

Gang Wang

List of Publications by Citations

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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.

99
papers

2,250
citations

27
h-index

44
g-index

112
ext. papers

3,495
ext. citations

5.6
avg, IF

5.2
L-index

#	Paper	IF	Citations
99	Quantitative genetic background of the host influences gut microbiomes in chickens. <i>Scientific Reports</i> , 2013 , 3, 1163	4.9	190
98	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
97	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
96	-a new functional genus with potential probiotic properties?. <i>Gut Microbes</i> , 2021 , 13, 1-21	8.8	82
95	Effects of different oligosaccharides at various dosages on the composition of gut microbiota and short-chain fatty acids in mice with constipation. <i>Food and Function</i> , 2017 , 8, 1966-1978	6.1	81
94	Screening of lactic acid bacteria with potential protective effects against cadmium toxicity. <i>Food Control</i> , 2015 , 54, 23-30	6.2	80
93	<i>Lactobacillus plantarum</i> CCFM8661 alleviates lead toxicity in mice. <i>Biological Trace Element Research</i> , 2012 , 150, 264-71	4.5	77
92	<i>Bifidobacterium</i> with the role of 5-hydroxytryptophan synthesis regulation alleviates the symptom of depression and related microbiota dysbiosis. <i>Journal of Nutritional Biochemistry</i> , 2019 , 66, 43-51	6.3	75
91	Determining antioxidant activities of lactobacilli cell-free supernatants by cellular antioxidant assay: a comparison with traditional methods. <i>PLoS ONE</i> , 2015 , 10, e0119058	3.7	74
90	<i>Lactobacillus casei</i> CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism. <i>Food and Function</i> , 2017 , 8, 3155-3164	6.1	74
89	Towards a psychobiotic therapy for depression: CCFM1025 reverses chronic stress-induced depressive symptoms and gut microbial abnormalities in mice. <i>Neurobiology of Stress</i> , 2020 , 12, 100216	7.6	69
88	Effects of <i>Lactobacillus casei</i> CCFM419 on insulin resistance and gut microbiota in type 2 diabetic mice. <i>Beneficial Microbes</i> , 2017 , 8, 421-432	4.9	65
87	<i>Bifidobacterium adolescentis</i> Exerts Strain-Specific Effects on Constipation Induced by Loperamide in BALB/c Mice. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	57
86	Effects of <i>Lactobacillus plantarum</i> CCFM0236 on hyperglycaemia and insulin resistance in high-fat and streptozotocin-induced type 2 diabetic mice. <i>Journal of Applied Microbiology</i> , 2016 , 121, 1727-1736	4.7	45
85	A comparative study of the antidiabetic effects exerted by live and dead multi-strain probiotics in the type 2 diabetes model of mice. <i>Food and Function</i> , 2016 , 7, 4851-4860	6.1	37
84	<i>Lactobacillus rhamnosus</i> CCFM1107 treatment ameliorates alcohol-induced liver injury in a mouse model of chronic alcohol feeding. <i>Journal of Microbiology</i> , 2015 , 53, 856-63	3	37
83	A High-Fat Diet Increases Gut Microbiota Biodiversity and Energy Expenditure Due to Nutrient Difference. <i>Nutrients</i> , 2020 , 12,	6.7	37

