatitis and Prostate Cancer. 2019 , 125-135	
695	Disordered gut microbiota and alterations in metabolic patterns are associated with atrial fibrillation. 2019 , 8,	47
694	Moderate alteration to gut microbiota brought by colorectal adenoma resection. 2019 , 34, 1758-1765	3
693	The presence of bacteria varies between colorectal adenocarcinomas, precursor lesions and non-malignant tissue. 2019 , 19, 399	35
692	A Metagenomic Meta-analysis Reveals Functional Signatures of Health and Disease in the Human Gut Microbiome. 2019 , 4,	70
691	Haem iron reshapes colonic luminal environment: impact on mucosal homeostasis and microbiome through aldehyde formation. 2019 , 7, 72	23

690	Reduction of faecal immunochemical test false-positive results using a signature based on faecal bacterial markers. 2019 , 49, 1410-1420	8
689	Metaproteomics of fecal samples of Crohn's disease and Ulcerative Colitis. 2019 , 201, 93-103	24
688	Gut microbiome meta-analysis reveals dysbiosis is independent of body mass index in predicting risk of obesity-associated CRC. 2019 , 6, e000247	15
687	Differential Responses of Colorectal Cancer Cell Lines to Strains Isolated from Healthy Donors and Colorectal Cancer Patients. 2019 , 8,	21
686	Microbial abundance, activity and population genomic profiling with mOTUs2. <i>Nature Communications</i> , 2019 , 10, 1014	17.4 134
685	Major Traditional Probiotics: Comparative Genomic Analyses and Roles in Gut Microbiome of Eight Cohorts. 2019 , 10, 712	7
684	Extreme value analysis of gut microbial alterations in colorectal cancer. 2019 , 99, 032413	
683	The malignant role of exosomes in the communication among colorectal cancer cell, macrophage and microbiome. 2019 , 40, 601-610	16
682	New insights from uncultivated genomes of the global human gut microbiome. 2019 , 568, 505-510	275
681	Metagenomic analysis of colorectal cancer datasets identifies cross-cohort microbial diagnostic signatures and a link with choline degradation. 2019 , 25, 667-678	289
680	Meta-analysis of fecal metagenomes reveals global microbial signatures that are specific for colorectal cancer. 2019 , 25, 679-689	353
679	Inferring Bacterial Infiltration in Primary Colorectal Tumors From Host Whole Genome Sequencing Data. 2019 , 10, 213	7
678	TLR4 May Be Involved in the Regulation of Colonic Mucosal Microbiota by Vitamin A. 2019 , 10, 268	23
677	Taxonomic Distribution of FosB in Human-Microbiota and Activity Comparison of Fosfomycin Resistance. 2019 , 10, 200	5
676	Ruminal metagenomic analyses of goat data reveals potential functional microbiota by supplementation with essential oil-cobalt complexes. 2019 , 19, 30	9
675	Impact of the gut microbiome on the genome and epigenome of colon epithelial cells: contributions to colorectal cancer development. 2019 , 11, 11	79
674	Amelioration of Growth Performance, Lipid Accumulation, and Intestinal Health in Mice by a Cooked Mixture of Lean Meat and Resistant Starch. 2019 , 63, e1801364	11
673	Deciphering the Colorectal Cancer Gut Microbiota: Association vs. Causality. 2019 , 15, 70-77	4

672	The Therapeutic Potential of the Yin-Yang Garden in Our Gut. 2019 ,	1
671	Characteristics of fecal gut microbiota in patients with colorectal cancer at different stages and different sites. 2019 , 18, 4834-4844	18
670	OHMI: the ontology of host-microbiome interactions. 2019 , 10, 25	4
669	Gut Bacteria and their Metabolites: Which One Is the Defendant for Colorectal Cancer?. 2019 , 7,	14
668	Characteristics of the gut microbiota in professional martial arts athletes: A comparison between different competition levels. 2019 , 14, e0226240	9
667	Environmental Factors, Gut Microbiota, and Colorectal Cancer Prevention. 2019 , 17, 275-289	89
666	Alterations in gut microbiota composition and metabolic parameters after dietary intervention with barley beta glucans in patients with high risk for metabolic syndrome development. 2019 , 55, 67-77	39
665	Alterations in the gut microbiota and metabolite profiles of thyroid carcinoma patients. 2019 , 144, 2728-2745	27
664	The gut microbiome of Mexican children affected by obesity. 2019 , 55, 11-23	34
663	Single probiotic supplement suppresses colitis-associated colorectal tumorigenesis by modulating inflammatory development and microbial homeostasis. 2019 , 34, 1182-1192	15
662	Natural polysaccharides exhibit anti-tumor activity by targeting gut microbiota. 2019 , 121, 743-751	66
661	Gut microbiota in patients after surgical treatment for colorectal cancer. 2019 , 21, 772-783	11
660	Fusobacterium nucleatum - symbiont, opportunist and oncobacterium. 2019 , 17, 156-166	304
659	Association of Obesity With Risk of Early-Onset Colorectal Cancer Among Women. 2019 , 5, 37-44	157
658	Intestinal microorganisms involved in colorectal cancer complicated with dyslipidosis. 2019 , 20, 81-89	21
657	Fecal Microbiota Differences According to the Risk of Advanced Colorectal Neoplasms. 2019 , 53, 197-203	4
656	Influence of the Gut Microbiome, Diet, and Environment on Risk of Colorectal Cancer. 2020 , 158, 322-340	159
655	The gut microbiota at the intersection of bile acids and intestinal carcinogenesis: An old story, yet mesmerizing. 2020 , 146, 1780-1790	41

654	Altered gut microbiome composition in patients with Vogt-Koyanagi-Harada disease. 2020 , 11, 539-555	30
653	Colon Cancer Prevention with Walnuts: A Longitudinal Study in Mice from the Perspective of a Gut Enterotype-like Cluster. 2020 , 13, 15-24	1
652	Duration and Life-Stage of Antibiotic Use and Risks of All-Cause and Cause-Specific Mortality: Prospective Cohort Study. 2020 , 126, 364-373	6
651	Toxigenic gut bacteria, diet and colon carcinogenesis. 2020 , 50, 418-433	2
650	Mechanism of colorectal carcinogenesis triggered by heme iron from red meat. 2020 , 1873, 188334	29
649	Population Genetics in the Human Microbiome. 2020 , 36, 53-67	38
648	Association between dietary intake and the prevalence of tumourigenic bacteria in the gut microbiota of middle-aged Japanese adults. 2020 , 10, 15221	11
647	Clinically adaptable polymer enables simultaneous spatial analysis of colonic tissues and biofilms. 2020 , 6, 33	4
646	DJ-1 (Park7) affects the gut microbiome, metabolites and the development of innate lymphoid cells (ILCs). 2020 , 10, 16131	3
645	Progress in Research on Colorectal Cancer-Related Microorganisms and Metabolites. 2020 , 12, 8703-8720	6
644	Parvimonas micra as a putative non-invasive faecal biomarker for colorectal cancer. 2020 , 10, 15250	12
643	Resistant starch slows the progression of CKD in the 5/6 nephrectomy mouse model. 2020 , 8, e14610	9
642	Multicenter assessment of microbial community profiling using 16S rRNA gene sequencing and shotgun metagenomic sequencing. 2020 , 26, 111-121	17
641	Assessment of fecal DNA extraction protocols for metagenomic studies. 2020 , 9,	11
640	Human Gut Microbiome-Based Knowledgebase as a Biomarker Screening Tool to Improve the Predicted Probability for Colorectal Cancer. 2020 , 11, 596027	3
639	Analysis of the vaginal microbiome of giant pandas using metagenomics sequencing. 2020 , 9, e1131	6
638	: the missing link for the cancer-preventive effect of. 2021 , 13, 1847629	11
637	The Intestinal Microbiota and Colorectal Cancer. 2020 , 11, 615056	60

636	Gut Microbiota and Colorectal Cancer Development: A Closer Look to the Adenoma-Carcinoma Sequence. 2020 , 8,	16
635	Succession of Bifidobacterium longum Strains in Response to a Changing Early Life Nutritional Environment Reveals Dietary Substrate Adaptations. 2020 , 23, 101368	11
634	The Human Microbiome in Relation to Cancer Risk: A Systematic Review of Epidemiologic Studies. 2020 , 29, 1856-1868	17
633	Dissection of Interaction Kinetics through Single-Molecule Interaction Simulation. 2020 , 92, 11582-11589	1
632	Gut Microbiota Manipulation as a Tool for Colorectal Cancer Management: Recent Advances in Its Use for Therapeutic Purposes. 2020 , 21,	17
631	Holo-Omics: Integrated Host-Microbiota Multi-omics for Basic and Applied Biological Research. 2020 , 23, 101414	27
630	An ambient temperature collection and stabilization strategy for canine microbiota studies. 2020 , 10, 13383	3
629	Gene-Diet Interactions in Colorectal Cancer: Survey Design, Instruments, Participants and Descriptive Data of a Case-Control Study in the Basque Country. 2020 , 12,	1
628	S224 Presents a Catalytic Trade-off in PLP-Dependent l-Lanthionine Synthase from. 2020 , 59, 4250-4261	2
627	Genome sequence of segmented filamentous bacteria present in the human intestine. 2020 , 3, 485	11
626	Gut Microbiota-Mediated Inflammation and Gut Permeability in Patients with Obesity and Colorectal Cancer. 2020 , 21,	24
625	Oral and Fecal Microbiota in Lynch Syndrome. 2020 , 9,	5
624	Influence of Iron on the Gut Microbiota in Colorectal Cancer. 2020 , 12,	9
623	A structurally unique Fusobacterium nucleatum tannase provides detoxicant activity against gallotannins and pathogen resistance. 2020 ,	2
622	Resolving the Paradox of Colon Cancer Through the Integration of Genetics, Immunology, and the Microbiota. 2020 , 11, 600886	11
621	BRAF mutation impinges on gut microbial markers defining novel biomarkers for serrated colorectal cancer effective therapies. 2020 , 39, 285	4
620	Bacterial O-GlcNAcase genes abundance decreases in ulcerative colitis patients and its administration ameliorates colitis in mice. 2021 , 70, 1872-1883	7
619	Microbiome Analysis from Paired Mucosal and Fecal Samples of a Colorectal Cancer Biobank. 2020 , 12,	4

