

Qixiao 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.

112
papers

2,114
citations

24
h-index

41
g-index

123
ext. papers

3,397
ext. citations

5.8
avg, IF

5.53
L-index

#	Paper	IF	Citations
112	Protective effects of different strains against lipopolysaccharide-induced acute intestinal injury, and their underlying functional genes.. <i>Journal of Advanced Research</i> , 2022 , 36, 27-37	13	6
111	Dose-dependent effects of chronic lead toxicity in vivo: Focusing on trace elements and gut microbiota.. <i>Chemosphere</i> , 2022 , 134670	8.4	1
110	MLST analysis of genetic diversity of <i>Bacillus coagulans</i> strains to evaluate effects on constipation model. <i>Food Science and Human Wellness</i> , 2022 , 11, 815-827	8.3	0
109	Novel Thermostable Heparinase Based on the Genome of <i>Bacteroides</i> Isolated from Human Gut Microbiota. <i>Foods</i> , 2022 , 11, 1462	4.9	
108	Meta-analysis of randomized controlled trials of the effects of probiotics on type 2 diabetes in adults.. <i>Clinical Nutrition</i> , 2021 , 41, 365-373	5.9	3
107	Protective Effects of CCFM8610 against Acute Toxicity Caused by Different Food-Derived Forms of Cadmium in Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
106	The diversity and composition of the human gut lactic acid bacteria and bifidobacterial microbiota vary depending on age. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 8427-8440	5.7	1
105	Probiotic consumption influences universal adaptive mutations in indigenous human and mouse gut microbiota. <i>Communications Biology</i> , 2021 , 4, 1198	6.7	3
104	Roles of intestinal in human health and diseases. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 61, 3518-3536	11.5	14
103	<i>Lactobacillus plantarum</i> CCFM8610 Alleviates Irritable Bowel Syndrome and Prevents Gut Microbiota Dysbiosis: A Randomized, Double-Blind, Placebo-Controlled, Pilot Clinical Trial. <i>Engineering</i> , 2021 , 7, 376-385	9.7	4
102	Strains Improve Constipation Symptoms and Regulate Intestinal Flora in Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 655258	5.9	4
101	Synergistic Protective Effects of Different Dietary Supplements Against Type 2 Diabetes via Regulating Gut Microbiota. <i>Journal of Medicinal Food</i> , 2021 , 24, 319-330	2.8	3
100	Gene-Phenotype Associations Involving Human-Residential <i>Bifidobacteria</i> (HRB) Reveal Significant Species- and Strain-Specificity in Carbohydrate Catabolism. <i>Microorganisms</i> , 2021 , 9,	4.9	1
99	The effects of diet and gut microbiota on the regulation of intestinal mucin glycosylation. <i>Carbohydrate Polymers</i> , 2021 , 258, 117651	10.3	8
98	Quantitative Detection of Strains in Feces Using Strain-Specific Primers. <i>Microorganisms</i> , 2021 , 9,	4.9	1
97	<i>Desulfovibrio diazotrophicus</i> sp. nov., a sulfate-reducing bacterium from the human gut capable of nitrogen fixation. <i>Environmental Microbiology</i> , 2021 , 23, 3164-3181	5.2	9
96	Potential Role of Probiotics in Ameliorating Psoriasis by Modulating Gut Microbiota in Imiquimod-Induced Psoriasis-Like Mice. <i>Nutrients</i> , 2021 , 13,	6.7	6

