

# Qi-Xiao Zhai

## 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.

79 papers	1,550 citations	22 h-index	37 g-index
88 ext. papers	2,426 ext. citations	6 avg, IF	5.19 L-index

#	Paper	IF	Citations
79	Can dietary patterns prevent cognitive impairment and reduce Alzheimer's disease risk: exploring the underlying mechanisms of effects.. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2022</b> , 104556	9	2
78	Protective effects of different strains against lipopolysaccharide-induced acute intestinal injury, and their underlying functional genes.. <i>Journal of Advanced Research</i> , <b>2022</b> , 36, 27-37	13	6
77	Underlying mechanisms of the antagonistic effects of Bifidobacterium adolescentis CCFM1108 on Penicillium expansum: Based on comparative transcriptome analysis. <i>Food Bioscience</i> , <b>2022</b> , 101693	4.9	
76	Dose-dependent effects of chronic lead toxicity in vivo: Focusing on trace elements and gut microbiota.. <i>Chemosphere</i> , <b>2022</b> , 134670	8.4	1
75	MLST analysis of genetic diversity of Bacillus coagulans strains to evaluate effects on constipation model. <i>Food Science and Human Wellness</i> , <b>2022</b> , 11, 815-827	8.3	0
74	An Illumina MiSeq sequencing-based method using the mreB gene for high-throughput discrimination of Pseudomonas species in raw milk. <i>LWT - Food Science and Technology</i> , <b>2022</b> , 163, 113573	5.4	3
73	Effects of Bacillus coagulans GBI-30, 6086 as an adjunct starter culture on the production of yogurt. <i>Food Research International</i> , <b>2022</b> , 111398	7	1
72	Meta-analysis of randomized controlled trials of the effects of probiotics on type 2 diabetes in adults.. <i>Clinical Nutrition</i> , <b>2021</b> , 41, 365-373	5.9	3
71	Protective Effects of CCFM8610 against Acute Toxicity Caused by Different Food-Derived Forms of Cadmium in Mice. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
70	Probiotic consumption influences universal adaptive mutations in indigenous human and mouse gut microbiota. <i>Communications Biology</i> , <b>2021</b> , 4, 1198	6.7	3
69	Sulforaphane ameliorates non-alcoholic fatty liver disease in mice by promoting FGF21/FGFR1 signaling pathway. <i>Acta Pharmacologica Sinica</i> , <b>2021</b> ,	8	3
68	Genomic analysis of B. coagulans ATCC 7050T reveals its adaption to fermented milk as an adjunct starter culture for yogurt. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 154, 112721	5.4	2
67	Roles of intestinal in human health and diseases. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 61, 3518-3536	11.5	14
66	Gene-Phenotype Associations Involving Human-Residential Bifidobacteria (HRB) Reveal Significant Species- and Strain-Specificity in Carbohydrate Catabolism. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	1
65	Quantitative Detection of Strains in Feces Using Strain-Specific Primers. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	1
64	Desulfovibrio diazotrophicus sp. nov., a sulfate-reducing bacterium from the human gut capable of nitrogen fixation. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 3164-3181	5.2	9
63	The influence of gut microbiome on bone health and related dietary strategies against bone dysfunctions. <i>Food Research International</i> , <b>2021</b> , 144, 110331	7	4

62	Phocaeicola faecalis sp. nov., a strictly anaerobic bacterial strain adapted to the human gut ecosystem. <i>Antonie Van Leeuwenhoek</i> , <b>2021</b> , 114, 1225-1235	2.1	1
61	Mining genome traits that determine the different gut colonization potential of and species. <i>Microbial Genomics</i> , <b>2021</b> , 7,	4.4	1
60	Effects of Bacillus coagulans as an adjunct starter culture on yogurt quality and storage. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 7466-7479	4	4
59	Lactobacillus plantarum-Mediated Regulation of Dietary Aluminum Induces Changes in the Human Gut Microbiota: an In Vitro Colonic Fermentation Study. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 13, 398-412	5.5	5
58	A new Illumina MiSeq high-throughput sequencing-based method for evaluating the composition of the Bacteroides community in the intestine using the rpsD gene sequence. <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 577-586	6.3	3
57	Gut Colonization Mechanisms of and : An Argument for Personalized Designs. <i>Annual Review of Food Science and Technology</i> , <b>2021</b> , 12, 213-233	14.7	8
56	Dose-dependent effects of lead induced gut injuries: An in vitro and in vivo study. <i>Chemosphere</i> , <b>2021</b> , 266, 129130	8.4	8
55	An optimized culture medium to isolate strains from the human intestinal tract. <i>Food and Function</i> , <b>2021</b> , 12, 6740-6754	6.1	1
54	Strain-Specific Effects of on Hypercholesterolemic Rats and Potential Mechanisms. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
53	Identification of the key characteristics of strains for the alleviation of ulcerative colitis. <i>Food and Function</i> , <b>2021</b> , 12, 3476-3492	6.1	2
52	Phylogenetic and comparative genomic analysis of Lactobacillus fermentum Strains and the Key Genes Related to their Intestinal Anti-inflammatory Effects. <i>Engineering</i> , <b>2021</b> ,	9.7	2
51	Lead-induced gut injuries and the dietary protective strategies: A review. <i>Journal of Functional Foods</i> , <b>2021</b> , 83, 104528	5.1	1
50	Human gut-derived B. longum subsp. longum strains protect against aging in a D-galactose-induced aging mouse model. <i>Microbiome</i> , <b>2021</b> , 9, 180	16.6	1
49	Dietary patterns affect Parkinson's disease via the microbiota-gut-brain axis. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 116, 90-101	15.3	5
48	Physiological Characteristics of Strains and Their Alleviation Effects against Inflammatory Bowel Disease. <i>Journal of Microbiology and Biotechnology</i> , <b>2021</b> , 31, 92-103	3.3	4
47	Establishing a novel colorectal cancer predictive model based on unique gut microbial single nucleotide variant markers. <i>Gut Microbes</i> , <b>2021</b> , 13, 1-6	8.8	8
46	The roles of different strains in protecting against DSS-induced ulcerative colitis and related functional genes. <i>Food and Function</i> , <b>2021</b> ,	6.1	4
45	Comparative genomics shows niche-specific variations of Lactobacillus plantarum strains isolated from human, Drosophila melanogaster, vegetable and dairy sources. <i>Food Bioscience</i> , <b>2020</b> , 35, 100581	4.9	13

