

Liping Zhao

List of Publications by Year in Descending Order

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

70
papers

5,806
citations

30
h-index

76
g-index

83
ext. papers

8,144
ext. citations

9.8
avg. IF

5.97
L-index

#	Paper	IF	Citations
70	Gut Microbiota and Immune Modulatory Properties of Human Breast Milk and Strains.. <i>Frontiers in Nutrition</i> , 2022 , 9, 798403	6.2	0
69	Nutritional Modulation of Gut Microbiota Alleviates Severe Gastrointestinal Symptoms in a Patient with Post-Acute COVID-19 Syndrome.. <i>MBio</i> , 2022 , e0380121	7.8	4
68	High-Fiber Diet or Combined With Acarbose Alleviates Heterogeneous Phenotypes of Polycystic Ovary Syndrome by Regulating Gut Microbiota.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 806331	5.7	2
67	The human microbiome encodes resistance to the antidiabetic drug acarbose. <i>Nature</i> , 2021 , 600, 110-115	50.4	8
66	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021 , 27, 1885-1892	50.5	19
65	Ketogenic Diets Induced Glucose Intolerance and Lipid Accumulation in Mice with Alterations in Gut Microbiota and Metabolites. <i>MBio</i> , 2021 , 12,	7.8	4
64	Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaption of in Obese Children. <i>Frontiers in Microbiology</i> , 2021 , 12, 683714	5.7	0
63	Elemental iron modifies the redox environment of the gastrointestinal tract: A novel therapeutic target and test for metabolic syndrome. <i>Free Radical Biology and Medicine</i> , 2021 , 168, 203-213	7.8	2
62	The human gut microbiome and health inequities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	13
61	Demonstration of causality: back to cultures. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021 , 18, 97-98	24.2	4
60	Active phase prebiotic feeding alters gut microbiota, induces weight-independent alleviation of hepatic steatosis and serum cholesterol in high-fat diet-fed mice. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 448-458	6.8	3
59	Suppressed inflammation in obese children induced by a high-fiber diet is associated with the attenuation of gut microbial virulence factor genes. <i>Virulence</i> , 2021 , 12, 1754-1770	4.7	3
58	Guild-based analysis for understanding gut microbiome in human health and diseases. <i>Genome Medicine</i> , 2021 , 13, 22	14.4	22
57	Functional drink powders from vertical-stone-milled oat and highland barley with high dietary-fiber levels decrease the postprandial glycemic response. <i>Journal of Functional Foods</i> , 2021 , 83, 104548	5.1	2
56	Endotoxin Producers Overgrowing in Human Gut Microbiota as the Causative Agents for Nonalcoholic Fatty Liver Disease. <i>MBio</i> , 2020 , 11,	7.8	48
55	Gut Bacteria Shared by Children and Their Mothers Associate with Developmental Level and Social Deficits in Autism Spectrum Disorder. <i>MSphere</i> , 2020 , 5,	5	2
54	Microstructure-modified products from stone-milled wheat bran powder improve glycemic response and sustain colonic fermentation. <i>International Journal of Biological Macromolecules</i> , 2020 , 153, 1193-1201	7.9	8