95	Phocaeicola faecalis sp. nov., a strictly anaerobic bacterial strain adapted to the human gut ecosystem. <i>Antonie Van Leeuwenhoek</i> , 2021 , 114, 1225-1235	2.1	1
94	Distinct Microbiomes of Gut and Saliva in Patients With Systemic Lupus Erythematosus and Clinical Associations. <i>Frontiers in Immunology</i> , 2021 , 12, 626217	8.4	1
93	Integrated Phenotypic-Genotypic Analysis of α from Different Niches. <i>Foods</i> , 2021 , 10,	4.9	1
92	Effects of Bacillus coagulans as an adjunct starter culture on yogurt quality and storage. <i>Journal of Dairy Science</i> , 2021 , 104, 7466-7479	4	4
91	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> , 2021 , 13, 398-412	5.5	5
90	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> , 2021 , 14, 577-586	6.3	3
89	The role of mucin and oligosaccharides via cross-feeding activities by Bifidobacterium: A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 1329-1337	7.9	4
88	Gut Colonization Mechanisms of and : An Argument for Personalized Designs. <i>Annual Review of Food Science and Technology</i> , 2021 , 12, 213-233	14.7	8
87	Dose-dependent effects of lead induced gut injuries: An invitro and invivo study. <i>Chemosphere</i> , 2021 , 266, 129130	8.4	8
86	An optimized culture medium to isolate strains from the human intestinal tract. <i>Food and Function</i> , 2021 , 12, 6740-6754	6.1	1
85	Efficacy of probiotics in multiple sclerosis: a systematic review of preclinical trials and meta-analysis of randomized controlled trials. <i>Food and Function</i> , 2021 , 12, 2354-2377	6.1	8
84	Strain-Specific Effects of on Hypercholesterolemic Rats and Potential Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
83	Identification of the key characteristics of strains for the alleviation of ulcerative colitis. <i>Food and Function</i> , 2021 , 12, 3476-3492	6.1	2
82	Supernatants of and Strains Exhibited Antioxidative Effects on A7R5 Cells. <i>Microorganisms</i> , 2021 , 9,	4.9	2
81	Behavioral disorders caused by nonylphenol and strategies for protection. <i>Chemosphere</i> , 2021 , 275, 129873	8.7	1
80	Chinese gut microbiota and its associations with staple food type, ethnicity, and urbanization. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 71	8.2	6
79	Human gut-derived B. longum subsp. longum strains protect against aging in a D-galactose-induced aging mouse model. <i>Microbiome</i> , 2021 , 9, 180	16.6	1
78	Physiological Characteristics of Strains and Their Alleviation Effects against Inflammatory Bowel Disease. <i>Journal of Microbiology and Biotechnology</i> , 2021 , 31, 92-103	3.3	4

77	Evidence from comparative genomic analyses indicating that -mediated irritable bowel syndrome alleviation is mediated by conjugated linoleic acid synthesis. <i>Food and Function</i> , 2021 , 12, 1121-1134	6.1	3
76	Establishing a novel colorectal cancer predictive model based on unique gut microbial single nucleotide variant markers. <i>Gut Microbes</i> , 2021 , 13, 1-6	8.8	8
75	The roles of different strains in protecting against DSS-induced ulcerative colitis and related functional genes. <i>Food and Function</i> , 2021 ,	6.1	4
74	The pelvis urinary microbiome in patients with kidney stones and clinical associations. <i>BMC Microbiology</i> , 2020 , 20, 336	4.5	2
73	Comparative genomics shows niche-specific variations of <i>Lactobacillus plantarum</i> strains isolated from human, <i>Drosophila melanogaster</i> , vegetable and dairy sources. <i>Food Bioscience</i> , 2020 , 35, 100581	4.9	13
72	Progress in the distribution, toxicity, control, and detoxification of patulin: A review. <i>Toxicon</i> , 2020 , 184, 83-93	2.8	16
71	Characteristics of the urinary microbiome in kidney stone patients with hypertension. <i>Journal of Translational Medicine</i> , 2020 , 18, 130	8.5	10
70	Gut microbiota: A target for heavy metal toxicity and a probiotic protective strategy. <i>Science of the Total Environment</i> , 2020 , 742, 140429	10.2	48
69	Surface components and metabolites of probiotics for regulation of intestinal epithelial barrier. <i>Microbial Cell Factories</i> , 2020 , 19, 23	6.4	80
68	Meta-analysis of randomized controlled trials of the effects of probiotics on functional constipation in adults. <i>Clinical Nutrition</i> , 2020 , 39, 2960-2969	5.9	19
67	Identification of the key physiological characteristics of <i>Lactobacillus plantarum</i> strains for ulcerative colitis alleviation. <i>Food and Function</i> , 2020 , 11, 1279-1291	6.1	18
66	A new method for evaluating the bioaccessibility of different foodborne forms of cadmium. <i>Toxicology Letters</i> , 2020 , 319, 31-39	4.4	6
65	Preliminary safety assessment of a new <i>Bacteroides fragilis</i> isolate. <i>Food and Chemical Toxicology</i> , 2020 , 135, 110934	4.7	7
64	Beneficial effect of GABA-rich fermented milk on insomnia involving regulation of gut microbiota. <i>Microbiological Research</i> , 2020 , 233, 126409	5.3	35
63	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> , 2020 , 11, 221-235	6.1	17
62	: A Candidate Probiotic with Excellent Fermentation Properties and Health Benefits. <i>Foods</i> , 2020 , 9,	4.9	7
61	Potential of gut microbiome for detection of autism spectrum disorder. <i>Microbial Pathogenesis</i> , 2020 , 149, 104568	3.8	5
60	The characteristics of patulin detoxification by <i>Lactobacillus plantarum</i> 13M5. <i>Food and Chemical Toxicology</i> , 2020 , 146, 111787	4.7	10

