Qi-Xiao Zhai

List of Publications by Citations

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	Protective effects of Lactobacillus plantarum CCFM8610 against acute cadmium toxicity in mice. *Applied and Environmental Microbiology*, **2013**, 79, 1508-15	4.8	128
78	Oral Administration of Probiotics Inhibits Absorption of the Heavy Metal Cadmium by Protecting the Intestinal Barrier. *Applied and Environmental Microbiology*, **2016**, 82, 4429-40	4.8	93
77	Protective effects of Lactobacillus plantarum CCFM8610 against chronic cadmium toxicity in mice indicate routes of protection besides intestinal sequestration. *Applied and Environmental Microbiology*, **2014**, 80, 4063-71	4.8	91
76	Surface components and metabolites of probiotics for regulation of intestinal epithelial barrier. *Microbial Cell Factories*, **2020**, 19, 23	6.4	80
75	Screening of lactic acid bacteria with potential protective effects against cadmium toxicity. *Food Control*, **2015**, 54, 23-30	6.2	80
74	Lactobacillus plantarum CCFM8661 alleviates lead toxicity in mice. *Biological Trace Element Research*, **2012**, 150, 264-71	4.5	77
73	Effect of dietary probiotic supplementation on intestinal microbiota and physiological conditions of Nile tilapia (Oreochromis niloticus) under waterborne cadmium exposure. *Antonie Van Leeuwenhoek*, **2017**, 110, 501-513	2.1	62
72	Effects of subchronic oral toxic metal exposure on the intestinal microbiota of mice. *Science Bulletin*, **2017**, 62, 831-840	10.6	60
71	Investigations of Bacteroides spp. towards next-generation probiotics. *Food Research International*, **2019**, 116, 637-644	7	59
70	Disturbance of trace element and gut microbiota profiles as indicators of autism spectrum disorder: A pilot study of Chinese children. *Environmental Research*, **2019**, 171, 501-509	7.9	50
69	Gut microbiota: A target for heavy metal toxicity and a probiotic protective strategy. *Science of the Total Environment*, **2020**, 742, 140429	10.2	48
68	Probiotic characteristics of Bacillus coagulans and associated implications for human health and diseases. *Journal of Functional Foods*, **2020**, 64, 103643	5.1	44
67	Novel strains of Bacteroides fragilis and Bacteroides ovatus alleviate the LPS-induced inflammation in mice. *Applied Microbiology and Biotechnology*, **2019**, 103, 2353-2365	5.7	41
66	Identification of key proteins and pathways in cadmium tolerance of Lactobacillus plantarum strains by proteomic analysis. *Scientific Reports*, **2017**, 7, 1182	4.9	33
65	Restoration of cefixime-induced gut microbiota changes by Lactobacillus cocktails and fructooligosaccharides in a mouse model. *Microbiological Research*, **2017**, 200, 14-24	5.3	32
64	Potential of Lactobacillus plantarum CCFM639 in Protecting against Aluminum Toxicity Mediated by Intestinal Barrier Function and Oxidative Stress. *Nutrients*, **2016**, 8,	6.7	30
63	Lactobacillus plantarum CCFM8661 modulates bile acid enterohepatic circulation and increases lead excretion in mice. *Food and Function*, **2019**, 10, 1455-1464	6.1	29