618	The Limits and Avoidance of Biases in Metagenomic Analyses of Human Fecal Microbiota. 2020 , 8,	2
617	Omics technologies for improved diagnosis and treatment of colorectal cancer: Technical advancement and major perspectives. 2020 , 131, 110648	17
616	Gut microbiome profiling of a rural and urban South African cohort reveals biomarkers of a population in lifestyle transition. 2020 , 20, 330	7
615	Integrative Analysis of Fecal Metagenomics and Metabolomics in Colorectal Cancer. 2020 , 12,	19
614	Integrative metagenomic and metabolomic analyses reveal severity-specific signatures of gut microbiota in chronic kidney disease. 2020 , 10, 5398-5411	28
613	Host DNA contents in fecal metagenomics as a biomarker for intestinal diseases and effective treatment. 2020 , 21, 348	6
612	Adaptogenic flower buds exert cancer preventive effects by enhancing the SCFA-producers, strengthening the epithelial tight junction complex and immune responses. 2020 , 159, 104809	16
611	New Insights into Molecular Links Between Microbiota and Gastrointestinal Cancers: A Literature Review. 2020 , 21,	15
610	Kuijieling, a Chinese medicine alleviates DSS-induced colitis in C57BL/6Jmouse by improving the diversity and function of gut microbiota. 2020 , 367,	4
609	Alterations of gut microbiome accelerate multiple myeloma progression by increasing the relative abundances of nitrogen-recycling bacteria. 2020 , 8, 74	24
608	Gut Microbiota-Based Algorithms in the Prediction of Metachronous Adenoma in Colorectal Cancer Patients Following Surgery. 2020 , 11, 1106	6
607	Lessons from Hippocrates: Time to Change the Cancer Paradigm. 2020 , 2020, 4715426	4
606	The Role of the Gut Microbiome in Colorectal Cancer Development and Therapy Response. 2020 , 12,	76
605	Gut microbiota modulation: a novel strategy for prevention and treatment of colorectal cancer. 2020 , 39, 4925-4943	127
604	HARMONIES: A Hybrid Approach for Microbiome Networks Inference via Exploiting Sparsity. 2020 , 11, 445	2
603	The Genus : Gut Bacteria With Emerging Implications to Inflammation, Cancer, and Mental Health. 2020 , 11, 906	191
602	A metagenomic study of biliary microbiome change along the cholecystitis-carcinoma sequence. 2020 , 10, e97	4
601	Composition of fecal microbiota in low-set rectal cancer patients treated with FOLFOX. 2020 , 11, 2040622320904293	

600	Probiotic-directed modulation of gut microbiota is basal microbiome dependent. 2020 , 12, 1736974	37
599	Metaproteomics characterizes human gut microbiome function in colorectal cancer. 2020 , 6, 14	36
598	Metagenome-wide association of gut microbiome features for schizophrenia. <i>Nature Communications</i> , 2020 , 11, 1612	17.4 73
597	An Integrated Multi-Disciplinary Perspective for Addressing Challenges of the Human Gut Microbiome. 2020 , 10,	7
596	The role of gut microbiota in bone homeostasis. 2020 , 135, 115317	28
595	Sialylation and fucosylation modulate inflammasome-activating eIF2 Signaling and microbial translocation during HIV infection. 2020 , 13, 753-766	11
594	Clinical Implications of the Associations Between Intestinal Microbiome and Colorectal Cancer Progression. 2020 , 12, 4117-4128	5
593	The association between protein consumption from animal and plant sources with psychological distress in older people in the Mediterranean region. 2020 , 5, 273-285	1
592	Role of Inflammation in Pathophysiology of Colonic Disease: An Update. 2020 , 21,	9
591	The Role of the Intestinal Microbiome on Colorectal Cancer Pathogenesis and its Recurrence Following Surgery. 2020 , 24, 2349-2356	8
590	Immunotherapy in Colorectal Cancer: Potential of Fecal Transplant and Microbiota-augmented Clinical Trials. 2020 , 16, 81-88	9
589	Alterations of gut microbiota contribute to the progression of unruptured intracranial aneurysms. <i>Nature Communications</i> , 2020 , 11, 3218	17.4 14
588	Hemolysin BL from novel BV-17 induces antitumor activity both in vitro and in vivo. 2020 , 12, 1782158	4
587	Potential Use of Biotherapeutic Bacteria to Target Colorectal Cancer-Associated Taxa. 2020 , 21,	10
586	Investigation on the influence of isolated environment on human psychological and physiological health. 2020 , 716, 136972	6
585	Beyond Taxonomic Analysis of Microbiomes: A Functional Approach for Revisiting Microbiome Changes in Colorectal Cancer. 2019 , 10, 3117	3
584	Southern Chinese populations harbour non-nucleatum Fusobacteria possessing homologues of the colorectal cancer-associated FadA virulence factor. 2020 , 69, 1998-2007	16
583	Characterizing the composition of intestinal microflora by gene sequencing. 2020 , 26, 614-626	3

582	Microbiome in Colorectal Cancer: How to Get from Meta-omics to Mechanism?. 2020 , 28, 401-423	58
581	Colibactin-positive Escherichia coli induce a procarcinogenic immune environment leading to immunotherapy resistance in colorectal cancer. 2020 , 146, 3147-3159	22
580	Gut Microbiota Plasticity Influences the Adaptability of Wild and Domestic Animals in Co-inhabited Areas. 2020 , 11, 125	3
579	Metabolic models predict bacterial passengers in colorectal cancer. 2020 , 8, 3	14
578	Gastrointestinal Microbiome - What We Need to Know in Clinical Practice. 2020 , 27, 336-351	7
577	Identifying viruses from metagenomic data using deep learning. 2020 , 8, 64-77	96
576	Establishing high-accuracy biomarkers for colorectal cancer by comparing fecal microbiomes in patients with healthy families. 2020 , 11, 918-929	14
575	Biodiversity and richness shifts of mucosa-associated gut microbiota with progression of colorectal cancer. 2020 , 171, 107-114	11
574	Association Between Sulfur-Metabolizing Bacterial Communities in Stool and Risk of Distal Colorectal Cancer in Men. 2020 , 158, 1313-1325	50
573	Significance of the gut microbiome in multistep colorectal carcinogenesis. 2020 , 111, 766-773	27
572	Gut microbiota dysbiosis signature is associated with the colorectal carcinogenesis sequence and improves the diagnosis of colorectal lesions. 2020 , 35, 2109-2121	10
571	KMP01D Demonstrates Beneficial Anti-inflammatory Effects on Immune Cells: An Preclinical Study of Patients With Colorectal Cancer. 2020 , 11, 684	2
570	Crypt residing bacteria and proximal colonic carcinogenesis in a mouse model of Lynch syndrome. 2020 , 147, 2316-2326	10
569	Gut Microbiome Composition Is Associated with a Pathologic Response After Preoperative Chemoradiation in Patients with Rectal Cancer. 2020 , 107, 736-746	14
568	Structure of the Mucosal and Stool Microbiome in Lynch Syndrome. 2020 , 27, 585-600.e4	20
567	Microbiome structure and function in rhizosphere of Jerusalem artichoke grown in saline land. 2020 , 724, 138259	19
566	CSN6-TRIM21 axis instigates cancer stemness during tumorigenesis. 2020 , 122, 1673-1685	3
565	Human Colon Mucosal Biofilms and Murine Host Communicate via Altered mRNA and microRNA Expression during Cancer. 2020 , 5,	15

564	Fecal Metabolomic Signatures in Colorectal Adenoma Patients Are Associated with Gut Microbiota and Early Events of Colorectal Cancer Pathogenesis. 2020 , 11,	42
563	Different Types of Atrial Fibrillation Share Patterns of Gut Microbiota Dysbiosis. 2020 , 5,	17
562	A purified membrane protein from or the pasteurised bacterium blunts colitis associated tumourigenesis by modulation of CD8 T cells in mice. 2020 , 69, 1988-1997	118
561	The gut microbiota confers protection in the CNS against neurodegeneration induced by manganism. 2020 , 127, 110150	11
560	Cystic Fibrosis, CFTR, and Colorectal Cancer. 2020 , 21,	27
559	The effect of probiotics supplementation on blood pressure: a systemic review and meta-analysis. 2020 , 19, 79	20
558	Altered gut microbial profile is associated with abnormal metabolism activity of Autism Spectrum Disorder. 2020 , 11, 1246-1267	53
557	The Effects of Cellulose on AOM/DSS-Treated C57BL/6 Colorectal Cancer Mice by Changing Intestinal Flora Composition and Inflammatory Factors. 2021 , 73, 502-513	4
556	Intestinal microbiota and its association with colon cancer and red/processed meat consumption. 2021 , 36, 75-88	33
555	Gut microbiota contributes towards immunomodulation against cancer: New frontiers in precision cancer therapeutics. 2021 , 70, 11-23	9
554	Research progression of blood and fecal metabolites in colorectal cancer. 2021 , 3, 51	4
553	Comprehensive Assessment of Diet Quality and Risk of Precursors of Early-Onset Colorectal Cancer. 2021 , 113, 543-552	23
552	Gut microbiota alterations are distinct for primary colorectal cancer and hepatocellular carcinoma. 2021 , 12, 374-393	14
551	Microbes and complex diseases: from experimental results to computational models. 2021 , 22,	8
550	A unified catalog of 204,938 reference genomes from the human gut microbiome. 2021 , 39, 105-114	185
549	Gut Microbiome Components Predict Response to Neoadjuvant Chemoradiotherapy in Patients with Locally Advanced Rectal Cancer: A Prospective, Longitudinal Study. 2021 , 27, 1329-1340	20
548	Relationship Between Microbiome and Colorectal Cancer. 2021 , 568-578	1
547	Gut Microbiome and Diet. 2021 , 12-12	

546	Comprehensive analysis of lncRNA-miRNA-mRNA regulatory networks for microbiota-mediated colorectal cancer associated with immune cell infiltration. 2021 , 12, 3410-3425	8
545	Animal Models for Probiotic Interventions Under Gut Inflammatory Conditions. 2021 , 85-121	1
544	Depiction of Vaginal Microbiota in Women With High-Risk Human Papillomavirus Infection. 2020 , 8, 587298	6
543	CAMAMED: a pipeline for composition-aware mapping-based analysis of metagenomic data. 2021 , 3, lqaa107	2
542	Completion of the gut microbial epi-bile acid pathway. 2021 , 13, 1-20	11
541	Beyond samples: A metric revealing more connections of gut microbiota between individuals. 2021 , 19, 3930-3937	0
540	Suppressed inflammation in obese children induced by a high-fiber diet is associated with the attenuation of gut microbial virulence factor genes. 2021 , 12, 1754-1770	3
539	Bacteroides, butyric acid and t10,c12-CLA changes in colorectal adenomatous polyp patients. 2021 , 13, 1	8
538	Feature Selection Based on Shapley Additive Explanations on Metagenomic Data for Colorectal Cancer Diagnosis. 2021 , 69-80	
537	Microbiome and the Hallmarks of Cancer. 2021 , 1-26	1
536	Exploring the Role of Gut Microbiome in Colon Cancer. 2021 , 193, 1780-1799	13
535	Fiber-associated Lachnospiraceae reduce colon tumorigenesis by modulation of the tumor-immune microenvironment.	1
534	What Is Known about Theragnostic Strategies in Colorectal Cancer. 2021 , 9,	6
533	Understanding cell-cell communication and signaling in the colorectal cancer microenvironment. 2021 , 11, e308	12
532	A Functional Food Inhibits Azoxymethane/Dextran Sulfate Sodium-Induced Inflammatory Colorectal Cancer in Mice. 2021 , 14, 1465-1477	1
531	New Insights Into the Cancer-Microbiome-Immune Axis: Decrypting a Decade of Discoveries. 2021 , 12, 622064	28
530	The Fecal Microbiota Is Already Altered in Normoglycemic Individuals Who Go on to Have Type 2 Diabetes. 2021 , 11, 598672	6
529	Altered immunity to microbiota, B cell activation and depleted γ resident memory T cells in colorectal cancer.	0