59	Antibiotic-induced gut dysbiosis and barrier disruption and the potential protective strategies. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-26	11.5	12
58	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> , 2020 , 147, 104403	3.8	8
57	The role of MUC2 mucin in intestinal homeostasis and the impact of dietary components on MUC2 expression. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 884-891	7.9	21
56	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> , 2020 , 62, 126624	4.1	7
55	Effects of Probiotic Supplementation on Dyslipidemia in Type 2 Diabetes Mellitus: A Meta-Analysis of Randomized Controlled Trials. <i>Foods</i> , 2020 , 9,	4.9	13
54	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> , 2020 , 367,	2.9	7
53	The Protective Effect of Extracts Against Obesity and Inflammation by Regulating Free Fatty Acids Metabolism in Nonalcoholic Fatty Liver Disease. <i>Nutrients</i> , 2020 , 12,	6.7	7
52	Relief of Cadmium-Induced Intestinal Motility Disorder in Mice by CCFM8610. <i>Frontiers in Immunology</i> , 2020 , 11, 619574	8.4	3
51	Mining <i>Lactobacillus</i> and <i>Bifidobacterium</i> for organisms with long-term gut colonization potential. <i>Clinical Nutrition</i> , 2020 , 39, 1315-1323	5.9	17
50	Niche-Specific Adaptive Evolution of Strains Isolated From Human Feces and Paocai. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 615876	5.9	4
49	The synergistic effect of <i>Lactobacillus plantarum</i> CCFM242 and zinc on ulcerative colitis through modulating intestinal homeostasis. <i>Food and Function</i> , 2019 , 10, 6147-6156	6.1	5
48	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> , 2019 , 103, 2353-2365	5.7	41
47	Food-borne patulin toxicity is related to gut barrier disruption and can be prevented by docosahexaenoic acid and probiotic supplementation. <i>Food and Function</i> , 2019 , 10, 1330-1339	6.1	19
46	Modulation of the gut microbiota by a galactooligosaccharide protects against heavy metal lead accumulation in mice. <i>Food and Function</i> , 2019 , 10, 3768-3781	6.1	17
45	<i>Lactobacillus fermentum</i> and its potential immunomodulatory properties. <i>Journal of Functional Foods</i> , 2019 , 56, 21-32	5.1	12
44	Increased Cadmium Excretion Due to Oral Administration of <i>Lactobacillus plantarum</i> Strains by Regulating Enterohepatic Circulation in Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 3956-3965	5.7	15
43	Disturbance of trace element and gut microbiota profiles as indicators of autism spectrum disorder: A pilot study of Chinese children. <i>Environmental Research</i> , 2019 , 171, 501-509	7.9	50
42	Varied doses and chemical forms of selenium supplementation differentially affect mouse intestinal physiology. <i>Food and Function</i> , 2019 , 10, 5398-5412	6.1	15