62	The cadmium binding characteristics of a lactic acid bacterium in aqueous solutions and its application for removal of cadmium from fruit and vegetable juices. *RSC Advances*, **2016**, 6, 5990-5998	3.7	28
61	Protective Effects of Lactobacillus plantarum CCFM8246 against Copper Toxicity in Mice. *PLoS ONE*, **2015**, 10, e0143318	3.7	28
60	Colonization and probiotic function of Bifidobacterium longum. *Journal of Functional Foods*, **2019**, 53, 157-165	5.1	28
59	A potential species of next-generation probiotics? The dark and light sides of Bacteroides fragilis in health. *Food Research International*, **2019**, 126, 108590	7	24
58	Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum. *PeerJ*, **2019**, 7, e6963	3.1	23
57	Oral Supplementation of Lead-Intolerant Intestinal Microbes Protects Against Lead (Pb) Toxicity in Mice. *Frontiers in Microbiology*, **2019**, 10, 3161	5.7	20
56	Meta-analysis of randomized controlled trials of the effects of probiotics on functional constipation in adults. *Clinical Nutrition*, **2020**, 39, 2960-2969	5.9	19
55	Identification of the key physiological characteristics of Lactobacillus plantarum strains for ulcerative colitis alleviation. *Food and Function*, **2020**, 11, 1279-1291	6.1	18
54	Modulation of the gut microbiota by a galactooligosaccharide protects against heavy metal lead accumulation in mice. *Food and Function*, **2019**, 10, 3768-3781	6.1	17
53	Screening of Lactobacillus salivarius strains from the feces of Chinese populations and the evaluation of their effects against intestinal inflammation in mice. *Food and Function*, **2020**, 11, 221-235	6.1	17
52	Mining Lactobacillus and Bifidobacterium for organisms with long-term gut colonization potential. *Clinical Nutrition*, **2020**, 39, 1315-1323	5.9	17
51	Removal of cadmium from rice by Lactobacillus plantarum fermentation. *Food Control*, **2019**, 96, 357-364	6.2	15
50	Pilot Safety Evaluation of a Novel Strain of. *Frontiers in Genetics*, **2018**, 9, 539	4.5	15
49	Roles of intestinal in human health and diseases. *Critical Reviews in Food Science and Nutrition*, **2021**, 61, 3518-3536	11.5	14
48	Effects of probiotics on d -galactose-induced oxidative stress in plasma: A meta-analysis of animal models. *Journal of Functional Foods*, **2017**, 39, 44-49	5.1	13
47	Comparative genomics shows niche-specific variations of Lactobacillus plantarum strains isolated from human, Drosophila melanogaster, vegetable and dairy sources. *Food Bioscience*, **2020**, 35, 100581	4.9	13
46	Lactobacillus fermentum and its potential immunomodulatory properties. *Journal of Functional Foods*, **2019**, 56, 21-32	5.1	12
45	Influence of oral administration of Akkermansia muciniphila on the tissue distribution and gut microbiota composition of acute and chronic cadmium exposure mice. *FEMS Microbiology Letters*, **2019**, 366,	2.9	12

44	Isolation of Low-Abundant Bacteroidales in the Human Intestine and the Analysis of Their Differential Utilization Based on Plant-Derived Polysaccharides. *Frontiers in Microbiology*, **2018**, 9, 1319	5.7	11
43	Desulfovibrio diazotrophicus sp. nov., a sulfate-reducing bacterium from the human gut capable of nitrogen fixation. *Environmental Microbiology*, **2021**, 23, 3164-3181	5.2	9
42	Effects of probiotic supplementation on cardiovascular risk factors in hypercholesterolemia: A systematic review and meta-analysis of randomized clinical trial. *Journal of Functional Foods*, **2020**, 74, 104177	5.1	8
41	Meta-analysis of the efficacy of probiotic-supplemented therapy on the eradication of H. pylori and incidence of therapy-associated side effects. *Microbial Pathogenesis*, **2020**, 147, 104403	3.8	8
40	Lactobacillus reuteri A9 and Lactobacillus mucosae A13 isolated from Chinese superlongevity people modulate lipid metabolism in a hypercholesterolemia rat model. *FEMS Microbiology Letters*, **2019**, 366,	2.9	8
39	Gut Colonization Mechanisms of and : An Argument for Personalized Designs. *Annual Review of Food Science and Technology*, **2021**, 12, 213-233	14.7	8
38	Dose-dependent effects of lead induced gut injuries: An in□vitro and in□vivo study. *Chemosphere*, **2021**, 266, 129130	8.4	8
37	Establishing a novel colorectal cancer predictive model based on unique gut microbial single nucleotide variant markers. *Gut Microbes*, **2021**, 13, 1-6	8.8	8
36	Preliminary safety assessment of a new Bacteroides fragilis isolate. *Food and Chemical Toxicology*, **2020**, 135, 110934	4.7	7
35	Effects of acute oral lead exposure on the levels of essential elements of mice: a metallomics and dose-dependent study. *Journal of Trace Elements in Medicine and Biology*, **2020**, 62, 126624	4.1	7
34	A comparison of the inhibitory activities of Lactobacillus and Bifidobacterium against Penicillium expansum and an analysis of potential antifungal metabolites. *FEMS Microbiology Letters*, **2020**, 367,	2.9	7
33	The divergent restoration effects of Lactobacillus strains in antibiotic-induced dysbiosis. *Journal of Functional Foods*, **2018**, 51, 142-152	5.1	7
32	A new method for evaluating the bioaccessibility of different foodborne forms of cadmium. *Toxicology Letters*, **2020**, 319, 31-39	4.4	6
31	Protective effects of different strains against lipopolysaccharide-induced acute intestinal injury, and their underlying functional genes.. *Journal of Advanced Research*, **2022**, 36, 27-37	13	6
30	Lactobacillus plantarum-Mediated Regulation of Dietary Aluminum Induces Changes in the Human Gut Microbiota: an In Vitro Colonic Fermentation Study. *Probiotics and Antimicrobial Proteins*, **2021**, 13, 398-412	5.5	5
29	Dietary patterns affect Parkinson□s disease via the microbiota-gut-brain axis. *Trends in Food Science and Technology*, **2021**, 116, 90-101	15.3	5
28	The influence of gut microbiome on bone health and related dietary strategies against bone dysfunctions. *Food Research International*, **2021**, 144, 110331	7	4
27	Effects of Bacillus coagulans as an adjunct starter culture on yogurt quality and storage. *Journal of Dairy Science*, **2021**, 104, 7466-7479	4	4