82	Screening of adhesive lactobacilli with antagonistic activity against <i>Campylobacter jejuni</i> . <i>Food Control</i> , 2014 , 44, 49-57	6.2	36
81	Toxicity assessment of perfluorooctane sulfonate using acute and subchronic male C57BL/6J mouse models. <i>Environmental Pollution</i> , 2016 , 210, 388-96	9.3	34
80	Modulation of peanut-induced allergic immune responses by oral lactic acid bacteria-based vaccines in mice. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 6353-64	5.7	32
79	Immunomodulatory Effects of Different Lactic Acid Bacteria on Allergic Response and Its Relationship with In Vitro Properties. <i>PLoS ONE</i> , 2016 , 11, e0164697	3.7	32
78	Bifidobacteria exert species-specific effects on constipation in BALB/c mice. <i>Food and Function</i> , 2017 , 8, 3587-3600	6.1	31
77	Potential of <i>Lactobacillus plantarum</i> CCFM639 in Protecting against Aluminum Toxicity Mediated by Intestinal Barrier Function and Oxidative Stress. <i>Nutrients</i> , 2016 , 8,	6.7	30
76	Ingestion of <i>Bifidobacterium longum</i> subspecies <i>infantis</i> strain CCFM687 regulated emotional behavior and the central BDNF pathway in chronic stress-induced depressive mice through reshaping the gut microbiota. <i>Food and Function</i> , 2019 , 10, 7588-7598	6.1	29
75	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
74	Bifidobacteria attenuate the development of metabolic disorders, with inter- and intra-species differences. <i>Food and Function</i> , 2018 , 9, 3509-3522	6.1	28
73	Protective Effects of <i>Lactobacillus plantarum</i> CCFM8246 against Copper Toxicity in Mice. <i>PLoS ONE</i> , 2015 , 10, e0143318	3.7	28
72	Genetically engineered <i>Lactococcus lactis</i> protect against house dust mite allergy in a BALB/c mouse model. <i>PLoS ONE</i> , 2014 , 9, e109461	3.7	27
71	<i>Lactobacillus plantarum</i> X1 with α -glucosidase inhibitory activity ameliorates type 2 diabetes in mice. <i>RSC Advances</i> , 2016 , 6, 63536-63547	3.7	23
70	Metagenomic insights into the effects of oligosaccharides on the microbial composition of cecal contents in constipated mice. <i>Journal of Functional Foods</i> , 2017 , 38, 486-496	5.1	22
69	The binding characters study of lead removal by <i>Lactobacillus plantarum</i> CCFM8661. <i>European Food Research and Technology</i> , 2016 , 242, 1621-1629	3.4	22
68	Screening of lactobacilli with antagonistic activity against enteroinvasive <i>Escherichia coli</i> . <i>Food Control</i> , 2013 , 30, 563-568	6.2	22
67	Acetic acid and butyric acid released in large intestine play different roles in the alleviation of constipation. <i>Journal of Functional Foods</i> , 2020 , 69, 103953	5.1	21
66	Intestinal environmental disorders associate with the tissue damages induced by perfluorooctane sulfonate exposure. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 197, 110590	7	20
65	<i>Lactobacillus plantarum</i> CCFM639 alleviates aluminium toxicity. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1891-1900	5.7	20

64	Adhesive Induced Changes in Cecal Microbiome Alleviated Constipation in Mice. <i>Frontiers in Microbiology</i> , 2019 , 10, 1721	5.7	18
63	Bifidobacterium adolescentis and Lactobacillus rhamnosus alleviate non-alcoholic fatty liver disease induced by a high-fat, high-cholesterol diet through modulation of different gut microbiota-dependent pathways. <i>Food and Function</i> , 2020 , 11, 6115-6127	6.1	18
62	Effects of lactobacilli with different regulatory behaviours on tight junctions in mice with dextran sodium sulphate-induced colitis. <i>Journal of Functional Foods</i> , 2018 , 47, 107-115	5.1	17
61	Lactic acid bacteria reduce diabetes symptoms in mice by alleviating gut microbiota dysbiosis and inflammation in different manners. <i>Food and Function</i> , 2020 , 11, 5898-5914	6.1	16
60	Targeting Gut Microbiota Dysbiosis: Potential Intervention Strategies for Neurological Disorders. <i>Engineering</i> , 2020 , 6, 415-423	9.7	16
59	Perfluorooctanoic acid-induced liver injury is potentially associated with gut microbiota dysbiosis. <i>Chemosphere</i> , 2021 , 266, 129004	8.4	16
58	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
57	Determining antioxidant activities of lactobacilli by cellular antioxidant assay in mammal cells. <i>Journal of Functional Foods</i> , 2015 , 19, 554-562	5.1	14
56	Suppression of dust mite allergy by mucosal delivery of a hypoallergenic derivative in a mouse model. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 4309-19	5.7	14
55	JCM 1132 Strain and Its Mutant with Different Bacteriocin-Producing Behaviour Have Various in Situ Effects on the Gut Microbiota of Healthy Mice. <i>Microorganisms</i> , 2019 , 8,	4.9	14
54	Gut microbiota dysbiosis might be responsible to different toxicity caused by Di-(2-ethylhexyl) phthalate exposure in murine rodents. <i>Environmental Pollution</i> , 2020 , 261, 114164	9.3	13
53	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
52	Cellular model to assess the antioxidant activity of lactobacilli. <i>RSC Advances</i> , 2015 , 5, 37626-37634	3.7	12
51	Lactic acid bacteria alleviate polycystic ovarian syndrome by regulating sex hormone related gut microbiota. <i>Food and Function</i> , 2020 , 11, 5192-5204	6.1	12
50	A cellular model for screening of lactobacilli that can enhance tight junctions. <i>RSC Advances</i> , 2016 , 6, 111812-111821	3.7	12
49	Oral application of lactic acid bacteria following treatment with antibiotics inhibits allergic airway inflammation. <i>Journal of Applied Microbiology</i> , 2015 , 119, 809-17	4.7	12
48	Enhancement of bile resistance in Lactobacillus plantarum strains by soy lecithin. <i>Letters in Applied Microbiology</i> , 2015 , 61, 13-9	2.9	10
47	The Effect of Co-infection of Food-Borne Pathogenic Bacteria on the Progression of Infection in Mice. <i>Frontiers in Microbiology</i> , 2018 , 9, 1977	5.7	10