41	Influence of oral administration of <i>Akkermansia muciniphila</i> on the tissue distribution and gut microbiota composition of acute and chronic cadmium exposure mice. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	12
40	A potential species of next-generation probiotics? The dark and light sides of <i>Bacteroides fragilis</i> in health. <i>Food Research International</i> , 2019 , 126, 108590	7	24
39	Dietary supplementation with probiotics regulates gut microbiota structure and function in Nile tilapia exposed to aluminum. <i>PeerJ</i> , 2019 , 7, e6963	3.1	23
38	Metabolomic analysis reveals the mechanism of aluminum cytotoxicity in HT-29 cells. <i>PeerJ</i> , 2019 , 7, e7524	3.1	6
37	Oral Supplementation of Lead-Intolerant Intestinal Microbes Protects Against Lead (Pb) Toxicity in Mice. <i>Frontiers in Microbiology</i> , 2019 , 10, 3161	5.7	20
36	<i>Lactobacillus plantarum</i> CCFM8661 modulates bile acid enterohepatic circulation and increases lead excretion in mice. <i>Food and Function</i> , 2019 , 10, 1455-1464	6.1	29
35	<i>Lactobacillus reuteri</i> A9 and <i>Lactobacillus mucosae</i> A13 isolated from Chinese superlongevity people modulate lipid metabolism in a hypercholesterolemia rat model. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	8
34	Investigations of <i>Bacteroides</i> spp. towards next-generation probiotics. <i>Food Research International</i> , 2019 , 116, 637-644	7	59
33	In vitro and in vivo evaluation of <i>Lactobacillus</i> strains and comparative genomic analysis of <i>Lactobacillus plantarum</i> CGMCC12436 reveal candidates of colonise-related genes. <i>Food Research International</i> , 2019 , 119, 813-821	7	4
32	A next generation probiotic,. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, 3227-3236	11.5	85
31	<i>Lactobacillus plantarum</i> CCFM10 alleviating oxidative stress and restoring the gut microbiota in d-galactose-induced aging mice. <i>Food and Function</i> , 2018 , 9, 917-924	6.1	39
30	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> , 2018 , 9, 1319	5.7	11
29	Comparative metabolomic analysis reveals global cadmium stress response of <i>Lactobacillus plantarum</i> strains. <i>Metallomics</i> , 2018 , 10, 1065-1077	4.5	12
28	Structural and Functional Alterations in the Microbial Community and Immunological Consequences in a Mouse Model of Antibiotic-Induced Dysbiosis. <i>Frontiers in Microbiology</i> , 2018 , 9, 1948	5.7	33
27	Evaluation of Antioxidative Effects of with Fuzzy Synthetic Models. <i>Journal of Microbiology and Biotechnology</i> , 2018 , 28, 1052-1060	3.3	2
26	Effects of Dietary Selenium Supplementation on Intestinal Barrier and Immune Responses Associated with Its Modulation of Gut Microbiota. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 724-730	11	47
25	Pilot Safety Evaluation of a Novel Strain of. <i>Frontiers in Genetics</i> , 2018 , 9, 539	4.5	15
24	Protective Effects of Dietary Supplements Containing Probiotics, Micronutrients, and Plant Extracts Against Lead Toxicity in Mice. <i>Frontiers in Microbiology</i> , 2018 , 9, 2134	5.7	22