53	Strain Promoted by a High-Fiber Diet in Genetic Obese Child Alleviates Lipid Metabolism and Modifies Gut Microbiota in Mice on a Western Diet. <i>Microorganisms</i> , 2020 , 8,	4.9	11
52	Green Tea Polyphenols Modify the Gut Microbiome in db/db Mice as Co-Abundance Groups Correlating with the Blood Glucose Lowering Effect. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1801064	5.9	43
51	Non-synchronous Structural and Functional Dynamics During the Coalescence of Two Distinct Soil Bacterial Communities. <i>Frontiers in Microbiology</i> , 2019 , 10, 1125	5.7	4
50	Hyperactivation of the NLRP3 inflammasome protects mice against influenza A virus infection via IL-1 β mediated neutrophil recruitment. <i>Cytokine</i> , 2019 , 120, 115-124	4	19
49	A More Robust Gut Microbiota in Calorie-Restricted Mice Is Associated with Attenuated Intestinal Injury Caused by the Chemotherapy Drug Cyclophosphamide. <i>MBio</i> , 2019 , 10,	7.8	25
48	Strain-Specific Anti-inflammatory Properties of Two Strains on Chronic Colitis in Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 239	5.9	118
47	miRNA-Gene Regulatory Network in Gnotobiotic Mice Stimulated by Dysbiotic Gut Microbiota Transplanted From a Genetically Obese Child. <i>Frontiers in Microbiology</i> , 2019 , 10, 1517	5.7	5
46	Why we need to curb the emerging worldwide epidemic of nonalcoholic fatty liver disease. <i>Nature Metabolism</i> , 2019 , 1, 1027-1029	14.6	8
45	Gastrointestinal Microbiology in the Normal Host 2019 , 362-362		
44	Meta-analysis Reveals Potential Influence of Oxidative Stress on the Airway Microbiomes of Cystic Fibrosis Patients. <i>Genomics, Proteomics and Bioinformatics</i> , 2019 , 17, 590-602	6.5	3
43	Timing of Calorie Restriction in Mice Impacts Host Metabolic Phenotype with Correlative Changes in Gut Microbiota. <i>MSystems</i> , 2019 , 4,	7.6	14
42	Quantification of Human Oral and Fecal by Use of Quantitative Real-Time PCR Targeting the Gene. <i>Frontiers in Microbiology</i> , 2019 , 10, 2910	5.7	2
41	Gut bacteria selectively promoted by dietary fibers alleviate type 2 diabetes. <i>Science</i> , 2018 , 359, 1151-1156	39.3	904
40	Enterotypes in the landscape of gut microbial community composition. <i>Nature Microbiology</i> , 2018 , 3, 8-16	26.6	387
39	Predominant gut <i>Lactobacillus murinus</i> strain mediates anti-inflammaging effects in calorie-restricted mice. <i>Microbiome</i> , 2018 , 6, 54	16.6	65
38	Initial gut microbiota structure affects sensitivity to DSS-induced colitis in a mouse model. <i>Science China Life Sciences</i> , 2018 , 61, 762-769	8.5	49
37	Causality in dietary interventions-building a case for gut microbiota. <i>Genome Medicine</i> , 2018 , 10, 62	14.4	17
36	Genetically Obese Human Gut Microbiota Induces Liver Steatosis in Germ-Free Mice Fed on Normal Diet. <i>Frontiers in Microbiology</i> , 2018 , 9, 1602	5.7	25

35	Dietary Tomato Powder Inhibits High-Fat Diet-Promoted Hepatocellular Carcinoma with Alteration of Gut Microbiota in Mice Lacking Carotenoid Cleavage Enzymes. <i>Cancer Prevention Research</i> , 2018 , 11, 797-810	3.2	19
34	Structural Alteration of Gut Microbiota during the Amelioration of Human Type 2 Diabetes with Hyperlipidemia by Metformin and a Traditional Chinese Herbal Formula: a Multicenter, Randomized, Open Label Clinical Trial. <i>MBio</i> , 2018 , 9,	7.8	139
33	Genomic Microdiversity of Underlying Differential Strain-Level Responses to Dietary Carbohydrate Intervention. <i>MBio</i> , 2017 , 8,	7.8	31
32	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. <i>Cell Metabolism</i> , 2017 , 25, 522-534	24.6	77
31	Fiber-utilizing capacity varies in Prevotella- versus Bacteroides-dominated gut microbiota. <i>Scientific Reports</i> , 2017 , 7, 2594	4.9	216
30	Towards standards for human fecal sample processing in metagenomic studies. <i>Nature Biotechnology</i> , 2017 , 35, 1069-1076	44.5	355
29	A human stool-derived strain caused systemic inflammation in specific-pathogen-free mice. <i>Gut Pathogens</i> , 2017 , 9, 59	5.4	67
28	Gender-based differences in host behavior and gut microbiota composition in response to high fat diet and stress in a mouse model. <i>Scientific Reports</i> , 2017 , 7, 10776	4.9	61
27	Remodelling of the gut microbiota by hyperactive NLRP3 induces regulatory T cells to maintain homeostasis. <i>Nature Communications</i> , 2017 , 8, 1896	17.4	96
26	Time-resolved analysis of a denitrifying bacterial community revealed a core microbiome responsible for the anaerobic degradation of quinoline. <i>Scientific Reports</i> , 2017 , 7, 14778	4.9	13
25	Dysbiosis of Gut Microbiota Associated with Clinical Parameters in Polycystic Ovary Syndrome. <i>Frontiers in Microbiology</i> , 2017 , 8, 324	5.7	121
24	Gut Microbial Dysbiosis Is Associated with Altered Hepatic Functions and Serum Metabolites in Chronic Hepatitis B Patients. <i>Frontiers in Microbiology</i> , 2017 , 8, 2222	5.7	97
23	Accelerated dysbiosis of gut microbiota during aggravation of DSS-induced colitis by a butyrate-producing bacterium. <i>Scientific Reports</i> , 2016 , 6, 27572	4.9	99
22	The structural alteration of gut microbiota in low-birth-weight mice undergoing accelerated postnatal growth. <i>Scientific Reports</i> , 2016 , 6, 27780	4.9	18
21	Diminution of the gut resistome after a gut microbiota-targeted dietary intervention in obese children. <i>Scientific Reports</i> , 2016 , 6, 24030	4.9	22
20	Back to the Future of Soil Metagenomics. <i>Frontiers in Microbiology</i> , 2016 , 7, 73	5.7	82
19	Regulated Inflammation and Lipid Metabolism in Colon mRNA Expressions of Obese Germfree Mice Responding to B29 Combined with the High Fat Diet. <i>Frontiers in Microbiology</i> , 2016 , 7, 1786	5.7	7
18	Strain-level dissection of the contribution of the gut microbiome to human metabolic disease. <i>Genome Medicine</i> , 2016 , 8, 41	14.4	59