528	Applications of Machine Learning in Human Microbiome Studies: A Review on Feature Selection, Biomarker Identification, Disease Prediction and Treatment. 2021 , 12, 634511	41
527	Metagenome Analysis of Intestinal Bacteria in Healthy People, Patients With Inflammatory Bowel Disease and Colorectal Cancer. 2021 , 11, 599734	4
526	Subversion of Niche-Signalling Pathways in Colorectal Cancer: What Makes and Breaks the Intestinal Stem Cell. 2021 , 13,	8
525	Model with the GBDT for Colorectal Adenoma Risk Diagnosis. 2021 , 15, 971-979	6
524	The protective role of daidzein in intestinal health of turbot (<i>Scophthalmus maximus</i> L.) fed soybean meal-based diets. 2021 , 11, 3352	5
523	kLDM: Inferring Multiple Metagenomic Association Networks based on the Variation of Environmental Factors. 2021 ,	0
522	New development on hysteroscopy for endometrial cancer diagnosis: state of the art. 2021 , 112, 12-19	2
521	Trans-ethnic gut microbial signatures of prediabetic subjects from India and Denmark. 2021 , 13, 36	13
520	Novel Biomarkers in the Diagnosis of Benign and Malignant GI Diseases. 2021 ,	2
519	Microbiome Analysis of More Than 2,000 NHS Bowel Cancer Screening Programme Samples Shows the Potential to Improve Screening Accuracy. 2021 , 27, 2246-2254	1
518	Characteristics of the gut microbiome profile in obese patients with colorectal cancer. 2021 , 5, 498-507	4
517	The gut microbial composition in polycystic ovary syndrome with insulin resistance: findings from a normal-weight population. 2021 , 14, 50	2
516	The Role of Intestinal Flora in the Regulation of Bone Homeostasis. 2021 , 11, 579323	2
515	Fecal microbiota changes with fermented kimchi intake regulated either formation or advancement of colon adenoma. 2021 , 68, 139-148	3
514	Bacterial community structure alterations within the colorectal cancer gut microbiome. 2021 , 21, 98	3
513	Shared and disease-specific host gene-microbiome interactions across human diseases.	3
512	Metagenomic Insight: Dietary Thiamine Supplementation Promoted the Growth of Carbohydrate-Associated Microorganisms and Enzymes in the Rumen of Saanen Goats Fed High-Concentrate Diets. 2021 , 9,	3
511	Microbiome meta-analysis and cross-disease comparison enabled by the SIAMCAT machine learning toolbox. 2021 , 22, 93	26

510	Multiple haplotype reconstruction from allele frequency data. 2021 , 1, 262-271	1
509	The inflammatory pathogenesis of colorectal cancer. 2021 , 21, 653-667	38
508	Gut microbes in gastrointestinal cancers. 2021 ,	2
507	The Role of Intestinal Microbiota in Colorectal Cancer. 2021 , 12, 674807	4
506	Long-term Diet Quality and Gut Microbiome Functionality: A Prospective, Shotgun Metagenomic Study among Urban Chinese Adults. 2021 , 5, nzab026	5
505	Towards Novel Non-Invasive Colorectal Cancer Screening Methods: A Comprehensive Review. 2021 , 13,	8
504	MAPLE: A Microbiome Analysis Pipeline Enabling Optimal Peptide Search and Comparative Taxonomic and Functional Analysis. 2021 , 20, 2882-2894	
503	The Role of Gut Barrier Dysfunction and Microbiome Dysbiosis in Colorectal Cancer Development. 2021 , 11, 626349	14
502	Colorectal cancer and Blastocystis sp. infection. 2021 , 14, 200	2
501	Integrated approaches for precision oncology in colorectal cancer: The more you know, the better. 2021 ,	1
500	Health benefits of edible mushroom polysaccharides and associated gut microbiota regulation. 2021 , 1-18	7
499	An atlas of the tissue and blood metagenome in cancer reveals novel links between bacteria, viruses and cancer. 2021 , 9, 94	2
498	Burden and trend of ischemic heart disease and colorectal cancer attributable to a diet low in fiber in China, 1990-2017: findings from the Global Burden of Disease Study 2017. 2021 , 60, 3819-3827	2
497	Understanding the cross-talk between human microbiota and gastrointestinal cancer for developing potential diagnostic and prognostic biomarkers. 2021 ,	9
496	Impact of diet on human gut microbiome and disease risk. 2021 , 41, 100845	4
495	Behavioral Risk Factors and Risk of Early-Onset Colorectal Cancer: Review of the Mechanistic and Observational Evidence. 2021 , 17, 43-53	1
494	Fecal -- Biomarker for Noninvasive Diagnosis and Prognosis of Colorectal Laterally Spreading Tumor. 2021 , 11, 661048	1
493	Microbial Ecological Mechanism for Long-Term Production of High Concentrations of -Caproate via Lactate-Driven Chain Elongation. 2021 , 87,	7

492	Identification of microbial markers across populations in early detection of colorectal cancer. <i>Nature Communications</i> , 2021 , 12, 3063	17.4	23
491	Patients With Common Variable Immunodeficiency (CVID) Show Higher Gut Bacterial Diversity and Levels of Low-Abundance Genes Than the Healthy Housemates. 2021 , 12, 671239		4
490	<i>Butyribacter intestini</i> gen. nov., sp. nov., a butyric acid-producing bacterium of the family Lachnospiraceae isolated from human faeces, and reclassification of <i>Acetivibrio ethanolgignens</i> as <i>Acetanaerobacter ethanolgignens</i> gen. nov., comb. nov. 2021 , 44, 126201		2
489	Reversal of Functional Brain Activity Related to Gut Microbiome and Hormones After VSG Surgery in Patients With Obesity. 2021 , 106, e3619-e3633		2
488	The fecal microbiota of patients with pancreatic ductal adenocarcinoma and autoimmune pancreatitis characterized by metagenomic sequencing. 2021 , 19, 215		11
487	Identification of tick-borne pathogens by metagenomic next-generation sequencing in <i>Dermacentor nuttalli</i> and <i>Ixodes persulcatus</i> in Inner Mongolia, China. 2021 , 14, 287		3
486	Metagenomic Analysis of Common Intestinal Diseases Reveals Relationships among Microbial Signatures and Powers Multidisease Diagnostic Models. 2021 , 6,		5
485	The role of microbiome in colorectal carcinogenesis and its clinical potential as a target for cancer treatment. 2021 ,		6
484	Gut Microbiota as Potential Biomarker and/or Therapeutic Target to Improve the Management of Cancer: Focus on Colibactin-Producing in Colorectal Cancer. 2021 , 13,		4
483	Cigarette smoking status alters dysbiotic gut microbes in hypertensive patients. 2021 , 23, 1431-1446		5
482	COVID-19 Rehabilitation With Herbal Medicine and Cardiorespiratory Exercise: Protocol for a Clinical Study. 2021 , 10, e25556		2
481	Integrating taxonomic, functional, and strain-level profiling of diverse microbial communities with bioBakery 3. 2021 , 10,		114
480	Consideration of Gut Microbiome in Murine Models of Diseases. 2021 , 9,		6
479	A Dynamic Transcription Factor Signature Along the Colorectal Adenoma-Carcinoma Sequence in Patients With Co-Occurrent Adenoma and Carcinoma. 2021 , 11, 597447		0
478	Characterization and description of <i>Faecalibacterium butyricigenerans</i> sp. nov. and <i>F. longum</i> sp. nov., isolated from human faeces. 2021 , 11, 11340		3
477	Exploiting unique features of the gut-brain interface to combat gastrointestinal cancer. 2021 , 131,		5
476	Microbiota Alterations in Precancerous Colon Lesions: A Systematic Review. 2021 , 13,		3
475	A transomic cohort as a reference point for promoting a healthy human gut microbiome. 2021 , 8, 100039		13

474	Profiling of gut microbial dysbiosis in adults with myeloid leukemia. 2021 , 11, 2050-2059	2
473	Association of central obesity with hepatocellular carcinoma in patients with chronic hepatitis B receiving antiviral therapy. 2021 , 54, 329-338	1
472	The relationship between gastrointestinal cancers and the microbiota. 2021 , 6, 498-509	4
471	Microbiome and colorectal cancer: A review of the past, present, and future. 2021 , 37, 101560	3
470	mbImpute: an accurate and robust imputation method for microbiome data. 2021 , 22, 192	6
469	Contribution of the microbiota and their secretory products to inflammation and colorectal cancer pathogenesis: the role of toll-like receptors. 2021 , 42, 1133-1142	4
468	The Application of High-Throughput Technologies for the Study of Microbiome and Cancer. 2021 , 12, 699793	2
467	Diversity and distribution of sulfur metabolism in the human gut microbiome and its association with colorectal cancer.	1
466	Progress in Oral Microbiome Related to Oral and Systemic Diseases: An Update. 2021 , 11,	10
465	The gut microbiota associated with high-Gleason prostate cancer. 2021 , 112, 3125-3135	11
464	Colorectal Cancer Stage-Specific Fecal Bacterial Community Fingerprinting of the Taiwanese Population and Underpinning of Potential Taxonomic Biomarkers. 2021 , 9,	7
463	The Impact of Gut Microbiota on Radiation-Induced Enteritis. 2021 , 11, 586392	13
462	A Metagenome-Wide Association Study of the Gut Microbiome and Metabolic Syndrome. 2021 , 12, 682721	3
461	The gut microbiome: what the oncologist ought to know. 2021 , 125, 1197-1209	19
460	Inhibitory Effect of Garcinol on Obesity-Exacerbated, Colitis-Mediated Colon Carcinogenesis. 2021 , 65, e2100410	
459	Gut microbiome research in multiple sclerosis. 2021 , 168, 28-31	3
458	Longitudinal linked-read sequencing reveals ecological and evolutionary responses of a human gut microbiome during antibiotic treatment. 2021 , 31, 1433-1446	7
457	Genomic, Microbial and Immunological Microenvironment of Colorectal Polyps. 2021 , 13,	0