44	Gut microbiota: A target for heavy metal toxicity and a probiotic protective strategy. <i>Science of the Total Environment</i> , <b>2020</b> , 742, 140429	10.2	48
43	Surface components and metabolites of probiotics for regulation of intestinal epithelial barrier. <i>Microbial Cell Factories</i> , <b>2020</b> , 19, 23	6.4	80
42	Meta-analysis of randomized controlled trials of the effects of probiotics on functional constipation in adults. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 2960-2969	5.9	19
41	Identification of the key physiological characteristics of <i>Lactobacillus plantarum</i> strains for ulcerative colitis alleviation. <i>Food and Function</i> , <b>2020</b> , 11, 1279-1291	6.1	18
40	A new method for evaluating the bioaccessibility of different foodborne forms of cadmium. <i>Toxicology Letters</i> , <b>2020</b> , 319, 31-39	4.4	6
39	Preliminary safety assessment of a new <i>Bacteroides fragilis</i> isolate. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 135, 110934	4.7	7
38	Probiotic characteristics of <i>Bacillus coagulans</i> and associated implications for human health and diseases. <i>Journal of Functional Foods</i> , <b>2020</b> , 64, 103643	5.1	44
37	Screening of <i>Lactobacillus salivarius</i> strains from the feces of Chinese populations and the evaluation of their effects against intestinal inflammation in mice. <i>Food and Function</i> , <b>2020</b> , 11, 221-235	6.1	17
36	Effects of probiotic supplementation on cardiovascular risk factors in hypercholesterolemia: A systematic review and meta-analysis of randomized clinical trial. <i>Journal of Functional Foods</i> , <b>2020</b> , 74, 104177	5.1	8
35	Meta-analysis of the efficacy of probiotic-supplemented therapy on the eradication of <i>H. pylori</i> and incidence of therapy-associated side effects. <i>Microbial Pathogenesis</i> , <b>2020</b> , 147, 104403	3.8	8
34	Effects of acute oral lead exposure on the levels of essential elements of mice: a metallomics and dose-dependent study. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2020</b> , 62, 126624	4.1	7
33	A comparison of the inhibitory activities of <i>Lactobacillus</i> and <i>Bifidobacterium</i> against <i>Penicillium expansum</i> and an analysis of potential antifungal metabolites. <i>FEMS Microbiology Letters</i> , <b>2020</b> , 367,	2.9	7
32	Relief of Cadmium-Induced Intestinal Motility Disorder in Mice by CCFM8610. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 619574	8.4	3
31	Mining <i>Lactobacillus</i> and <i>Bifidobacterium</i> for organisms with long-term gut colonization potential. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 1315-1323	5.9	17
30	Novel strains of <i>Bacteroides fragilis</i> and <i>Bacteroides ovatus</i> alleviate the LPS-induced inflammation in mice. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 2353-2365	5.7	41
29	Modulation of the gut microbiota by a galactooligosaccharide protects against heavy metal lead accumulation in mice. <i>Food and Function</i> , <b>2019</b> , 10, 3768-3781	6.1	17
28	<i>Lactobacillus fermentum</i> and its potential immunomodulatory properties. <i>Journal of Functional Foods</i> , <b>2019</b> , 56, 21-32	5.1	12
27	Disturbance of trace element and gut microbiota profiles as indicators of autism spectrum disorder: A pilot study of Chinese children. <i>Environmental Research</i> , <b>2019</b> , 171, 501-509	7.9	50

