

# Wenyi Zhang

## 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.

97  
papers

2,675  
citations

22  
h-index

49  
g-index

101  
ext. papers

3,360  
ext. citations

5.7  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
97	Comparative genomic analysis of 455 <i>Lactiplantibacillus plantarum</i> isolates: Habitat-specific genomes shaped by frequent recombination.. <i>Food Microbiology</i> , <b>2022</b> , 104, 103989	6	2
96	Metabolomic analysis of <i>Streptococcus thermophilus</i> S10-fermented milk. <i>LWT - Food Science and Technology</i> , <b>2022</b> , 161, 113368	5.4	1
95	Intra-area factors dominate the spatio-temporal transmission heterogeneity of hand, foot, and mouth disease in China: A modelling study. <i>Science of the Total Environment</i> , <b>2021</b> , 775, 145859	10.2	
94	Probiotics as Adjunctive Treatment for Patients Contracted COVID-19: Current Understanding and Future Needs. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 669808	6.2	15
93	COVID-19 in China: Risk Factors and R Revisited. <i>Acta Tropica</i> , <b>2021</b> , 213, 105731	3.2	7
92	Untargeted mass spectrometry-based metabolomics approach unveils molecular changes in milk fermented by <i>Lactobacillus plantarum</i> P9. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 140, 110759	5.4	4
91	Attributable risks associated with hospital outpatient visits for mental disorders due to air pollution: A multi-city study in China. <i>Environment International</i> , <b>2020</b> , 143, 105906	12.9	23
90	Geographical variation in the risk of H7N9 human infections in China: implications for risk-based surveillance. <i>Scientific Reports</i> , <b>2020</b> , 10, 10372	4.9	1
89	The SARS, MERS and novel coronavirus (COVID-19) epidemics, the newest and biggest global health threats: what lessons have we learned?. <i>International Journal of Epidemiology</i> , <b>2020</b> , 49, 717-726	7.8	775
88	Metabolic footprinting revealed key biochemical changes in a brown fermented milk product using <i>Streptococcus thermophilus</i> . <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 2128-2138	4	16
87	Quantifying the risk of hand, foot, and mouth disease (HFMD) attributable to meteorological factors in East China: A time series modelling study. <i>Science of the Total Environment</i> , <b>2020</b> , 728, 138548	10.2	8
86	Adaptation of <i>Lactobacillus plantarum</i> to Ampicillin Involves Mechanisms That Maintain Protein Homeostasis. <i>MSystems</i> , <b>2020</b> , 5,	7.6	9
85	Spatial distribution of leptospirosis incidence in the Upper Yangtze and Pearl River Basin, China: Tools to support intervention and elimination. <i>Science of the Total Environment</i> , <b>2020</b> , 725, 138251	10.2	6
84	Short communication: Modulation of fatty acid metabolism improves oxygen tolerance of <i>Bifidobacterium animalis</i> ssp. <i>lactis</i> Probio-M8. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 8791-8795	4	8
83	Fermented milk containing <i>Lactobacillus casei</i> Zhang and <i>Bifidobacterium animalis</i> ssp. <i>lactis</i> V9 alleviated constipation symptoms through regulation of intestinal microbiota, inflammation, and metabolic pathways. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 11025-11038	4	13
82	The immune regulatory role of <i>Lactobacillus acidophilus</i> : An updated meta-analysis of randomized controlled trials. <i>Food Bioscience</i> , <b>2020</b> , 36, 100656	4.9	9
81	Short-term effect of PM on hospital admission for ischemic stroke: A multi-city case-crossover study in China. <i>Environmental Pollution</i> , <b>2020</b> , 260, 113776	9.3	12