456	Effect of <i>Bacillus coagulans</i> Unique IS-2 in Inflammatory Bowel Disease (IBD): A Randomized Controlled Trial.	
455	Microbiome and gastrointestinal malignancies. 2021 , 22, 100451	1
454	The gut microbiome in microscopic polyangiitis with kidney involvement: common and unique alterations, clinical association and values for disease diagnosis and outcome prediction. 2021 , 9, 1286	1
453	Commensal Clostridiales strains mediate effective anti-cancer immune response against solid tumors. 2021 , 29, 1573-1588.e7	9
452	TaxiBGC: a Taxonomy-guided Approach for the Identification of Experimentally Verified Microbial Biosynthetic Gene Clusters in Shotgun Metagenomic Data.	
451	Metagenomics-Based Analysis of the Age-Related Cumulative Effect of Antibiotic Resistance Genes in Gut Microbiota. 2021 , 10,	2
450	Global Analysis of Microbiota Signatures in Four Major Types of Gastrointestinal Cancer. 2021 , 11, 685641	5
449	Myricetin and M10, a myricetin-3-O-β-D-lactose sodium salt, modify composition of gut microbiota in mice with ulcerative colitis. 2021 , 346, 7-15	1
448	Metagenomic analysis revealed the potential role of gut microbiome in gout. 2021 , 7, 66	15
447	Cell-based immunotherapy approaches for colorectal cancer: main achievements and challenges. 2021 , 17, 3253-3270	0
446	Harness the functions of gut microbiome in tumorigenesis for cancer treatment. 2021 , 41, 937-967	1
445	The CRCbiome study: a large prospective cohort study examining the role of lifestyle and the gut microbiome in colorectal cancer screening participants. 2021 , 21, 930	0
444	Single-cell transcriptomic landscape reveals tumor specific innate lymphoid cells associated with colorectal cancer progression. 2021 , 2, 100353	7
443	MetaGeneBank: a standardized database to study deep sequenced metagenomic data from human fecal specimen. 2021 , 21, 263	0
442	The Role of Microbiota in Gastrointestinal Cancer and Cancer Treatment - Chance or Curse?. 2021 ,	4
441	Over 50,000 Metagenomically Assembled Draft Genomes for the Human Oral Microbiome Reveal New Taxa. 2021 ,	7
440	Identification of Tick-Borne Pathogens and Genotyping of in in Yunnan Province, China. 2021 , 12, 736484	2
439	Metagenomics-based insights into the microbial community profiling and flavor development potentiality of baijiu Daqu and huangjiu wheat Qu.. 2022 , 152, 110707	4

438	Microbiota and Colorectal Cancer: From Gut to Bedside. 2021 , 12, 760280	2
437	A Statistical Framework for Data Purification with Application to Microbiome Data Analysis.	
436	The taxonomic distribution of histamine-secreting bacteria in the human gut microbiome. 2021 , 22, 695	3
435	A Mediterranean-like fat blend protects against the development of severe colitis in the mucin-2 deficient murine model.	
434	Colorectal cancer and microbiota modulation for clinical use. A systematic review.	
433	Colorectal Tumour Mucosa Microbiome Is Enriched in Oral Pathogens and Defines Three Subtypes That Correlate with Markers of Tumour Progression. 2021 , 13,	1
432	Fecal Microbiota and Gut Microbe-Derived Extracellular Vesicles in Colorectal Cancer. 2021 , 11, 650026	7
431	Ultra-Performance Liquid Chromatography/Mass Spectrometry-Based Metabolomics for Discovering Potential Biomarkers and Metabolic Pathways of Colorectal Cancer in Mouse Model (ApcMin/+) and Revealing the Effect of. 2021 , 11, 671014	1
430	Analysis of Microorganism Diversity in From Shaanxi, China, Based on Metagenomic Sequencing. 2021 , 12, 723773	
429	Dairy consumption and physical fitness tests associated with fecal microbiome in a Chinese cohort. 2021 , 100038	2
428	Disease trends in a young Chinese cohort according to fecal metagenome and plasma metabolites. 2021 , 100037	2
427	Lactobacillus rhamnosus induces CYP3A and changes the pharmacokinetics of verapamil in rats. 2021 , 352, 46-53	0
426	Gut microbiota and renin-angiotensin system: a complex interplay at local and systemic levels. 2021 , 321, G355-G366	11
425	Metagenomic Analysis Identifies Sex-Related Cecal Microbial Gene Functions and Bacterial Taxa in the Quail. 2021 , 8, 693755	0
424	Antimicrobial resistance bacteria and genes detected in hospital sewage provide valuable information in predicting clinical antimicrobial resistance. 2021 , 795, 148815	4
423	Three-compartment septic tanks as sustainable on-site treatment facilities? Watch out for the potential dissemination of human-associated pathogens and antibiotic resistance. 2021 , 300, 113709	1
422	Gut Microbiota and Colorectal Cancer. 2022 , 357-357	
421	Dysbiosis of gut microbiota in patients with esophageal cancer. 2021 , 150, 104709	18

420	Commensal microbiota in the digestive tract: a review of its roles in carcinogenesis and radiotherapy. 2021 ,	0
419	Dysbiosis Triggers ACF Development in Genetically Predisposed Subjects. 2021 , 13,	3
418	Microbes, human milk, and prebiotics. 2021 , 197-237	0
417	Establishing a novel colorectal cancer predictive model based on unique gut microbial single nucleotide variant markers. 2021 , 13, 1-6	8
416	Gut Microbial Signatures in Sporadic and Hereditary Colorectal Cancer. 2021 , 22,	2
415	Microbiome as an Immunological Modifier. 2020 , 2055, 595-638	8
414	Concomitant decrease of double-positive lymphocyte population CD4CD8 α and Faecalibacterium prausnitzii in patients with colorectal cancer. 2021 , 32, 149-156	3
413	Intestinal microbiota and colorectal cancer: changes in the intestinal microenvironment and their relation to the disease. 2019 , 68, 1391-1407	15
412	Accessible, curated metagenomic data through ExperimentHub.	3
411	Longitudinal linked read sequencing reveals ecological and evolutionary responses of a human gut microbiome during antibiotic treatment.	9
410	Dissecting the collateral damage of antibiotics on gut microbes.	4
409	Microbiome meta-analysis and cross-disease comparison enabled by the SIAMCAT machine-learning toolbox.	3
408	Succession of Bifidobacterium longum strains in response to the changing early-life nutritional environment reveals specific adaptations to distinct dietary substrates.	0
407	mbImpute: an accurate and robust imputation method for microbiome data.	4
406	Identification of microbial markers across populations in early detection of colorectal cancer.	1
405	The Quorum Sensing Peptide EntF* Promotes Colorectal Cancer Metastasis in Mice: A New Factor in the Microbiome-Host Interaction.	1
404	Integrating taxonomic, functional, and strain-level profiling of diverse microbial communities with bioBakery 3.	22
403	A Metagenomic Meta-Analysis Reveals Functional Signatures of Health and Disease in the Human Gut Microbiome.	3

402	Clustering co-abundant genes identifies components of the gut microbiome that are reproducibly associated with colorectal cancer and inflammatory bowel disease.	4
401	A multi-omic cohort as a reference point for promoting a healthy human gut microbiome.	7
400	The <i>Prevotella copri</i> complex comprises four distinct clades that are underrepresented in Westernised populations.	6
399	METABOLIC: High-throughput profiling of microbial genomes for functional traits, biogeochemistry, and community-scale metabolic networks.	17
398	A unified sequence catalogue of over 280,000 genomes obtained from the human gut microbiome.	14
397	Over 50000 metagenomically assembled draft genomes for the human oral microbiome reveal new taxa.	3
396	Host-microbiome protein-protein interactions reveal mechanisms in human disease.	1
395	Gut fungal dysbiosis and altered bacterial-fungal interaction in patients with diarrhea-predominant irritable bowel syndrome: An explorative study. 2020 , 32, e13891	10
394	Association of <i>Flavonifractor plautii</i> , a Flavonoid-Degrading Bacterium, with the Gut Microbiome of Colorectal Cancer Patients in India. 2019 , 4,	36
393	Human colon mucosal biofilms from healthy or colon cancer hosts are carcinogenic. 2019 , 129, 1699-1712	87
392	A <i>Clostridia</i> -rich microbiota enhances bile acid excretion in diarrhea-predominant irritable bowel syndrome. 2020 , 130, 438-450	43
391	Harnessing the strategy of metagenomics for exploring the intestinal microecology of sable (<i>Martes zibellina</i>), the national first-level protected animal. 2020 , 10, 169	2
390	Analysis of Mucosa-Associated Microbiota in Colorectal Cancer. 2017 , 23, 4422-4430	30
389	Impact of <i>Enterobius vermicularis</i> infection and mebendazole treatment on intestinal microbiota and host immune response. 2017 , 11, e0005963	16
388	Fecal Microbiota, Fecal Metabolome, and Colorectal Cancer Interrelations. 2016 , 11, e0152126	111
387	Nutrient metabolism and cancer in the <i>in vivo</i> context: a metabolic game of give and take. 2020 , 21, e50635	14
386	Role of human microbiota in the development of colorectal cancer. 2019 , 9, 11-17	2
385	Immune senescence and immune activation in elderly colorectal cancer patients. 2019 , 11, 3864-3875	6

