

# Liping Zhao

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2248133/liping-zhao-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. 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.

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 bacteria selectively promoted by dietary fibers alleviate type 2 diabetes. <i>Science</i> , <b>2018</b> , 359, 1151-1156	39.3	904
69	Modulation of gut microbiota during probiotic-mediated attenuation of metabolic syndrome in high fat diet-fed mice. <i>ISME Journal</i> , <b>2015</b> , 9, 1-15	11.9	536
68	The gut microbiota and obesity: from correlation to causality. <i>Nature Reviews Microbiology</i> , <b>2013</b> , 11, 639-47	22.2	478
67	Enterotypes in the landscape of gut microbial community composition. <i>Nature Microbiology</i> , <b>2018</b> , 3, 8-16	26.6	387
66	Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats. <i>Scientific Reports</i> , <b>2015</b> , 5, 14405	4.9	363
65	Towards standards for human fecal sample processing in metagenomic studies. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 1069-1076	44.5	355
64	Structural modulation of gut microbiota during alleviation of type 2 diabetes with a Chinese herbal formula. <i>ISME Journal</i> , <b>2015</b> , 9, 552-62	11.9	267
63	A phylo-functional core of gut microbiota in healthy young Chinese cohorts across lifestyles, geography and ethnicities. <i>ISME Journal</i> , <b>2015</b> , 9, 1979-90	11.9	231
62	Fiber-utilizing capacity varies in Prevotella- versus Bacteroides-dominated gut microbiota. <i>Scientific Reports</i> , <b>2017</b> , 7, 2594	4.9	216
61	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. <i>EBioMedicine</i> , <b>2015</b> , 2, 968-84	8.8	198
60	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> , <b>2018</b> , 9,	7.8	139
59	Dysbiosis of Gut Microbiota Associated with Clinical Parameters in Polycystic Ovary Syndrome. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 324	5.7	121
58	Strain-Specific Anti-inflammatory Properties of Two Strains on Chronic Colitis in Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 239	5.9	118
57	Accelerated dysbiosis of gut microbiota during aggravation of DSS-induced colitis by a butyrate-producing bacterium. <i>Scientific Reports</i> , <b>2016</b> , 6, 27572	4.9	99
56	Gut Microbial Dysbiosis Is Associated with Altered Hepatic Functions and Serum Metabolites in Chronic Hepatitis B Patients. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2222	5.7	97
55	Remodelling of the gut microbiota by hyperactive NLRP3 induces regulatory T cells to maintain homeostasis. <i>Nature Communications</i> , <b>2017</b> , 8, 1896	17.4	96
54	Back to the Future of Soil Metagenomics. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 73	5.7	82

53	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. <i>Cell Metabolism</i> , <b>2017</b> , 25, 522-534	24.6	77
52	A human stool-derived strain caused systemic inflammation in specific-pathogen-free mice. <i>Gut Pathogens</i> , <b>2017</b> , 9, 59	5.4	67
51	Predominant gut <i>Lactobacillus murinus</i> strain mediates anti-inflammaging effects in calorie-restricted mice. <i>Microbiome</i> , <b>2018</b> , 6, 54	16.6	65
50	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> , <b>2017</b> , 7, 10776	4.9	61
49	Strain-level dissection of the contribution of the gut microbiome to human metabolic disease. <i>Genome Medicine</i> , <b>2016</b> , 8, 41	14.4	59
48	Initial gut microbiota structure affects sensitivity to DSS-induced colitis in a mouse model. <i>Science China Life Sciences</i> , <b>2018</b> , 61, 762-769	8.5	49
47	Targeting the human genome-microbiome axis for drug discovery: inspirations from global systems biology and traditional Chinese medicine. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 3509-19	5.6	49
46	<i>Desulfovibrio desulfuricans</i> isolates from the gut of a single individual: structural and biological lipid A characterization. <i>FEBS Letters</i> , <b>2015</b> , 589, 165-71	3.8	48
45	Endotoxin Producers Overgrowing in Human Gut Microbiota as the Causative Agents for Nonalcoholic Fatty Liver Disease. <i>MBio</i> , <b>2020</b> , 11,	7.8	48
44	A Filifactor <i>alocis</i> -centered co-occurrence group associates with periodontitis across different oral habitats. <i>Scientific Reports</i> , <b>2015</b> , 5, 9053	4.9	45
43	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> , <b>2019</b> , 63, e1801064	5.9	43
42	Whole-body systems approaches for gut microbiota-targeted, preventive healthcare. <i>Journal of Biotechnology</i> , <b>2010</b> , 149, 183-90	3.7	39
41	Genomic Microdiversity of Underlying Differential Strain-Level Responses to Dietary Carbohydrate Intervention. <i>MBio</i> , <b>2017</b> , 8,	7.8	31
40	A More Robust Gut Microbiota in Calorie-Restricted Mice Is Associated with Attenuated Intestinal Injury Caused by the Chemotherapy Drug Cyclophosphamide. <i>MBio</i> , <b>2019</b> , 10,	7.8	25
39	Genetically Obese Human Gut Microbiota Induces Liver Steatosis in Germ-Free Mice Fed on Normal Diet. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1602	5.7	25
38	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> , <b>2015</b> , 102, 84-93	7	24
37	Diminution of the gut resistome after a gut microbiota-targeted dietary intervention in obese children. <i>Scientific Reports</i> , <b>2016</b> , 6, 24030	4.9	22
36	A recombinant adenovirus expressing CFP10, ESAT6, Ag85A and Ag85B of <i>Mycobacterium tuberculosis</i> elicits strong antigen-specific immune responses in mice. <i>Molecular Immunology</i> , <b>2014</b> , 62, 86-95	4.3	22