80	Bounds on the Capacity Region of the Optical Intensity Multiple Access Channel. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 7629-7641	6.9	3
79	The Impacts of Climatic Factors and Vegetation on Hemorrhagic Fever with Renal Syndrome Transmission in China: A Study of 109 Counties. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	4
78	Probabilistic logic analysis of the highly heterogeneous spatiotemporal HFERS incidence distribution in Heilongjiang province (China) during 2005-2013. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007091	4.8	15
77	Climate variability, satellite-derived physical environmental data and human leptospirosis: A retrospective ecological study in China. <i>Environmental Research</i> , <b>2019</b> , 176, 108523	7.9	6
76	User-Cognizant Scalable Video Transmission over Heterogeneous Cellular Networks <b>2019</b> , 1305-1341		
75	Short-term exposure to air pollution and conjunctivitis outpatient visits: A multi-city study in China. <i>Environmental Pollution</i> , <b>2019</b> , 254, 113030	9.3	21
74	Response of the Chinese Soft-Shell Turtle to Acute Heat Stress: Insights From the Systematic Antioxidant Defense. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 710	4.6	6
73	Exploring Potential Travel Demand of Customized Bus Using Smartcard Data* <b>2019</b> ,		2
72	Spatial epidemiological approaches to inform leptospirosis surveillance and control: A systematic review and critical appraisal of methods. <i>Zoonoses and Public Health</i> , <b>2019</b> , 66, 185-206	2.9	9
71	Physiological responses in vitamin C system during hibernation in juvenile Chinese soft-shelled turtle <i>Pelodiscus sinensis</i> . <i>Journal of Oceanology and Limnology</i> , <b>2019</b> , 37, 767-776	1.5	6
70	Effect of exogenous hydrogen peroxide on ROS balance and antioxidant response in Chinese soft-shelled turtle <i>Pelodiscus sinensis</i> . <i>Aquaculture</i> , <b>2019</b> , 501, 293-303	4.4	4
69	Spatiotemporal variation of PM1 pollution in China. <i>Atmospheric Environment</i> , <b>2018</b> , 178, 198-205	5.3	46
68	Projecting potential spatial and temporal changes in the distribution of and malaria in China with climate change. <i>Science of the Total Environment</i> , <b>2018</b> , 627, 1285-1293	10.2	14
67	Projecting environmental suitable areas for malaria transmission in China under climate change scenarios. <i>Environmental Research</i> , <b>2018</b> , 162, 203-210	7.9	18
66	Genomic resequencing combined with quantitative proteomic analyses elucidate the survival mechanisms of <i>Lactobacillus plantarum</i> P-8 in a long-term glucose-limited experiment. <i>Journal of Proteomics</i> , <b>2018</b> , 176, 37-45	3.9	3
65	Integrative Genomic and Proteomic Analysis of the Response of <i>Lactobacillus casei</i> Zhang to Glucose Restriction. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 1290-1299	5.6	2
64	<i>Lactobacillus casei</i> asp23 gene contributes to gentamycin resistance via regulating specific membrane-associated proteins. <i>Journal of Dairy Science</i> , <b>2018</b> , 101, 1915-1920	4	7
63	Estimating spatiotemporal distribution of PM concentrations in China with satellite remote sensing, meteorology, and land use information. <i>Environmental Pollution</i> , <b>2018</b> , 233, 1086-1094	9.3	102

62	Genomic Variations in Probiotic P-8 in the Human and Rat Gut. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 893	5.7	13
61	Assessment of heat- and cold-related emergency department visits in cities of China and Australia: Population vulnerability and attributable burden. <i>Environmental Research</i> , <b>2018</b> , 166, 610-619	7.9	16
60	Mapping the potential distributions of etiological agent, vectors, and reservoirs of Japanese Encephalitis in Asia and Australia. <i>Acta Tropica</i> , <b>2018</b> , 188, 108-117	3.2	17
59	Spatiotemporal variation of the association between climate dynamics and HFRS outbreaks in Eastern China during 2005-2016 and its geographic determinants. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006554	4.8	22
58	Environmental Determinants of Hemorrhagic Fever with Renal Syndrome in High-Risk Counties in China: A Time Series Analysis (2002-2012). <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2018</b> , 99, 1262-1268	3.2	7
57	Modeling the Present and Future Incidence of Pediatric Hand, Foot, and Mouth Disease Associated with Ambient Temperature in Mainland China. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 047010	8.4	25
56	Ambient temperature and emergency department visits: Time-series analysis in 12 Chinese cities. <i>Environmental Pollution</i> , <b>2017</b> , 224, 310-316	9.3	45
55	Glutathione redox balance in hibernating Chinese soft-shelled turtle <i>Pelodiscus sinensis</i> hatchlings. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2017</b> , 207, 9-14	2.3	13
54	Effects of acute cold exposure on oxidative balance and total antioxidant capacity in juvenile Chinese soft-shelled turtle, <i>Pelodiscus sinensis</i> . <i>Integrative Zoology</i> , <b>2017</b> , 12, 371-378	1.9	11
53	Is short-term exposure to ambient fine particles associated with measles incidence in China? A multi-city study. <i>Environmental Research</i> , <b>2017</b> , 156, 306-311	7.9	65
52	Are hospital emergency department visits due to dog bites associated with ambient temperature? A time-series study in Beijing, China. <i>Science of the Total Environment</i> , <b>2017</b> , 598, 71-76	10.2	9
51	Attributable risks of emergency hospital visits due to air pollutants in China: A multi-city study. <i>Environmental Pollution</i> , <b>2017</b> , 228, 43-49	9.3	42
50	Human mobility in space from three modes of public transportation. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2017</b> , 483, 227-238	3.3	25
49	. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 2481-2493	6.9	13
48	Effects of ambient PM air pollution on daily emergency hospital visits in China: an epidemiological study. <i>Lancet Planetary Health, The</i> , <b>2017</b> , 1, e221-e229	9.8	95
47	Genome adaptive evolution of <i>Lactobacillus casei</i> under long-term antibiotic selection pressures. <i>BMC Genomics</i> , <b>2017</b> , 18, 320	4.5	19
46	RT-PCR using glycoprotein target is more sensitive for the detection of Ebola virus in clinical samples. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2017</b> , 87, 235-237	2.9	1
45	The impact of ambient fine particles on influenza transmission and the modification effects of temperature in China: A multi-city study. <i>Environment International</i> , <b>2017</b> , 98, 82-88	12.9	71