384	Clostridium difficile colonization in preoperative colorectal cancer patients. 2017 , 8, 11877-11886	17
383	Systematic evaluation of supervised classifiers for fecal microbiota-based prediction of colorectal cancer. 2017 , 8, 9546-9556	45
382	Lactobacillus casei Zhang and vitamin K2 prevent intestinal tumorigenesis in mice via adiponectin-elevated different signaling pathways. 2017 , 8, 24719-24727	28
381	Invasive Fusobacterium nucleatum activates beta-catenin signaling in colorectal cancer via a TLR4/P-PAK1 cascade. 2017 , 8, 31802-31814	89
380	Gut microbial profile analysis by MiSeq sequencing of pancreatic carcinoma patients in China. 2017 , 8, 95176-95191	90
379	Understanding the microbiome: a primer on the role of the microbiome in colorectal neoplasia. 2020 , 33, 223-236	3
378	Our Little Friends with Big Roles: Alterations of the Gut Microbiota in Thyroid Disorders. 2020 , 20, 344-350	11
377	Using Decision Tree Aggregation with Random Forest Model to Identify Gut Microbes Associated with Colorectal Cancer. 2019 , 10,	25
376	Gut commensal bacteria, Paneth cells and their relations to radiation enteropathy. 2020 , 12, 188-202	3
375	The female urinary microbiota in relation to the reproductive tract microbiota. 2020, 1-9	3
374	Is stool frequency associated with the richness and community composition of gut microbiota?. 2019 , 17, 419-426	11
373	Adjusting for age improves identification of gut microbiome alterations in multiple diseases. 2020 , 9,	55
372	Resurrection of a global, metagenomically defined gokushovirus. 2020 , 9,	14
371	Proteomic indicators of oxidation and hydration state in colorectal cancer. 2016 , 4, e2238	4
370	Diets with and without edible cricket support a similar level of diversity in the gut microbiome of dogs. 2019 , 7, e7661	13
369	Alterations in Faecal Metagenomics and Serum Metabolomics Indicate Management Strategies for Patients With Budd-Chiari Syndrome. 2021 , 11, 730091	0
368	The genetic source tracking of human urinary exosomes. 2021 , 118,	7
367	A fecal-based test for the detection of advanced adenoma and colorectal cancer: a case-control and screening cohort study. 2021 , 19, 250	2

- 366 Metagenomic analysis of gut microbiome reveals a dynamic change in *Alistipes onderdonkii* in the preclinical model of pancreatic cancer, suppressing its proliferation. **2021**, 105, 8343-8358 0
- 365 Unravelling the collateral damage of antibiotics on gut bacteria. **2021**, 599, 120-124 21
- 364 Sustained Drug Treatment Alters the Gut Microbiota in Rheumatoid Arthritis. **2021**, 12, 704089 1
- 363 Association of circulating short chain fatty acid levels with colorectal adenomas and colorectal cancer. **2021**, 46, 297-304 2
- 362 Proteomic indicators of oxidation and hydration state in colorectal cancer.
- 361 Early Phenotypical Changes Induced By Transfer Of Human Fecal Microbiota from Colorectal Cancer Patients To Germ-Free Mice. **2017**, 4, 1-11
- 360 Normalization of the microbiota in patients after treatment for colonic lesions.
- 359 Diet Factors in Cancer Risk. 171-198
- 358 Taxonomic Profiling and Populational Patterns of Bacterial Bile Salt Hydrolase (BSH) Genes on Worldwide Human Gut Microbiome.
- 357 The probiotic effectiveness in experimental colitis is correlated with gut microbiome and host genetic features.
- 356 Gut microbiome meta-analysis reveals dysbiosis is independent of body mass index in predicting risk of obesity-associated CRC.
- 355 A Clostridia-rich microbiota contributes to increased excretion of bile acids in diarrhea-predominant irritable bowel syndrome. 0
- 354 The female urinary microbiota in relation to the reproductive tract microbiota.
- 353 Multiclass Disease Classification from Microbial Whole-Community Metagenomes using Graph Convolutional Neural Networks.
- 352 DJ-1 (Park7) affects the gut microbiome, metabolites and development of Innate Lymphoid cells (ILCs).
- 351 Genome Sequence of Segmented Filamentous Bacteria Present in the Human Intestine.
- 350 Characterizing the Cancer-Associated Microbiome with Small RNA Sequencing Data.
- 349 Compromised intestinal barrier underlies gut microbiota dysbiosis of intestinal diseases.

- 348 Metagenomic analysis of common intestinal diseases reveals relationships among microbial signatures and powers multi-disease diagnostic models.
- 347 Metagenomic Study Revealed the Potential Role of the Gut Microbiome in Gout.
- 346 The virus integrations in gut microbes associated with dysbiosis of microbial community in tumorigenesis of colorectal carcinoma.
- 345 The effect of curative resection on fecal microbiota in patients with colorectal cancer: a prospective pilot study. **2020**, 99, 44-51 2
- 344 Microbiota, mucosal immunity, and Colon cancer. **2020**, 157-209
- 343 Colorectal cancer and the microbiome: dysplasia, probiotics, and *Fusobacterium nucleatum*. **2020**, 79-94
- 342 Clinically adaptable polymer enables simultaneous spatial analysis of colonic tissues and biofilms.
- 341 Performance of 16S Metagenomic Profiling in Formalin-Fixed Paraffin-Embedded versus Fresh-Frozen Colorectal Cancer Tissues. **2021**, 13, 1
- 340 Comprehensive profiles and diagnostic value of menopausal-specific gut microbiota in premenopausal breast cancer. **2021**, 53, 1636-1646 2
- 339 Body site-specific and disease-specific virulome in the human microbiome.
- 338 The CRCbiome study: a large prospective cohort study examining the role of lifestyle and the gut microbiome in colorectal cancer screening participants.
- 337 Characterization and description of *Faecalibacterium butyricigenans* sp. nov. and *F. longum* sp. nov., isolated from human faeces.
- 336 Exposure to soil environments during earlier life stages is distinguishable in the gut microbiome of adult mice. **2021**, 13, 1-13 13
- 335 Therapeutic potential of melatonin in colorectal cancer: Focus on lipid metabolism and gut microbiota. **2022**, 1868, 166281 3
- 334 Gut Microbiota, Next-Generation Sequencing, Immune-Checkpoint Inhibitors, and Colorectal Cancer: How Hot Is the Link?. **2020**, 111-145 1
- 333 Feature Selection Using Local Interpretable Model-Agnostic Explanations on Metagenomic Data. **2020**, 340-357
- 332 Adjuvant Value of Turmeric Extract (Containing Curcumin) in Colorectal Cancer Management. **2020**, 209-239 1
- 331 A Comprehensive Analysis of the Global Human Gut Archaeome from a Thousand Genome Catalogue.

- 330 Role of Gut Microbiome in Colorectal Cancer. **2020**, 153-165
- 329 The Microbiome in Liver Diseases. **2020**, 205-210
- 328 Dysbiosis of gut microbiota and human diseases. **2020**, 25, 66 0
- 327 HARMONIES: A Hybrid Approach for Microbiome Networks Inference via Exploiting Sparsity.
- 326 Oral supplementation with lactobacilli to prevent colorectal cancer in preclinical models. **2020**, 66, 48-69 2
- 325 Faecal microbial biomarkers in early diagnosis of colorectal cancer. **2021**, 25, 10783-10797 7
- 324 *Butyribacter intestini* gen. nov., sp. nov., a butyric acid-producing bacterium of the family Lachnospiraceae isolated from the human faeces, and reclassification of *Acetivibrio ethanolgignens* as *Acetanaerobacter ethanolgignens* gen. nov., comb. nov.
- 323 Forward variable selection improves the power of random forest for high- dimensional microbiome data. 1
- 322 Diversity and function of microbial lipases within the mammalian gut. 1
- 321 Noninvasive Screening Test. **2021**, 55-65
- 320 Multiclass Disease Classification from Microbial Whole-Community Metagenomes. **2020**, 25, 55-66
- 319 Immunoglobulin Receptors Expression in Indian Colon Cancer Patients and Healthy Subjects Using a Noninvasive Approach and Flowcytometry. **2020**, 10, 194-199
- 318 Influence of Factors Altering Gastric Microbiota on Bariatric Surgery Metabolic Outcomes. **2021**, e0053521 0
- 317 Sporadic and Inherited Colorectal Cancer: How Epidemiology and Molecular Biology Guide Screening and Treatment. **2022**, 397-412
- 316 The Role of Diet and Lifestyle in Early-Onset Colorectal Cancer: A Systematic Review. **2021**, 13, 6
- 315 Uncovering the Role of Gut Microbiota in Amino Acid Metabolic Disturbances in Heart Failure Through Metagenomic Analysis.. **2021**, 8, 789325 3
- 314 Onkogenese: Die Rolle der Mikrobiota.
- 313 An integrative understanding of the large metabolic shifts induced by antibiotics in critical illness. **2021**, 13, 1993598 2

312	The Gut Microbiota and Immunopathophysiology. 2021 ,	
311	Colorectal cancer screening in IBD - can characterization of GI microbiome signatures enhance neoplasia detection?. 2022 ,	1
310	Towards a metagenomics machine learning interpretable model for understanding the transition from adenoma to colorectal cancer.. 2022 , 12, 450	2
309	High level nitrosamines in rat faeces with colorectal cancer determined by a sensitive GC-MS method.. 2022 , 210, 114576	1
308	Strategies for the treatment of colorectal cancer caused by gut microbiota.. 2021 , 290, 120202	1
307	AGAMEMNON: an Accurate metaGenomics And METatranscriptoMics quaNtificatiON analysis suite.. 2022 , 23, 39	1
306	Biomarkers to Detect Early-Stage Colorectal Cancer.. 2022 , 10,	2
305	Fusobacterium nucleatum and Bacteroides fragilis detection in colorectal tumours: Optimal target site and correlation with total bacterial load.. 2022 , 17, e0262416	1
304	Health improvements of type 2 diabetic patients through diet and diet plus fecal microbiota transplantation.. 2022 , 12, 1152	3
303	Potential Novel Serum Metabolic Markers Associated With Progression of Prediabetes to Overt Diabetes in a Chinese Population.. 2021 , 12, 745214	
302	Characteristics of Gut Microbiota in Patients with GH-Secreting Pituitary Adenoma.. 2022 , e0042521	1
301	Potential Role of the Gut Microbiome In Colorectal Cancer Progression.. 2021 , 12, 807648	7
300	Carcinogenic microbiota and its role in colorectal cancer development.. 2022 ,	1
299	Using metagenomic data to boost protein structure prediction and discovery.. 2022 , 20, 434-442	0
298	Multi-kingdom microbiota analyses identify bacterial-fungal interactions and biomarkers of colorectal cancer across cohorts.. 2022 ,	6
297	Increasing prediction performance of colorectal cancer disease status using random forests classification based on metagenomic shotgun sequencing data.. 2022 , 7, 574-585	1
296	Altered Gut Microbiota in Patients With Peutz-Jeghers Syndrome.	
295	Evaluating supervised and unsupervised background noise correction in human gut microbiome data.. 2022 , 18, e1009838	0