26	In vitro and in vivo evaluation of Lactobacillus strains and comparative genomic analysis of Lactobacillus plantarum CGMCC12436 reveal candidates of colonise-related genes. *Food Research International*, **2019**, 119, 813-821	7	4
25	Physiological Characteristics of Strains and Their Alleviation Effects against Inflammatory Bowel Disease. *Journal of Microbiology and Biotechnology*, **2021**, 31, 92-103	3.3	4
24	The roles of different strains in protecting against DSS-induced ulcerative colitis and related functional genes. *Food and Function*, **2021**,	6.1	4
23	Meta-analysis of randomized controlled trials of the effects of probiotics on type 2 diabetes in adults.. *Clinical Nutrition*, **2021**, 41, 365-373	5.9	3
22	Probiotic consumption influences universal adaptive mutations in indigenous human and mouse gut microbiota. *Communications Biology*, **2021**, 4, 1198	6.7	3
21	Sulforaphane ameliorates non-alcoholic fatty liver disease in mice by promoting FGF21/FGFR1 signaling pathway. *Acta Pharmacologica Sinica*, **2021**,	8	3
20	Relief of Cadmium-Induced Intestinal Motility Disorder in Mice by CCFM8610. *Frontiers in Immunology*, **2020**, 11, 619574	8.4	3
19	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. *Microbial Biotechnology*, **2021**, 14, 577-586	6.3	3
18	Strain-Specific Effects of on Hypercholesterolemic Rats and Potential Mechanisms. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
17	Can dietary patterns prevent cognitive impairment and reduce Alzheimer‘s disease risk: exploring the underlying mechanisms of effects.. *Neuroscience and Biobehavioral Reviews*, **2022**, 104556	9	2
16	Protective Effects of CCFM8610 against Acute Toxicity Caused by Different Food-Derived Forms of Cadmium in Mice. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
15	Genomic analysis of B. coagulans ATCC 7050T reveals its adaption to fermented milk as an adjunct starter culture for yogurt. *LWT - Food Science and Technology*, **2021**, 154, 112721	5.4	2
14	Identification of the key characteristics of strains for the alleviation of ulcerative colitis. *Food and Function*, **2021**, 12, 3476-3492	6.1	2
13	Phylogenetic and comparative genomic analysis of Lactobacillus fermentum Strains and the Key Genes Related to their Intestinal Anti-inflammatory Effects. *Engineering*, **2021**,	9.7	2
12	Gene-Phenotype Associations Involving Human-Residential Bifidobacteria (HRB) Reveal Significant Species- and Strain-Specificity in Carbohydrate Catabolism. *Microorganisms*, **2021**, 9,	4.9	1
11	Quantitative Detection of Strains in Feces Using Strain-Specific Primers. *Microorganisms*, **2021**, 9,	4.9	1
10	Phocaeicola faecalis sp. nov., a strictly anaerobic bacterial strain adapted to the human gut ecosystem. *Antonie Van Leeuwenhoek*, **2021**, 114, 1225-1235	2.1	1
9	Mining genome traits that determine the different gut colonization potential of and species. *Microbial Genomics*, **2021**, 7,	4.4	1

8	An optimized culture medium to isolate strains from the human intestinal tract. *Food and Function*, **2021**, 12, 6740-6754	6.1	1
7	Lead-induced gut injuries and the dietary protective strategies: A review. *Journal of Functional Foods*, **2021**, 83, 104528	5.1	1
6	Human gut-derived B. longum subsp. longum strains protect against aging in a D-galactose-induced aging mouse model. *Microbiome*, **2021**, 9, 180	16.6	1
5	Dose-dependent effects of chronic lead toxicity in vivo: Focusing on trace elements and gut microbiota.. *Chemosphere*, **2022**, 134670	8.4	1
4	Effects of Bacillus coagulans GBI-30, 6086 as an adjunct starter culture on the production of yogurt. *Food Research International*, **2022**, 111398	7	1
3	MLST analysis of genetic diversity of Bacillus coagulans strains to evaluate effects on constipation model. *Food Science and Human Wellness*, **2022**, 11, 815-827	8.3	0
2	Underlying mechanisms of the antagonistic effects of Bifidobacterium adolescentis CCFM1108 on Penicillium expansum: Based on comparative transcriptome analysis. *Food Bioscience*, **2022**, 101693	4.9	
1	An Illumina MiSeq sequencing-based method using the mreB gene for high-throughput discrimination of Pseudomonas species in raw milk. *LWT - Food Science and Technology*, **2022**, 163, 113573	5.4	