35	Guild-based analysis for understanding gut microbiome in human health and diseases. <i>Genome Medicine</i> , <b>2021</b> , 13, 22	14.4	22
34	A fullerene colloidal suspension stimulates the growth and denitrification ability of wastewater treatment sludge-derived bacteria. <i>Chemosphere</i> , <b>2014</b> , 108, 411-7	8.4	20
33	Differential responses of gut microbiota to the same prebiotic formula in oligotrophic and eutrophic batch fermentation systems. <i>Scientific Reports</i> , <b>2015</b> , 5, 13469	4.9	20
32	Hyperactivation of the NLRP3 inflammasome protects mice against influenza A virus infection via IL-1 $\beta$ -mediated neutrophil recruitment. <i>Cytokine</i> , <b>2019</b> , 120, 115-124	4	19
31	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , <b>2021</b> , 27, 1885-1892	50.5	19
30	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> , <b>2018</b> , 11, 797-810	3.2	19
29	The structural alteration of gut microbiota in low-birth-weight mice undergoing accelerated postnatal growth. <i>Scientific Reports</i> , <b>2016</b> , 6, 27780	4.9	18
28	Causality in dietary interventions-building a case for gut microbiota. <i>Genome Medicine</i> , <b>2018</b> , 10, 62	14.4	17
27	Timing of Calorie Restriction in Mice Impacts Host Metabolic Phenotype with Correlative Changes in Gut Microbiota. <i>MSystems</i> , <b>2019</b> , 4,	7.6	14
26	Time-resolved analysis of a denitrifying bacterial community revealed a core microbiome responsible for the anaerobic degradation of quinoline. <i>Scientific Reports</i> , <b>2017</b> , 7, 14778	4.9	13
25	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> , <b>2015</b> , 12, 3073-80	2.9	13
24	The human gut microbiome and health inequities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	13
23	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> , <b>2020</b> , 8,	4.9	11
22	Why we need to curb the emerging worldwide epidemic of nonalcoholic fatty liver disease. <i>Nature Metabolism</i> , <b>2019</b> , 1, 1027-1029	14.6	8
21	The human microbiome encodes resistance to the antidiabetic drug acarbose. <i>Nature</i> , <b>2021</b> , 600, 110-115	50.4	8
20	Microstructure-modified products from stone-milled wheat bran powder improve glycemic response and sustain colonic fermentation. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 153, 1193-1201	7.9	8
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> , <b>2016</b> , 7, 1786	5.7	7
18	miRNA-Gene Regulatory Network in Gnotobiotic Mice Stimulated by Dysbiotic Gut Microbiota Transplanted From a Genetically Obese Child. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1517	5.7	5

17	Minimizing spurious features in 16S rRNA gene amplicon sequencing		5
16	Non-synchronous Structural and Functional Dynamics During the Coalescence of Two Distinct Soil Bacterial Communities. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1125	5.7	4
15	Ketogenic Diets Induced Glucose Intolerance and Lipid Accumulation in Mice with Alterations in Gut Microbiota and Metabolites. <i>MBio</i> , <b>2021</b> , 12,	7.8	4
14	Demonstration of causality: back to cultures. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2021</b> , 18, 97-98	24.2	4
13	Nutritional Modulation of Gut Microbiota Alleviates Severe Gastrointestinal Symptoms in a Patient with Post-Acute COVID-19 Syndrome.. <i>MBio</i> , <b>2022</b> , e0380121	7.8	4
12	Experimental investigation of integrated air purifying technology for bioaerosol removal and inactivation in central air-conditioning system. <i>Science Bulletin</i> , <b>2004</b> , 49, 306-310		3
11	Meta-analysis Reveals Potential Influence of Oxidative Stress on the Airway Microbiomes of Cystic Fibrosis Patients. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2019</b> , 17, 590-602	6.5	3
10	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> , <b>2021</b> , 19, 448-458	6.8	3
9	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> , <b>2021</b> , 12, 1754-1770	4.7	3
8	High-Fiber Diet or Combined With Acarbose Alleviates Heterogeneous Phenotypes of Polycystic Ovary Syndrome by Regulating Gut Microbiota.. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 806331	5.7	2
7	Gut Bacteria Shared by Children and Their Mothers Associate with Developmental Level and Social Deficits in Autism Spectrum Disorder. <i>MSphere</i> , <b>2020</b> , 5,	5	2
6	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> , <b>2021</b> , 168, 203-213	7.8	2
5	Quantification of Human Oral and Fecal by Use of Quantitative Real-Time PCR Targeting the Gene. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2910	5.7	2
4	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> , <b>2021</b> , 83, 104548	5.1	2
3	Gut Microbial SNPs Induced by High-Fiber Diet Dominate Nutrition Metabolism and Environmental Adaption of in Obese Children. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 683714	5.7	0
2	Gut Microbiota and Immune Modulatory Properties of Human Breast Milk and Strains.. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 798403	6.2	0
1	Gastrointestinal Microbiology in the Normal Host <b>2019</b> , 362-362		