294	Metagenomics of the midgut microbiome of <i>Rhipicephalus microplus</i> from China.. 2022 , 15, 48	0
293	Microbiome and colorectal carcinogenesis: Linked mechanisms and racial differences.. 2022 , 14, 375-395	2
292	Stressful events induce long-term gut microbiota dysbiosis and associated post-traumatic stress symptoms in healthcare workers fighting against COVID-19.. 2022 ,	2
291	The Relationship Between Gut Microbiome Features and Chemotherapy Response in Gastrointestinal Cancer.. 2021 , 11, 781697	0
290	Towards the biogeography of prokaryotic genes.. 2021 ,	8
289	Induction of DNA Damage in Mouse Colorectum by Administration of Colibactin-producing , Isolated from a Patient With Colorectal Cancer.. 2022 , 36, 628-634	
288	Metagenomics from bench to bedside and from bedside to bench. 2022 , 157-187	
287	Microbiota. 2022 , 21-56	
286	Collecting samples for metagenomics. 2022 , 57-81	
285	Blurring the line between opportunistic pathogens and commensals. 2022 , 133-155	
284	Metagenomics analysis reveals universal signatures of the intestinal microbiota in colorectal cancer, regardless of regional differences.. 2022 , 55, e11832	1
283	Contributions of Human-Associated Archaeal Metabolites to Tumor Microenvironment and Carcinogenesis.. 2022 , e0236721	2
282	Characterization of the fecal microbiota in gastrointestinal cancer patients and healthy people.. 2022 , 1	1
281	Taxonomic and Functional Diversity of <i>Dendrobium Officinale</i> Microbiome in Danxia Habitat.. 2022 ,	0
280	promotes liver metastasis in colorectal cancer by regulating the hepatic immune niche and altering gut microbiota.. 2022 , 14,	3
279	Multi-Omics Association Reveals the Effects of Intestinal Microbiome-Host Interactions on Fat Deposition in Broilers.. 2021 , 12, 815538	0
278	Progress in the Study of Colorectal Cancer Caused by Altered Gut Microbiota After Cholecystectomy.. 2022 , 13, 815999	1
277	METABOLIC: high-throughput profiling of microbial genomes for functional traits, metabolism, biogeochemistry, and community-scale functional networks.. 2022 , 10, 33	10

276	Changes of gut microbiota in diabetic nephropathy and its effect on the progression of kidney injury.. 2022 , 1	0
275	A systematic review of microbial markers for risk prediction of colorectal neoplasia.. 2022 ,	2
274	Altered immunity to microbiota, B cell activation and depleted resident memory T cells in colorectal cancer.. 2022 ,	1
273	Identification of Down-Regulated ADH1C is Associated With Poor Prognosis in Colorectal Cancer Using Bioinformatics Analysis.. 2022 , 9, 791249	0
272	Balancing reactive oxygen species generation by rebooting gut microbiota.. 2022 ,	1
271	A faecal microbiota signature with high specificity for pancreatic cancer.. 2022 ,	5
270	Deciphering Active Prophages from Metagenomes.. 2022 , e0008422	1
269	Integrated metagenomics identifies a crucial role for trimethylamine-producing <i>Lachnospirillum</i> in promoting atherosclerosis.. 2022 , 8, 11	1
268	<i>Parabacteroides pekinense</i> sp. nov.: a new bacterium isolated from the stool of a healthy man living in China.. 2022 , 46, 100973	0
267	Host-microbiome protein-protein interactions capture disease-relevant pathways.. 2022 , 23, 72	1
266	Comparative Analysis of the Gut Microbiota of Mongolian Gazelle (<i>Gazella gazelle</i>) Under Fragmented Habitats.. 2022 , 13, 830321	0
265	The Microbiome: the Link to Colorectal Cancer and Research Opportunities.. 2022 , 23, 631	
264	Insights into carbon-fixation pathways through metagenomics in the sediments of deep-sea cold seeps.. 2022 , 176, 113458	0
263	Does the Microbiota Composition Influence the Efficacy of Colorectal Cancer Immunotherapy?. 2022 , 12, 852194	0
262	TNFAIP8 protein functions as a tumor suppressor in inflammation-associated colorectal tumorigenesis.. 2022 , 13, 311	1
261	Gut dysbiosis in cutaneous T-cell lymphoma is characterized by shifts in relative abundances of specific bacterial taxa and decreased diversity in more advanced disease.. 2022 ,	0
260	Species-Level Analysis of the Human Gut Microbiome Shows Antibiotic Resistance Genes Associated With Colorectal Cancer.. 2021 , 12, 765291	2
259	Expanding the Colorectal Cancer Biomarkers Based on the Human Gut Phageome.. 2021 , e0009021	3

258	The Human Vulvar Microbiome: A Systematic Review.. 2021 , 9,	1
257	Metagenomic and single-cell RNA-seq survey of the H. pylori-infected stomach in asymptomatic individuals.	1
256	Human Gut Microbiota in Health and Selected Cancers.. 2021 , 22,	5
255	Lactobacillus plantarum alleviates irradiation-induced intestinal injury by activation of FXR-FGF15 signaling in intestinal epithelia. 2021 ,	3
254	Gut microbiota imbalance in colorectal cancer patients, the risk factor of COVID-19 mortality. 2021 , 13, 70	4
253	Differential Compositional Variation Feature Selection: A Machine Learning Framework with Log Ratios for Compositional Metagenomic Data.	1
252	Immunoglobulin receptors expression in indian colon cancer patients and healthy subjects using a noninvasive approach and flowcytometry. 2020 , 10, 194	1
251	mbDenoise: microbiome data denoising using zero-inflated probabilistic principal components analysis.. 2022 , 23, 94	2
250	Metformin-induced reductions in tumor growth involves modulation of the gut microbiome.. 2022 , 101498	0
249	Advances in tests for colorectal cancer screening and diagnosis.. 2022 ,	0
248	Diversity and distribution of sulfur metabolic genes in the human gut microbiome and their association with colorectal cancer.. 2022 , 10, 64	4
247	Multi-omics analyses of serum metabolome, gut microbiome and brain function reveal dysregulated microbiota-gut-brain axis in bipolar depression.. 2022 ,	2
246	DataSheet_1.zip. 2019 ,	
245	Image_1.tif. 2019 ,	
244	Image_2.tif. 2019 ,	
243	Image_3.pdf. 2019 ,	
242	Table_1.docx. 2019 ,	
241	Table_2.xlsx. 2019 ,	

240 Table_3.docx. **2019,**

239 Table_4.xlsx. **2019,**

238 Table_5.xlsx. **2019,**

237 Table_6.xlsx. **2019,**

236 Table_7.xlsx. **2019,**

235 Table_8.docx. **2019,**

234 Table_9.docx. **2019,**

233 Image_1.TIFF. **2018,**

232 Image_2.TIFF. **2018,**

231 Image_3.TIFF. **2018,**

230 Image_4.TIF. **2018,**

229 Image_5.TIF. **2018,**

228 Image_6.TIF. **2018,**

227 Image_7.TIF. **2018,**

226 Image_8.TIF. **2018,**

225 Image_9.TIF. **2018,**

224 Table_1.XLSX. **2018,**

223 Image_1.TIF. **2018,**

222 Image_2.TIF. **2018**,

221 Image_3.TIF. **2018**,

220 Image_4.TIF. **2018**,

219 Image_5.TIF. **2018**,

218 Table_1.XLS. **2018**,

217 Presentation_1.pdf. **2018**,

216 Presentation_2.zip. **2018**,

215 Image_1.TIF. **2019**,

214 Image_2.TIF. **2019**,

213 Image_3.TIF. **2019**,

212 Image_4.TIF. **2019**,

211 Table_1.xlsx. **2019**,

210 Table_2.docx. **2019**,

209 Presentation_1.pdf. **2020**,

208 Data_Sheet_1.docx. **2018**,

207 Table_1.DOCX. **2019**,

206 Image_1.TIF. **2020**,

205 Data_Sheet_1.ZIP. **2020**,

204 Data_Sheet_2.ZIP. **2020**,

203 Data_Sheet_3.ZIP. **2020**,

202 Data_Sheet_4.ZIP. **2020**,

201 Data_Sheet_5.ZIP. **2020**,

200 Data_Sheet_6.zip. **2020**,

199 Table_1.xlsx. **2020**,

198 Table_10.xlsx. **2020**,

197 Table_11.xlsx. **2020**,

196 Table_12.xlsx. **2020**,

195 Table_2.xlsx. **2020**,

194 Table_3.xlsx. **2020**,

193 Table_4.xlsx. **2020**,

192 Table_5.xlsx. **2020**,

191 Table_6.xlsx. **2020**,

190 Table_7.xlsx. **2020**,

189 Table_8.xlsx. **2020**,

188 Table_9.xlsx. **2020**,

187 Data_Sheet_1.PDF. **2020**,

186 Table_1.XLSX. 2018,

185 Image_1.TIF. 2019,

184 Image_2.TIF. 2019,

183 Image_3.TIF. 2019,

182 Image_4.TIF. 2019,

181 Table_1.XLSX. 2019,

180 Table_2.XLSX. 2019,

179 Table_3.xlsx. 2019,

178 Table_4.XLSX. 2019,

177 Table_5.XLSX. 2019,

176 A Mediterranean-like fat blend protects against the development of severe colitis in the mucin-2 deficient murine model.. 2022, 14, 2055441

0

175 Metagenomics analysis of cultured mucosal bacteria from colorectal cancer and adjacent normal mucosal tissues.. 2022, 71,

0

174 Host phenotype classification from human microbiome data is mainly driven by the presence of microbial taxa.. 2022, 18, e1010066

1

173 A metagenomic assessment of gut microbiota in Indian colon cancer patients.. 2022, 18, 96-102

0

172 Metagenomics Reveals the Diversity and Taxonomy of Carbohydrate-Active Enzymes and Antibiotic Resistance Genes in Suancai Bacterial Communities. 2022, 13, 773

0

171 Leptin Signaling in Obesity and Colorectal Cancer.. 2022, 23,

2

170 Fecal Microbial Community Composition in Myeloproliferative Neoplasm Patients Is Associated with an Inflammatory State.. 2022, e0003222