26	Influence of oral administration of Akkermansia muciniphila on the tissue distribution and gut microbiota composition of acute and chronic cadmium exposure mice. <i>FEMS Microbiology Letters</i> , <b>2019</b> , 366,	2.9	12
25	A potential species of next-generation probiotics? The dark and light sides of Bacteroides fragilis in health. <i>Food Research International</i> , <b>2019</b> , 126, 108590	7	24
24	Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum. <i>PeerJ</i> , <b>2019</b> , 7, e6963	3.1	23
23	Oral Supplementation of Lead-Intolerant Intestinal Microbes Protects Against Lead (Pb) Toxicity in Mice. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 3161	5.7	20
22	Lactobacillus plantarum CCFM8661 modulates bile acid enterohepatic circulation and increases lead excretion in mice. <i>Food and Function</i> , <b>2019</b> , 10, 1455-1464	6.1	29
21	Lactobacillus reuteri A9 and Lactobacillus mucosae A13 isolated from Chinese superlongevity people modulate lipid metabolism in a hypercholesterolemia rat model. <i>FEMS Microbiology Letters</i> , <b>2019</b> , 366,	2.9	8
20	Investigations of Bacteroides spp. towards next-generation probiotics. <i>Food Research International</i> , <b>2019</b> , 116, 637-644	7	59
19	Colonization and probiotic function of Bifidobacterium longum. <i>Journal of Functional Foods</i> , <b>2019</b> , 53, 157-165	5.1	28
18	In vitro and in vivo evaluation of Lactobacillus strains and comparative genomic analysis of Lactobacillus plantarum CGMCC12436 reveal candidates of colonise-related genes. <i>Food Research International</i> , <b>2019</b> , 119, 813-821	7	4
17	Removal of cadmium from rice by Lactobacillus plantarum fermentation. <i>Food Control</i> , <b>2019</b> , 96, 357-364.	6.2	15
16	Isolation of Low-Abundant Bacteroidales in the Human Intestine and the Analysis of Their Differential Utilization Based on Plant-Derived Polysaccharides. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1319	5.7	11
15	Pilot Safety Evaluation of a Novel Strain of. <i>Frontiers in Genetics</i> , <b>2018</b> , 9, 539	4.5	15
14	The divergent restoration effects of Lactobacillus strains in antibiotic-induced dysbiosis. <i>Journal of Functional Foods</i> , <b>2018</b> , 51, 142-152	5.1	7
13	Effects of subchronic oral toxic metal exposure on the intestinal microbiota of mice. <i>Science Bulletin</i> , <b>2017</b> , 62, 831-840	10.6	60
12	Identification of key proteins and pathways in cadmium tolerance of Lactobacillus plantarum strains by proteomic analysis. <i>Scientific Reports</i> , <b>2017</b> , 7, 1182	4.9	33
11	Restoration of cefixime-induced gut microbiota changes by Lactobacillus cocktails and fructooligosaccharides in a mouse model. <i>Microbiological Research</i> , <b>2017</b> , 200, 14-24	5.3	32
10	Effect of dietary probiotic supplementation on intestinal microbiota and physiological conditions of Nile tilapia (Oreochromis niloticus) under waterborne cadmium exposure. <i>Antonie Van Leeuwenhoek</i> , <b>2017</b> , 110, 501-513	2.1	62
9	Effects of probiotics on d -galactose-induced oxidative stress in plasma: A meta-analysis of animal models. <i>Journal of Functional Foods</i> , <b>2017</b> , 39, 44-49	5.1	13

8	The cadmium binding characteristics of a lactic acid bacterium in aqueous solutions and its application for removal of cadmium from fruit and vegetable juices. <i>RSC Advances</i> , <b>2016</b> , 6, 5990-5998	3.7	28
7	Potential of <i>Lactobacillus plantarum</i> CCFM639 in Protecting against Aluminum Toxicity Mediated by Intestinal Barrier Function and Oxidative Stress. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	30
6	Oral Administration of Probiotics Inhibits Absorption of the Heavy Metal Cadmium by Protecting the Intestinal Barrier. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 4429-40	4.8	93
5	Protective Effects of <i>Lactobacillus plantarum</i> CCFM8246 against Copper Toxicity in Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143318	3.7	28
4	Screening of lactic acid bacteria with potential protective effects against cadmium toxicity. <i>Food Control</i> , <b>2015</b> , 54, 23-30	6.2	80
3	Protective effects of <i>Lactobacillus plantarum</i> CCFM8610 against chronic cadmium toxicity in mice indicate routes of protection besides intestinal sequestration. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 4063-71	4.8	91
2	Protective effects of <i>Lactobacillus plantarum</i> CCFM8610 against acute cadmium toxicity in mice. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 1508-15	4.8	128
1	<i>Lactobacillus plantarum</i> CCFM8661 alleviates lead toxicity in mice. <i>Biological Trace Element Research</i> , <b>2012</b> , 150, 264-71	4.5	77