17	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <i>EBioMedicine</i> , 2015 , 2, 968-84	8.8	198
16	A Filifactor alocis-centered co-occurrence group associates with periodontitis across different oral habitats. <i>Scientific Reports</i> , 2015 , 5, 9053	4.9	45
15	Desulfovibrio desulfuricans isolates from the gut of a single individual: structural and biological lipid A characterization. <i>FEBS Letters</i> , 2015 , 589, 165-71	3.8	48
14	Modulation of gut microbiota during probiotic-mediated attenuation of metabolic syndrome in high fat diet-fed mice. <i>ISME Journal</i> , 2015 , 9, 1-15	11.9	536
13	Prime-boost vaccination with Bacillus Calmette Guerin and a recombinant adenovirus co-expressing CFP10, ESAT6, Ag85A and Ag85B of Mycobacterium tuberculosis induces robust antigen-specific immune responses in mice. <i>Molecular Medicine Reports</i> , 2015 , 12, 3073-80	2.9	13
12	Differential responses of gut microbiota to the same prebiotic formula in oligotrophic and eutrophic batch fermentation systems. <i>Scientific Reports</i> , 2015 , 5, 13469	4.9	20
11	Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats. <i>Scientific Reports</i> , 2015 , 5, 14405	4.9	363
10	Fecal menaquinone profiles of overweight adults are associated with gut microbiota composition during a gut microbiota-targeted dietary intervention. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 84-93	7	24
9	A phylo-functional core of gut microbiota in healthy young Chinese cohorts across lifestyles, geography and ethnicities. <i>ISME Journal</i> , 2015 , 9, 1979-90	11.9	231
8	Structural modulation of gut microbiota during alleviation of type 2 diabetes with a Chinese herbal formula. <i>ISME Journal</i> , 2015 , 9, 552-62	11.9	267
7	A recombinant adenovirus expressing CFP10, ESAT6, Ag85A and Ag85B of Mycobacterium tuberculosis elicits strong antigen-specific immune responses in mice. <i>Molecular Immunology</i> , 2014 , 62, 86-95	4.3	22
6	A fullerene colloidal suspension stimulates the growth and denitrification ability of wastewater treatment sludge-derived bacteria. <i>Chemosphere</i> , 2014 , 108, 411-7	8.4	20
5	The gut microbiota and obesity: from correlation to causality. <i>Nature Reviews Microbiology</i> , 2013 , 11, 639-47	22.2	478
4	Targeting the human genome-microbiome axis for drug discovery: inspirations from global systems biology and traditional Chinese medicine. <i>Journal of Proteome Research</i> , 2012 , 11, 3509-19	5.6	49
3	Whole-body systems approaches for gut microbiota-targeted, preventive healthcare. <i>Journal of Biotechnology</i> , 2010 , 149, 183-90	3.7	39
2	Experimental investigation of integrated air purifying technology for bioaerosol removal and inactivation in central air-conditioning system. <i>Science Bulletin</i> , 2004 , 49, 306-310		3
1	Minimizing spurious features in 16S rRNA gene amplicon sequencing		5