1

169 The gut microbiome in patients with chronic lymphocytic leukemia.. 2022,

1

168	Two Competing Guilds as a Core Microbiome Signature for Chronic Diseases.	1
167	Colon Tumors in Enterotoxigenic <i>Bacteroides fragilis</i> (ETBF)-Colonized Mice Do Not Display a Unique Mutational Signature but Instead Possess Host-Dependent Alterations in the APC Gene.. 2022 , e0105522	2
166	Microbiome Analysis in Patients with Colorectal Cancer by 16S Ribosomal RNA Sequencing in the Southeast of Iran. 2022 , 15,	0
165	Evaluating trait-based sets for taxonomic enrichment analysis applied to human microbiome data sets.	
164	<i>Prevotella</i> species in the human gut is primarily comprised of <i>Prevotella copri</i> , <i>Prevotella stercorea</i> and related lineages. 2022 , 12,	2
163	Association between Metabolic Syndrome and the Risk of Colorectal Cancer Diagnosed before 50 years According to Tumor Location. 2022 ,	0
162	Fecal microbiota and bile acids in IBD patients undergoing screening for colorectal cancer. 2022 , 14,	0
161	Enhanced Metagenomic Deep Learning for Disease Prediction and Reproducible Signature Identification by Restructured Microbiome 2D-Representations.	
160	Evaluation of microbiome association models under realistic and confounded conditions.	0
159	<i>Fusobacterium Nucleatum</i> Is a Risk Factor for Metastatic Colorectal Cancer. 2022 , 42, 538-547	1
158	A single-cell atlas of the human brain in Alzheimer's disease and its implications for personalized drug repositioning.	
157	Metagenomic Analyses of Multiple Gut Datasets Revealed the Association of Phage Signatures in Colorectal Cancer. 12,	0
156	Alterations in co-abundant bacteriome in colorectal cancer and its persistence after surgery: a pilot study. 2022 , 12,	0
155	A Comprehensive Metabolomics Analysis of Fecal Samples from Advanced Adenoma and Colorectal Cancer Patients. 2022 , 12, 550	2
154	Implications of Gut Microbiota in Epithelial-Mesenchymal Transition and Cancer Progression: A Concise Review. 2022 , 14, 2964	1
153	Gut Microbiome Modification through Dietary Intervention in Patients with Colorectal Cancer: Protocol for a Prospective, Interventional, Controlled, Randomized Clinical Trial in Patients with Scheduled Surgical Intervention for CRC. 2022 , 11, 3613	
152	Nutrition-wide association study of microbiome diversity and composition in colorectal cancer patients. 2022 , 22,	0
151	Just Add Data: automated predictive modeling for knowledge discovery and feature selection. 2022 , 6,	2

- 150 The role of gut microbiota in the development of colorectal cancer: a review. 2
- 149 The migration and residual regularity of doxycycline and antibiotic resistance genes at different depths of sandy loam with the influence of an oversized microplastic contamination layer. **2022**, 137449 0
- 148 Effect of gut microbiota in the colorectal cancer and potential target therapy. **2022**, 13, 0
- 147 Altered mycobiota signatures and enriched pathogenic *Aspergillus rambellii* are associated with colorectal cancer based on multi-cohort fecal metagenomic analyses. **2022**, 3
- 146 Diet, Microbes, and Cancer Across the Tree of Life: a Systematic Review. 2
- 145 Genotype-Specific Recruitment of Rhizosphere Bacteria From Sandy Loam Soil for Growth Promotion of *Cucumis sativus* var. *hardwickii*. 13, 0
- 144 Meta-Analysis of Altered Gut Microbiota Reveals Microbial and Metabolic Biomarkers for Colorectal Cancer. 2
- 143 The quorum sensing peptide EntF* promotes colorectal cancer metastasis in mice: a new factor in the host-microbiome interaction. **2022**, 20, 2
- 142 Sensing Host Health: Insights from Sensory Protein Signature of the Metagenome. 0
- 141 Meta-analysis of fecal metagenomes reveals global viral signatures and its diagnostic potential for colorectal cancer and adenoma. 0
- 140 Integrated analysis of colorectal cancer reveals cross-cohort gut microbial signatures and associated serum metabolites. **2022**, 0
- 139 Oral and gut dysbiosis leads to functional alterations in Parkinson's disease. **2022**, 8, 1
- 138 Altered Gut Microbiota in Patients With Peutz-Jeghers Syndrome. 13, 0
- 137 Alterations in gut microbiota of esophageal squamous cell carcinoma patients. 0
- 136 Cancer as microenvironmental, systemic and environmental diseases: opportunity for transdisciplinary microbiomics science. *gutjnl-2022-327209* 4
- 135 Proton Pump Inhibitor-Induced Gut Dysbiosis Increases Mortality Rates for Patients with *Clostridioides difficile* Infection. 1
- 134 Dietary modulation of gut microbiota in patients with colorectal cancer undergoing surgery: A review. **2022**, 104, 106751 0
- 133 Establishing a novel inflammatory bowel disease prediction model based on gene markers identified from single nucleotide variants of the intestinal microbiota. 0

- 132 Biofilm competency of *Desulfovibrio vulgaris* Hildenborough facilitates colonization in the gut and represses adenoma development in a rat model of colon cancer.
- 131 Role of gut microbiota in postoperative complications and prognosis of gastrointestinal surgery: A narrative review. **2022**, 101, e29826
- 130 Interaction between microbiota and immunity and its implication in colorectal cancer. 13, 0
- 129 Correlations between Intestinal Microbiota and Clinical Characteristics in Colorectal Adenoma/Carcinoma. **2022**, 2022, 1-11 0
- 128 Intestinal Microbiota in Colorectal Adenoma-Carcinoma Sequence. 9, 1
- 127 Integrated metagenomic and metabolomic analysis reveals distinct gut-microbiome-derived phenotypes in early-onset colorectal cancer. *gutjnl-2022-327156* 3
- 126 Metagenomic shotgun sequencing and metabolomic profiling identify specific human gut microbiota associated with diabetic retinopathy in patients with type 2 diabetes. 13, 2
- 125 New insights into natural products that target the gut microbiota: Effects on the prevention and treatment of colorectal cancer. 13, 0
- 124 Colon mucus in colorectal neoplasia and beyond. **2022**, 28, 4475-4492 1
- 123 Host species and habitats shape the bacterial community of gut microbiota of three non-human primates: Siamangs, white-handed gibbons, and Bornean orangutans. 13, 0
- 122 Identification of clinical and ecological determinants of strain engraftment after fecal microbiota transplantation using metagenomics. **2022**, 3, 100711 0
- 121 First detection of *Rickettsia aeschlimannii* in *Hyalomma marginatum* in Tibet, China. **2022**, 2, 0
- 120 Crosstalk between mucosal microbiota, host gene expression, and sociomedical factors in the progression of colorectal cancer. **2022**, 12, 0
- 119 Analysis and evaluation of different sequencing depths from 5 to 20 million reads in metagenome shotgun sequencing, with optimal minimum depth recommended. 0
- 118 Metagenomic Analysis of the Interaction Between Gut Microbiota and Colorectal Cancer: A Paired-Sample Study Based on GMrepo Database. 0
- 117 Vitamin D intake as well as circulating 25-hydroxyvitamin D level and risk for the incidence and recurrence of colorectal cancer precursors: A meta-analysis. 9, 0
- 116 Quercetin positively affects gene expression profiles and metabolic pathway of antibiotic-treated mouse gut microbiota. 13, 0
- 115 *Dendrobium huoshanense* polysaccharides ameliorate ulcerative colitis by improving intestinal mucosal barrier and regulating gut microbiota. **2022**, 96, 105231 0

114	Microbiota-driven mechanisms at different stages of cancer development. 2022 , 32, 100829	1
113	Culturomics, a potential approach paving the way toward bacteriotherapy. 2022 , 69, 102194	2
112	IP6 reduces colorectal cancer metastasis by mediating the interaction of gut microbiota with host genes. 9,	0
111	Metagenomic analysis of the fecal microbiome in colorectal cancer patients compared to healthy controls as a function of age.	0
110	Healthy gut microbiome in the prevention of colorectal cancer. 2022 , 315-328	0
109	Role of the microbiome in the function and diseases of the digestive system. 2022 , 93-105	0
108	Genetic and epigenetic dependencies in colorectal cancer development. 2022 , 10,	1
107	Role of mushroom polysaccharides in improving gut health and associated diseases. 2022 , 431-448	0
106	Inflammatory Cytokine: An Attractive Target for Cancer Treatment. 2022 , 10, 2116	3
105	Meta-Analysis and Validation of a Colorectal Cancer Risk Prediction Model Using Deep Sequenced Fecal Metagenomes. 2022 , 14, 4214	0
104	Gut microbial DL-endopeptidase alleviates Crohn's disease via the NOD2 pathway. 2022 ,	2
103	Biofilm competency of <i>Desulfovibrio vulgaris</i> Hildenborough facilitates colonization in the gut and represses adenoma development in a rat model of colon cancer.	0
102	Morning chronotype and digestive tract cancers: Mendelian randomization study.	0
101	Integrative analysis of the mouse fecal microbiome and metabolome reveal dynamic phenotypes in the development of colorectal cancer. 13,	0
100	Batch Normalization Followed by Merging Is Powerful for Phenotype Prediction Integrating Multiple Heterogeneous Studies.	0
99	Communication in non-communicable diseases (NCDs) and role of immunomodulatory nutraceuticals in their management. 9,	0
98	Race, age, and sex differences on the influence of obesity on colorectal cancer sidedness and mortality: A national cross-sectional study.	0
97	Effects of supplementing with <i>Humulus scandens</i> on the growth performance and gut microbiota in piglets.	0

96	Exploring the mechanism of action of Sanzi formula in intervening colorectal adenoma by targeting intestinal flora and intestinal metabolism. 13,	0
95	Expansion of Colorectal Cancer Biomarkers Based on Gut Bacteria and Viruses. 2022 , 14, 4662	2
94	Modulation of tumor environment in colorectal cancer [Could gut microbiota be a key player?]. 1,	0
93	Role of a probiotic strain in the modulation of gut microbiota and cytokines in inflammatory bowel disease. 2022 , 102652	0
92	Meta-analysis of fecal viromes demonstrates high diagnostic potential of the gut viral signatures for colorectal cancer and adenoma risk assessment. 2022 ,	1
91	Recent advances in the diagnostic and therapeutic roles of microRNAs in colorectal cancer progression and metastasis. 12,	0
90	Identification of oncogenic signatures in the inflammatory colon of C57BL/6 mice fed a high fat diet. 2022 , 109188	0
89	The effect of Porphyromonas gingivalis on the gut microbiome of mice in relation to aging.	0
88	Host Genetics and Microbiota Interactions in Colorectal Cancer: Shared or Independent Risk?. 2022 , 10, 2129	0
87	Possible Processes and Mechanisms of Hexachlorobenzene Decomposition by the Selected Comamonas testosteroni Bacterial Strains. 2022 , 10, 2170	0
86	Microbiome analysis reveals universal diagnostic biomarkers for colorectal cancer across populations and technologies. 13,	0
85	A Catalog of over 5,000 Metagenome-Assembled Microbial Genomes from the Caprinae Gut Microbiota.	0
84	TaxiBGC: a Taxonomy-Guided Approach for Profiling Experimentally Characterized Microbial Biosynthetic Gene Clusters and Secondary Metabolite Production Potential in Metagenomes.	1
83	Identification of multi-omic biomarkers from Fecal DNA for improved Detection of Colorectal Cancer and precancerous lesions.	0
82	Faecal microbiome-based machine learning for multi-class disease diagnosis. 2022 , 13,	0
81	The crosstalk between intestinal bacterial microbiota and immune cells in colorectal cancer progression.	1
80	Compartmentalization of the host microbiome: how tumor microbiota shapes checkpoint immunotherapy outcome and offers therapeutic prospects. 2022 , 10, e005401	0
79	The impact of the microbiome in cancer: Targeting metabolism of cancer cells and host. 12,	0