44	The weekly associations between climatic factors and Plasmodium vivax and Plasmodium falciparum malaria in China, 2005-2014. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>2017</b> , 111, 211-219	2	9
43	Excess pneumonia and influenza mortality attributable to seasonal influenza in subtropical Shanghai, China. <i>BMC Infectious Diseases</i> , <b>2017</b> , 17, 756	4	7
42	A Space-Time Study of Hemorrhagic Fever with Renal Syndrome (HFRS) and Its Climatic Associations in Heilongjiang Province, China. <i>Frontiers in Applied Mathematics and Statistics</i> , <b>2017</b> , 3,	2.2	13
41	Adaptation of Zhang to Gentamycin Involves an Alkaline Shock Protein. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2316	5.7	9
40	User-Cognizant Scalable Video Transmission over Heterogeneous Cellular Networks <b>2017</b> , 1-37		
39	Spatial change in the risks of Plasmodium vivax and Plasmodium falciparum malaria in China, 2005-2014. <i>Infection, Disease and Health</i> , <b>2016</b> , 21, 89-96	4.6	1
38	Proteomic analysis of an engineered isolate of Lactobacillus plantarum with enhanced raffinose metabolic capacity. <i>Scientific Reports</i> , <b>2016</b> , 6, 31403	4.9	7
37	Determinants of patient survival during the 2014 Ebola Virus Disease outbreak in Bong County, Liberia. <i>Global Health Research and Policy</i> , <b>2016</b> , 1, 5	7.6	4
36	Malaria elimination in Botswana, 2012-2014: achievements and challenges. <i>Parasites and Vectors</i> , <b>2016</b> , 9, 99	4	29
35	Caching-Based Scalable Video Transmission Over Cellular Networks. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 1156-1159	3.8	31
34	Clinical and spatial features of Zika virus in Mexico. <i>Acta Tropica</i> , <b>2016</b> , 162, 5-10	3.2	13
33	. <i>IEEE Transactions on Information Theory</i> , <b>2016</b> , 62, 2140-2152	2.8	3
32	Prediction of Protein-Adenosine-5'-Triphosphate Binding Sites with Negative Samples Clustering and Ensemble Learning Method. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2016</b> , 13, 890-898 <sup>8.3</sup>		
31	Development and Evaluation of a Rapid and Sensitive EBOV-RPA Test for Rapid Diagnosis of Ebola Virus Disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 26943	4.9	20
30	Spatial and space-time distribution of Plasmodium vivax and Plasmodium falciparum malaria in China, 2005-2014. <i>Malaria Journal</i> , <b>2016</b> , 15, 595	3.6	12
29	Multilocus sequence typing of Lactobacillus casei isolates from naturally fermented foods in China and Mongolia. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 5202-5213	4	22
28	Fatal landslides in Europe. <i>Landslides</i> , <b>2016</b> , 13, 1545-1554	6.6	155
27	Multilocus sequence typing of a dairy-associated Leuconostoc mesenteroides population reveals clonal structure with intragenic homologous recombination. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 2284-93	4	10

