Chenhong Zhang

List of Publications by Citations

46 papers	4,521 citations	22 h-index	55 g-index
55 ext. papers	6,208 ext. citations	8.7 avg, IF	5.27 L-index

#	Paper	IF	Citations
46	Gut bacteria selectively promoted by dietary fibers alleviate type 2 diabetes. *Science*, **2018**, 359, 1151-1156	37.3	904
45	Interactions between gut microbiota, host genetics and diet relevant to development of metabolic syndromes in mice. *ISME Journal*, **2010**, 4, 232-41	11.9	633
44	Modulation of gut microbiota during probiotic-mediated attenuation of metabolic syndrome in high fat diet-fed mice. *ISME Journal*, **2015**, 9, 1-15	11.9	536
43	Structural modulation of gut microbiota in life-long calorie-restricted mice. *Nature Communications*, **2013**, 4, 2163	17.4	305
42	Structural resilience of the gut microbiota in adult mice under high-fat dietary perturbations. *ISME Journal*, **2012**, 6, 1848-57	11.9	294
41	Structural modulation of gut microbiota during alleviation of type 2 diabetes with a Chinese herbal formula. *ISME Journal*, **2015**, 9, 552-62	11.9	267
40	Fiber-utilizing capacity varies in Prevotella- versus Bacteroides-dominated gut microbiota. *Scientific Reports*, **2017**, 7, 2594	4.9	216
39	Dietary Modulation of Gut Microbiota Contributes to Alleviation of Both Genetic and Simple Obesity in Children. *EBioMedicine*, **2015**, 2, 968-84	8.8	198
38	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. *MBio*, **2018**, 9,	7.8	139
37	Dysbiosis of Gut Microbiota Associated with Clinical Parameters in Polycystic Ovary Syndrome. *Frontiers in Microbiology*, **2017**, 8, 324	5.7	121
36	Strain-Specific Anti-inflammatory Properties of Two Strains on Chronic Colitis in Mice. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 239	5.9	118
35	Accelerated dysbiosis of gut microbiota during aggravation of DSS-induced colitis by a butyrate-producing bacterium. *Scientific Reports*, **2016**, 6, 27572	4.9	99
34	Remodelling of the gut microbiota by hyperactive NLRP3 induces regulatory T cells to maintain homeostasis. *Nature Communications*, **2017**, 8, 1896	17.4	96
33	Alterations in the gut microbiome and metabolism with coronary artery disease severity. *Microbiome*, **2019**, 7, 68	16.6	93
32	Predominant gut Lactobacillus murinus strain mediates anti-inflammaging effects in calorie-restricted mice. *Microbiome*, **2018**, 6, 54	16.6	65
31	Strain-level dissection of the contribution of the gut microbiome to human metabolic disease. *Genome Medicine*, **2016**, 8, 41	14.4	59
30	Initial gut microbiota structure affects sensitivity to DSS-induced colitis in a mouse model. *Science China Life Sciences*, **2018**, 61, 762-769	8.5	49