78	Bioinformatic methods for stratification of obese patients and identification of cancer susceptibility biomarkers based on the analysis of the gut microbiome.	○
77	Metagenomic insights into feasibility of agricultural wastes on optimizing water quality and natural bait by regulating microbial loop. 2023 , 217, 114941	○
76	Living probiotic biomaterials for osteoporosis therapy. 2023 , 1, 52-64	○
75	Do we need to change our perspective about gut biomarkers? A public data mining approach to identify differentially abundant bacteria in intestinal inflammatory diseases. 12,	○
74	Intratumoral microbiome and gastrointestinal cancers. 12,	○
73	Enterotypical Prevotella and three novel bacterial biomarkers in preoperative stool predict the clinical outcome of colorectal cancer. 2022 , 10,	○
72	Gut microbiome in tumorigenesis and therapy of colorectal cancer.	○
71	The Role of the Microbiome on the Pathogenesis and Treatment of Colorectal Cancer. 2022 , 14, 5685	○
70	Investigation of the gut microbiome, bile acid composition and host immunoinflammatory response in a model of azoxymethane-induced colon cancer at discrete timepoints.	○
69	Reproducible and opposing gut microbiome signatures distinguish autoimmune diseases and cancers: a systematic review and meta-analysis. 2022 , 10,	○
68	Implication of gut microbes and its metabolites in colorectal cancer.	1
67	Metagenomic analysis of the interaction between the gut microbiota and colorectal cancer: a paired-sample study based on the GMrepo database. 2022 , 14,	○
66	A population-based study of precision health assessments using multi-omics network-derived biological functional modules. 2022 , 3, 100847	○
65	Promotion of Deoxycholic Acid Effect on Colonic Cancer Cell Lines In Vitro by Altering the Mucosal Microbiota. 2022 , 10, 2486	○
64	Gut microbiota as an antioxidant system in centenarians associated with high antioxidant activities of gut-resident Lactobacillus. 2022 , 8,	1
63	Gut Microbiota Eubacterium callanderi Exerts Anti-Colorectal Cancer Activity. 2022 , 10,	1
62	Enhanced metagenomic deep learning for disease prediction and consistent signature recognition by restructured microbiome 2D representations. 2022 , 100658	○
61	Gut microbiota-mediated nucleotide synthesis attenuates the response to neoadjuvant chemoradiotherapy in rectal cancer. 2022 ,	○

- 60 A novel promising diagnosis model for colorectal advanced adenoma and carcinoma based on the progressive gut microbiota gene biomarkers. **2022**, 12, 0
- 59 Altered gut microbiome composition by appendectomy contributes to colorectal cancer. 1
- 58 Metagenomic insights into antibiotic resistance-related changes in microbial communities, resistome and mobilome under a modified A2/O treatment process for hospital sewage. **2022**, 109216 0
- 57 Research trends on the relationship between gut microbiota and colorectal cancer: A bibliometric analysis. 12, 0
- 56 Expanded catalogue of metagenome-assembled genomes reveals resistome characteristics and athletic performance-associated microbes in horse. **2023**, 11, 0
- 55 Tumor-associated microbiota in colorectal cancer with vascular tumor-thrombus and neural invasion and association with clinical prognosis. 0
- 54 Targeting Gut Microbiota in Colorectal Cancer. **2023**, 251-267 0
- 53 Long term follow-up of colorectal cancer screening attendees identifies differences in *Phascolarctobacterium* spp. using 16S rRNA and metagenome sequencing. 0
- 52 Microbiome in Colorectal Cancer. **2023**, 23-39 0
- 51 Microbiome and metabolic features of tissues and feces reveal diagnostic biomarkers for colorectal cancer. 14, 0
- 50 Integrated analysis of the gut microbiome and metabolome in a mouse model of inflammation-induced colorectal tumors. 13, 0
- 49 Implications of hydrogen sulfide in colorectal cancer: Mechanistic insights and diagnostic and therapeutic strategies. **2023**, 59, 102601 2
- 48 Diet-mediated gut microbial community modulation and signature metabolites as potential biomarkers for early diagnosis, prognosis, prevention and stage-specific treatment of colorectal cancer. **2022**, 0
- 47 Fecal Microbiota Restoration Modulates the Microbiome in Inflammation-Driven Colorectal Cancer. 0
- 46 How is gut microbiome of patients with familial adenomatous polyposis different from healthy people?. **2022**, 101, e32194 0
- 45 Role of Bacteria in the Development of Colorectal Cancer. 0
- 44 Gut Microbiota Analysis and In Silico Biomarker Detection of Children with Autism Spectrum Disorder across Cohorts. **2023**, 11, 291 0
- 43 Understanding the role of the gut microbiome in gastrointestinal cancer: A review. 14, 0

- 42 Recurrent phases of strict protein limitation inhibit tumor growth and restore lifespan in a *Drosophila* intestinal cancer model. ○
- 41 Enrichment of oral-derived bacteria in inflamed colorectal tumors and distinct associations of *Fusobacterium* in the mesenchymal subtype. **2023**, 100920 ○
- 40 Gut Microbiota of the Asian-Indian Type 2 Diabetes Phenotype: How Different It Is from the Rest of the World?. ○
- 39 Mikrobiom und gastrointestinale Erkrankungen. **2023**, 1-14 ○
- 38 Interaction between Microbes and Host in Sow Vaginas in Early Pregnancy. ○
- 37 Bile salt hydrolase in non-enterotoxigenic *Bacteroides* potentiates colorectal cancer. **2023**, 14, ○
- 36 Metagenomic evidence for antibiotics-driven co-evolution of microbial community, resistome and mobilome in hospital sewage. **2023**, 327, 121539 ○
- 35 Natural Compounds Targeting the Autophagy Pathway in the Treatment of Colorectal Cancer. **2023**, 24, 7310 ○
- 34 Metabolic independence drives gut microbial colonization and resilience in health and disease. **2023**, 24, ○
- 33 Remodeling of the Gut Microbiota in Colorectal Cancer and its Association with Obesity. **2023**, 29, 256-271 ○
- 32 A Deep Learning Approach to Predict Health Status Using Microbiome Profiling. **2022**, ○
- 31 Gut Microbiota in Colorectal Cancer: Biological Role and Therapeutic Opportunities. **2023**, 15, 866 ○
- 30 Growth Stages and Inter-Species Gut Microbiota Composition and Function in Captive Red Deer (*Cervus elaphus alxaiicus*) and Blue Sheep (*Pseudois nayaur*). **2023**, 13, 553 ○
- 29 Effects of levodopa on gut bacterial antibiotic resistance in Parkinson's disease rat. 15, ○
- 28 *Phocaeicola oris* sp. nov., an anaerobic bacterium isolated from the saliva of a patient with oral squamous cell carcinoma. **2023**, 73, ○
- 27 Comparison of the gut microbiome and resistome in captive African and Asian elephants on the same diet. 10, ○
- 26 The Debate between the Human Microbiota and Immune System in Treating Aerodigestive and Digestive Tract Cancers: A Review. **2023**, 11, 492 ○
- 25 Misuse of reporter score in microbial enrichment analysis. ○

- 24 Variations in gut microbiome and metabolites of dogs with acute diarrhea in poodles and Labrador retrievers. **2023**, 205, ○
- 23 The Colorectal Cancer Gut Environment Regulates Activity of the Microbiome and Promotes the Multidrug Resistant Phenotype of ESKAPE and Other Pathogens. **2023**, 8, 1
- 22 Correlation of the gut microbiome and immune-related adverse events in gastrointestinal cancer patients treated with immune checkpoint inhibitors. 13, ○
- 21 Tissue vs. Fecal-Derived Bacterial Dysbiosis in Precancerous Colorectal Lesions: A Systematic Review. **2023**, 15, 1602 ○
- 20 Comprehensive analysis of microbiota signature across 32 cancer types. 13, ○
- 19 The Role of the Oral Microbiome in the Development of Diseases. **2023**, 24, 5231 ○
- 18 Uncovering the link between gut microbiome, highly processed food consumption and diet quality through bioinformatics methods. ○
- 17 Tumor bacterial markers diagnose the initiation and four stages of colorectal cancer. 13, ○
- 16 Genetic heterogeneity of colorectal cancer and the microbiome. 15, 443-463 ○
- 15 Global research on the crosstalk between intestinal microbiome and colorectal cancer: A visualization analysis. 13, ○
- 14 *Bacillus subtilis* DSM29784 attenuates *Clostridium perfringens*-induced intestinal damage of broilers by modulating intestinal microbiota and the metabolome. 14, ○
- 13 Urea cycle activation triggered by host-microbiota maladaptation driving colorectal tumorigenesis. **2023**, 35, 651-666.e7 ○
- 12 Analysis of the relationship between the gut microbiota enterotypes and colorectal adenoma. 14, ○
- 11 Alterations of commensal microbiota are associated with pancreatic cancer. 039361552311667 ○
- 10 Longevity of centenarians is reflected by the gut microbiome with youth-associated signatures. **2023**, 3, 436-449 ○
- 9 Exploring the Outcome of Disappearance or Small Remnants of Colorectal Liver Metastases during First-Line Chemotherapy on Hepatobiliary Contrast-Enhanced and Diffusion-Weighted MR Imaging. **2023**, 15, 2200 ○
- 8 Large-scale phage cultivation for commensal human gut bacteria. **2023**, 31, 665-677.e7 ○
- 7 Fecal Microbiota Restoration Modulates the Microbiome in Inflammation-Driven Colorectal Cancer. **2023**, 15, 2260 ○

- 6 Escherichia coli from biopsies differ in virulence genes between patients with colorectal neoplasia and healthy controls. 14,
- 5 Circulating markers of microbial translocation and host response to bacteria with risk of colorectal cancer: a prospective, nested case-control study in men. **2023**, 91, 104566
- 4 Complete bacterial profile and potential pathogens of cat fleas Ctenocephalides felis. **2023**, 243, 106923
- 3 New insight into the microbiome, resistome, and mobilome on the dental waste water in the context of heavy metal environment. 14,
- 2 Benchmarking microbial DNA enrichment protocols from human intestinal biopsies. 14,
- 1 Revitalizing myocarditis treatment through gut microbiota modulation: unveiling a promising therapeutic avenue. 13,