26	Corrigendum to Multilocus sequence typing of a dairy-associated <i>Leuconostoc mesenteroides</i> population reveals clonal structure with intragenic homologous recombination [J. Dairy Sci. 98:2284-2293]. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 4241	4	
25	Short communication: Single molecule, real-time sequencing technology revealed species- and strain-specific methylation patterns of 2 <i>Lactobacillus</i> strains. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 3020-4	4	29
24	Spatial patterns and determinants of malaria infection during pregnancy in Zambia. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>2015</b> , 109, 514-21	2	9
23	Complete genome sequence of <i>Lactobacillus helveticus</i> H9, a probiotic strain originated from kurut. <i>Journal of Biotechnology</i> , <b>2015</b> , 194, 37-8	3.7	10
22	Weather variability and influenza A (H7N9) transmission in Shanghai, China: a Bayesian spatial analysis. <i>Environmental Research</i> , <b>2015</b> , 136, 405-12	7.9	20
21	Complete genome sequence of probiotic <i>Lactobacillus plantarum</i> P-8 with antibacterial activity. <i>Journal of Biotechnology</i> , <b>2015</b> , 193, 41-2	3.7	20
20	Use of multilocus sequence typing to infer genetic diversity and population structure of <i>Lactobacillus plantarum</i> isolates from different sources. <i>BMC Microbiology</i> , <b>2015</b> , 15, 241	4.5	20
19	Diagnostic approaches to malaria in Zambia, 2009-2014. <i>Geospatial Health</i> , <b>2015</b> , 10, 330	2.2	6
18	Predict and Analyze Protein Glycation Sites with the mRMR and IFS Methods. <i>BioMed Research International</i> , <b>2015</b> , 2015, 561547	3	13
17	The effects of acute ammonia exposure on the immune response of juvenile freshwater prawn, <i>Macrobrachium nipponense</i> . <i>Journal of Crustacean Biology</i> , <b>2015</b> , 35, 76-80	0.8	13
16	The role of environmental factors in the spatial distribution of Japanese encephalitis in mainland China. <i>Environment International</i> , <b>2014</b> , 73, 1-9	12.9	34
15	Effect of oral consumption of probiotic <i>Lactobacillus plantarum</i> P-8 on fecal microbiota, SIgA, SCFAs, and TBAs of adults of different ages. <i>Nutrition</i> , <b>2014</b> , 30, 776-83.e1	4.8	73
14	Seasonal amplitude of hemorrhagic fever with renal syndrome in China: a call for attention to neglected regions. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 59, 1040-2	11.6	1
13	Epidemiologic characteristics of cases for influenza A(H7N9) virus infections in China. <i>Clinical Infectious Diseases</i> , <b>2013</b> , 57, 619-20	11.6	21
12	Opportunistic Detection Under a Fixed-Sample-Size Setting. <i>IEEE Transactions on Information Theory</i> , <b>2013</b> , 59, 1107-1114	2.8	2
11	Deaths associated with Japanese encephalitis, China, 2005-2010. <i>Clinical Infectious Diseases</i> , <b>2013</b> , 56, 752	11.6	8
10	High-risk regions of human brucellosis in china: implications for prevention and early diagnosis of travel-related infections. <i>Clinical Infectious Diseases</i> , <b>2013</b> , 57, 330-2	11.6	14
9	Human brucellosis, a heterogeneously distributed, delayed, and misdiagnosed disease in china. <i>Clinical Infectious Diseases</i> , <b>2013</b> , 56, 750-1	11.6	23

8	Improvement and advancement of early diagnosis of human brucellosis in window period. <i>Clinical Infectious Diseases</i> , <b>2013</b> , 57, 322-3	11.6	5
7	Geographic co-distribution of influenza virus subtypes H7N9 and H5N1 in humans, China. <i>Emerging Infectious Diseases</i> , <b>2013</b> , 19, 1898-1900	10.2	7
6	Prediction of methylation sites using the composition of K-spaced amino acid pairs. <i>Protein and Peptide Letters</i> , <b>2013</b> , 20, 911-7	1.9	18
5	Lactobacillus casei Zhang stimulates lipid metabolism in hypercholesterolemic rats by affecting gene expression in the liver. <i>European Journal of Lipid Science and Technology</i> , <b>2012</b> , 114, 244-252	3	22
4	Proteomic analysis of responses of a new probiotic bacterium Lactobacillus casei Zhang to low acid stress. <i>International Journal of Food Microbiology</i> , <b>2011</b> , 147, 181-7	5.8	80
3	Complete genome sequence of Lactobacillus casei Zhang, a new probiotic strain isolated from traditional homemade koumiss in Inner Mongolia, China. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 5268-9	3.5	68
2	Proteomics analysis of Lactobacillus casei Zhang, a new probiotic bacterium isolated from traditional home-made koumiss in Inner Mongolia of China. <i>Molecular and Cellular Proteomics</i> , <b>2009</b> , 8, 2321-38	7.6	65
1	Spatial analysis of malaria in Anhui province, China. <i>Malaria Journal</i> , <b>2008</b> , 7, 206	3.6	63