23	Selection, identification and application of DNA aptamers for the detection of Bifidobacterium breve. <i>RSC Advances</i> , 2017 , 7, 11672-11679	3.7	8
22	System-wide analysis of manganese starvation-induced metabolism in key elements of Lactobacillus plantarum. <i>RSC Advances</i> , 2017 , 7, 12959-12968	3.7	7
21	Dietary Lactobacillus plantarum supplementation decreases tissue lead accumulation and alleviates lead toxicity in Nile tilapia (Oreochromis niloticus). <i>Aquaculture Research</i> , 2017 , 48, 5094-5103	1.9	27
20	Identification of key proteins and pathways in cadmium tolerance of Lactobacillus plantarum strains by proteomic analysis. <i>Scientific Reports</i> , 2017 , 7, 1182	4.9	33
19	Protective effects of a cocktail of lactic acid bacteria on microcystin-LR-induced hepatotoxicity and oxidative damage in BALB/c mice. <i>RSC Advances</i> , 2017 , 7, 20480-20487	3.7	4
18	Dietary Lactobacillus plantarum supplementation enhances growth performance and alleviates aluminum toxicity in tilapia. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 143, 307-314	7	30
17	Restoration of cefixime-induced gut microbiota changes by Lactobacillus cocktails and fructooligosaccharides in a mouse model. <i>Microbiological Research</i> , 2017 , 200, 14-24	5.3	32
16	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> , 2017 , 110, 501-513	2.1	62
15	New insights in integrated response mechanism of Lactobacillus plantarum under excessive manganese stress. <i>Food Research International</i> , 2017 , 102, 323-332	7	12
14	The therapeutic protection of a living and dead Lactobacillus strain against aluminum-induced brain and liver injuries in C57BL/6 mice. <i>PLoS ONE</i> , 2017 , 12, e0175398	3.7	13
13	Lactobacillus plantarum CCFM639 Alleviate Trace Element Imbalance-Related Oxidative Stress in Liver and Kidney of Chronic Aluminum Exposure Mice. <i>Biological Trace Element Research</i> , 2017 , 176, 342-349	4.5	24
12	Metabolomics analysis reveals heavy metal copper-induced cytotoxicity in HT-29 human colon cancer cells. <i>RSC Advances</i> , 2016 , 6, 78445-78456	3.7	13
11	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> , 2016 , 6, 5990-5998	3.7	28
10	The binding characters study of lead removal by Lactobacillus plantarum CCFM8661. <i>European Food Research and Technology</i> , 2016 , 242, 1621-1629	3.4	22
9	Lactobacillus plantarum CCFM639 alleviates aluminium toxicity. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1891-1900	5.7	20
8	Potential of Lactobacillus plantarum CCFM639 in Protecting against Aluminum Toxicity Mediated by Intestinal Barrier Function and Oxidative Stress. <i>Nutrients</i> , 2016 , 8,	6.7	30
7	Oral Administration of Probiotics Inhibits Absorption of the Heavy Metal Cadmium by Protecting the Intestinal Barrier. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 4429-40	4.8	93
6	Protective effects of lactic acid bacteria-fermented soymilk against chronic cadmium toxicity in mice. <i>RSC Advances</i> , 2015 , 5, 4648-4658	3.7	15

5	Dietary strategies for the treatment of cadmium and lead toxicity. <i>Nutrients</i> , 2015 , 7, 552-71	6.7	147
4	Protective Effects of <i>Lactobacillus plantarum</i> CCFM8246 against Copper Toxicity in Mice. <i>PLoS ONE</i> , 2015 , 10, e0143318	3.7	28
3	Screening of lactic acid bacteria with potential protective effects against cadmium toxicity. <i>Food Control</i> , 2015 , 54, 23-30	6.2	80
2	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> , 2014 , 80, 4063-71	4.8	91
1	Protective effects of <i>Lactobacillus plantarum</i> CCFM8610 against acute cadmium toxicity in mice. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 1508-15	4.8	128