46	Lactobacillus plantarum CCFM639 can prevent aluminium-induced neural injuries and abnormal behaviour in mice. <i>Journal of Functional Foods</i> , 2017 , 30, 142-150	5.1	9
45	Systematic understanding of the potential manganese-adsorption components of a screened Lactobacillus plantarum CCFM436. <i>RSC Advances</i> , 2016 , 6, 102804-102813	3.7	9
44	Partial characterisation of an anti-listeria substance produced by <i>Pediococcus acidilactici</i> P9. <i>International Dairy Journal</i> , 2014 , 34, 275-279	3.5	9
43	Lactic acid bacteria strains relieve hyperuricaemia by suppressing xanthine oxidase activity a short-chain fatty acid-dependent mechanism. <i>Food and Function</i> , 2021 , 12, 7054-7067	6.1	9
42	Protective effect of <i>Streptococcus thermophilus</i> CCFM218 against house dust mite allergy in a mouse model. <i>Food Control</i> , 2015 , 50, 283-290	6.2	8
41	Mucosal delivery of allergen peptides expressed by <i>Lactococcus lactis</i> inhibit allergic responses in a BALB/c mouse model. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1915-1924	5.7	8
40	Strains Relieve Loperamide-Induced Constipation via Different Pathways Independent of Short-Chain Fatty Acids. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 423	5.9	8
39	The effects of diet and gut microbiota on the regulation of intestinal mucin glycosylation. <i>Carbohydrate Polymers</i> , 2021 , 258, 117651	10.3	8
38	Administration of Improves the Brain Function of Aβ-Treated Mice via the Modulation of the Gut Microbiome. <i>Nutrients</i> , 2021 , 13,	6.7	8
37	Probiotics for Mild Cognitive Impairment and Alzheimer's Disease: A Systematic Review and Meta-Analysis. <i>Foods</i> , 2021 , 10,	4.9	8
36	Daily intake of Lactobacillus alleviates autistic-like behaviors by ameliorating the 5-hydroxytryptamine metabolic disorder in VPA-treated rats during weaning and sexual maturation. <i>Food and Function</i> , 2021 , 12, 2591-2604	6.1	8
35	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
34	Lactic acid bacteria exhibit similar antioxidant capacities in - and -infected mice.. <i>RSC Advances</i> , 2020 , 10, 3329-3342	3.7	7
33	<i>Bifidobacterium breve</i> CCFM1025 Attenuates Major Depression Disorder via Regulating Gut Microbiome and Tryptophan Metabolism: A Randomized Clinical Trial. <i>Brain, Behavior, and Immunity</i> , 2021 , 100, 233-233	16.6	7
32	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
31	Unraveling the Microbial Mechanisms Underlying the Psychobiotic Potential of a <i>Bifidobacterium breve</i> Strain. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000704	5.9	7
30	Screening of potential probiotic lactic acid bacteria based on gastrointestinal properties and perfluorooctanoate toxicity. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 6755-6766	5.7	6
29	Modulation of the Gut Microbiota Structure with Probiotics and Isoflavone Alleviates Metabolic Disorder in Ovariectomized Mice. <i>Nutrients</i> , 2021 , 13,	6.7	5