29	The Association between Cardiorespiratory Fitness and Gut Microbiota Composition in Premenopausal Women. *Nutrients*, **2017**, 9,	6.7	38
28	Genomic Microdiversity of Underlying Differential Strain-Level Responses to Dietary Carbohydrate Intervention. *MBio*, **2017**, 8,	7.8	31
27	A More Robust Gut Microbiota in Calorie-Restricted Mice Is Associated with Attenuated Intestinal Injury Caused by the Chemotherapy Drug Cyclophosphamide. *MBio*, **2019**, 10,	7.8	25
26	Genetically Obese Human Gut Microbiota Induces Liver Steatosis in Germ-Free Mice Fed on Normal Diet. *Frontiers in Microbiology*, **2018**, 9, 1602	5.7	25
25	Fecal menaquinone profiles of overweight adults are associated with gut microbiota composition during a gut microbiota-targeted dietary intervention. *American Journal of Clinical Nutrition*, **2015**, 102, 84-93	7	24
24	Diminution of the gut resistome after a gut microbiota-targeted dietary intervention in obese children. *Scientific Reports*, **2016**, 6, 24030	4.9	22
23	Guild-based analysis for understanding gut microbiome in human health and diseases. *Genome Medicine*, **2021**, 13, 22	14.4	22
22	The structural alteration of gut microbiota in low-birth-weight mice undergoing accelerated postnatal growth. *Scientific Reports*, **2016**, 6, 27780	4.9	18
21	Causality in dietary interventions-building a case for gut microbiota. *Genome Medicine*, **2018**, 10, 62	14.4	17
20	Timing of Calorie Restriction in Mice Impacts Host Metabolic Phenotype with Correlative Changes in Gut Microbiota. *MSystems*, **2019**, 4,	7.6	14
19	Strain Promoted by a High-Fiber Diet in Genetic Obese Child Alleviates Lipid Metabolism and Modifies Gut Microbiota in Mice on a Western Diet. *Microorganisms*, **2020**, 8,	4.9	11
18	Fungal and bacterial microbiome dysbiosis and imbalance of trans-kingdom network in asthma. *Clinical and Translational Allergy*, **2020**, 10, 42	5.2	10
17	DNA Phosphorothioate Modifications Are Widely Distributed in the Human Microbiome. *Biomolecules*, **2020**, 10,	5.9	8
16	Association Between Gut Microbiota and Symptomatic Hand Osteoarthritis: Data From the Xiangya Osteoarthritis Study. *Arthritis and Rheumatology*, **2021**, 73, 1656-1662	9.5	8
15	Regulated Inflammation and Lipid Metabolism in Colon mRNA Expressions of Obese Germfree Mice Responding to B29 Combined with the High Fat Diet. *Frontiers in Microbiology*, **2016**, 7, 1786	5.7	7
14	miRNA-Gene Regulatory Network in Gnotobiotic Mice Stimulated by Dysbiotic Gut Microbiota Transplanted From a Genetically Obese Child. *Frontiers in Microbiology*, **2019**, 10, 1517	5.7	5
13	Minimizing spurious features in 16S rRNA gene amplicon sequencing		5
12	Clinical characteristics associated with the properties of gut microbiota in peritoneal dialysis patients. *Peritoneal Dialysis International*, **2021**, 41, 298-306	2.8	5

11	Characteristics of the Gut Microbiota and Metabolism in Patients With Latent Autoimmune Diabetes in Adults: A Case-Control Study. *Diabetes Care*, **2021**, 44, 2738-2746	14.6	4
10	Ketogenic Diets Induced Glucose Intolerance and Lipid Accumulation in Mice with Alterations in Gut Microbiota and Metabolites. *MBio*, **2021**, 12,	7.8	4
9	Ginsenoside Rb1 Improves Metabolic Disorder in High-Fat Diet-Induced Obese Mice Associated With Modulation of Gut Microbiota.. *Frontiers in Microbiology*, **2022**, 13, 826487	5.7	4
8	Insights into gut microbiome and its functional pathways in asthma patients through high-throughput sequencing. *Future Microbiology*, **2021**, 16, 421-438	2.9	3
7	Active phase prebiotic feeding alters gut microbiota, induces weight-independent alleviation of hepatic steatosis and serum cholesterol in high-fat diet-fed mice. *Computational and Structural Biotechnology Journal*, **2021**, 19, 448-458	6.8	3
6	The effect of calorie intake, fasting, and dietary composition on metabolic health and gut microbiota in mice. *BMC Biology*, **2021**, 19, 51	7.3	3
5	High-Fiber Diet or Combined With Acarbose Alleviates Heterogeneous Phenotypes of Polycystic Ovary Syndrome by Regulating Gut Microbiota.. *Frontiers in Endocrinology*, **2021**, 12, 806331	5.7	2
4	Gut Bacteria Shared by Children and Their Mothers Associate with Developmental Level and Social Deficits in Autism Spectrum Disorder. *MSphere*, **2020**, 5,	5	2
3	Quantification of Human Oral and Fecal by Use of Quantitative Real-Time PCR Targeting the Gene. *Frontiers in Microbiology*, **2019**, 10, 2910	5.7	2
2	A randomized controlled trial for response of microbiome network to exercise and diet intervention in patients with nonalcoholic fatty liver disease.. *Nature Communications*, **2022**, 13, 2555	17.4	2
1	A Comprehensive Analysis of Genomics and Metagenomics in a Heterozygote Familial Hypercholesterolemia Family. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 605954	5.9	1