28	Enhancement of ester formation in Camembert cheese by addition of ethanol. <i>International Journal of Dairy Technology</i> , 2017 , 70, 220-227	3.7	4
27	The Diversity of the CRISPR-Cas System and Prophages Present in the Genome Reveals the Co-evolution of and Phages. <i>Frontiers in Microbiology</i> , 2020 , 11, 1088	5.7	4
26	Isolated from Different Hosts Modifies the Intestinal Microbiota and Displays Differential Metabolic and Immunomodulatory Properties in Mice Fed a High-Fat Diet. <i>Nutrients</i> , 2021 , 13,	6.7	4
25	An in vitro screening method for probiotics with antidepressant-like effect using the enterochromaffin cell model. <i>Food and Function</i> , 2021 , 12, 646-655	6.1	4
24	CCFM1019 attenuate polycystic ovary syndrome through butyrate dependent gut-brain mechanism.. <i>Food and Function</i> , 2022 ,	6.1	3
23	Sulforaphane ameliorates non-alcoholic fatty liver disease in mice by promoting FGF21/FGFR1 signaling pathway. <i>Acta Pharmacologica Sinica</i> , 2021 ,	8	3
22	The autistic-like behaviors development during weaning and sexual maturation in VPA-induced autistic-like rats is accompanied by gut microbiota dysbiosis. <i>PeerJ</i> , 2021 , 9, e11103	3.1	3
21	The emerging role of the gut microbiome in polycystic ovary syndrome. <i>F&S Reviews</i> , 2021 , 2, 214-226	0.5	3
20	Consumption of Butylated Starch Alleviates the Chronic Restraint Stress-Induced Neurobehavioral and Gut Barrier Deficits Through Reshaping the Gut Microbiota. <i>Frontiers in Immunology</i> , 2021 , 12, 7554814	8.4	3
19	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
18	relieves constipation by regulating the intestinal barrier of mice.. <i>Food and Function</i> , 2022 ,	6.1	3
17	Lactic Acid Bacteria and Host Immunity 2019 , 261-296		2
16	A randomised, double-blind, placebo-controlled trial of CCFM16 for manipulation of the gut microbiota and relief from chronic constipation.. <i>Food and Function</i> , 2022 ,	6.1	2
15	strains derived from human gut ameliorate metabolic disorders via modulation of gut microbiota composition and short-chain fatty acids metabolism. <i>Beneficial Microbes</i> , 2021 , 12, 267-281	4.9	2
14	Different strains change the intestinal flora composition of mice different mechanisms to alleviate loperamide-induced constipation. <i>Food and Function</i> , 2021 , 12, 6058-6069	6.1	2
13	Lactic Acid Bacteria and Foodborne Pathogens 2018 , 183-212		2
12	Lactic acid bacteria alleviate liver damage caused by perfluorooctanoic acid exposure via antioxidant capacity, biosorption capacity and gut microbiota regulation. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 222, 112515	7	2
11	Psychobiotics as a novel strategy for alleviating anxiety and depression. <i>Journal of Functional Foods</i> , 2021 , 86, 104718	5.1	2

10	A psychobiotic approach to the treatment of depression: A systematic review and meta-analysis. <i>Journal of Functional Foods</i> , 2022 , 91, 104999	5.1	2
9	CCFM1077 Ameliorated Neurotransmitter Disorder and Neuroinflammation Closely Linked to Regulation in the Kynurenine Pathway of Autistic-like Rats.. <i>Nutrients</i> , 2022 , 14,	6.7	2
8	Lactic Acid Bacteria in Animal Breeding and Aquaculture 2019 , 257-283		1
7	Efficacy of <i>Saccharomyces Boulardii</i> Metabolism during Fermentation of Milk Fortified with Wheat Grain Juice. <i>Food Science and Technology Research</i> , 2019 , 25, 657-665	0.8	1
6	CCFM6432 mitigates chronic stress-induced anxiety and gut microbial abnormalities. <i>Food and Function</i> , 2021 , 12, 11241-11249	6.1	1
5	Targeting the Gut Microbiota for Remediating Obesity and Related Metabolic Disorders. <i>Journal of Nutrition</i> , 2021 , 151, 1703-1716	4.1	1
4	Butylated starch alleviates polycystic ovary syndrome by stimulating the secretion of peptide tyrosine-tyrosine and regulating faecal microbiota.. <i>Carbohydrate Polymers</i> , 2022 , 287, 119304	10.3	1
3	Quorum Sensing of Lactic Acid Bacteria: Progress and Insights. <i>Food Reviews International</i> ,1-12	5.5	1
2	Lactic acid bacteria that activate immune gene expression in <i>Caenorhabditis elegans</i> can antagonise <i>Campylobacter jejuni</i> infection in nematodes, chickens and mice. <i>BMC Microbiology</i> , 2021 , 21, 169	4.5	0
1	Lactic acid bacteria alleviate di-(2-ethylhexyl) phthalate-induced liver and testis toxicity via their bio-binding capacity, antioxidant capacity and regulation of the gut microbiota.. <i>Environmental Pollution</i> , 2022 , 119197	9.3	0