

# Jumei Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

106  
papers

1,902  
citations

304368

22  
h-index

360668

35  
g-index

107  
all docs

107  
docs citations

107  
times ranked

1314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein hydrolysates from <i>Pleurotus geesteranus</i> obtained by simulated gastrointestinal digestion exhibit neuroprotective effects in H <sub>2</sub> O <sub>2</sub> -injured PC12 cells. <i>Journal of Food Biochemistry</i> , 2022, 46, e13879.	1.2	5
2	Characterization and genome analysis of a novel <i>Vibrio parahaemolyticus</i> phage vB_VpP_DE17. <i>Virus Research</i> , 2022, 307, 198580.	1.1	15
3	Development of a high resolution melting method based on a novel molecular target for discrimination between <i>Bacillus cereus</i> and <i>Bacillus thuringiensis</i> . <i>Food Research International</i> , 2022, 151, 110845.	2.9	10
4	Presence and characterization of methicillin-resistant <i>Staphylococcus aureus</i> co-carrying the multidrug resistance genes <i>cfr</i> and <i>lsa(E)</i> in retail food in China. <i>International Journal of Food Microbiology</i> , 2022, 363, 109512.	2.1	12
5	A <i>Salmonella</i> serogroup rapid identification system for food safety based on high throughput microfluidic chip combined with recombinase aided amplification. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131402.	4.0	17
6	Advances in nanomaterial-based microfluidic platforms for on-site detection of foodborne bacteria. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 147, 116509.	5.8	51
7	A polysaccharide isolated from <i>Ganoderma lucidum</i> ameliorates hyperglycemia through modulating gut microbiota in type 2 diabetic mice. <i>International Journal of Biological Macromolecules</i> , 2022, 197, 23-38.	3.6	28
8	Characterization of the Novel Phage vB_VpaP_FE11 and Its Potential Role in Controlling <i>Vibrio parahaemolyticus</i> Biofilms. <i>Viruses</i> , 2022, 14, 264.	1.5	12
9	<i>Pseudomonas protegens</i> FJKB0103 Isolated from Rhizosphere Exhibits Anti-Methicillin-Resistant <i>Staphylococcus aureus</i> Activity. <i>Microorganisms</i> , 2022, 10, 315.	1.6	2
10	Whole <i>Agrocybe cylindracea</i> Prevented Obesity Linking with Modification of Gut Microbiota and Associated Fecal Metabolites in High-Fat Diet-Fed Mice. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100897.	1.5	7
11	A novel multiplex PCR method for simultaneous identification of hypervirulent <i>Listeria monocytogenes</i> clonal complex 87 and CC88 strains in China. <i>International Journal of Food Microbiology</i> , 2022, 366, 109558.	2.1	6
12	Novel multiplex PCR assays for rapid identification of <i>Salmonella</i> serogroups B, C1, C2, D, E, <i>S. enteritidis</i> , and <i>S. typhimurium</i> . <i>Analytical Methods</i> , 2022, 14, 1445-1453.	1.3	4
13	Exploration of the molecular mechanisms underlying the antibiotic resistance of <i>Helicobacter pylori</i> : A whole-genome sequencing-based study in Southern China. <i>Helicobacter</i> , 2022, 27, e12879.	1.6	7
14	Pseudotargeted Metabolomic Fingerprinting and Deep Learning for Identification and Visualization of Common Pathogens. <i>Frontiers in Microbiology</i> , 2022, 13, 830832.	1.5	2
15	Determination of Antiviral Mechanism of Centenarian Gut-Derived <i>Limosilactobacillus fermentum</i> Against Norovirus. <i>Frontiers in Nutrition</i> , 2022, 9, 812623.	1.6	4
16	Advances in improvement strategies of digital nucleic acid amplification for pathogen detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116568.	5.8	11
17	A microfluidic genoserotyping strategy for fast and objective identification of common <i>Salmonella</i> serotypes isolated from retail food samples in China. <i>Analytica Chimica Acta</i> , 2022, 1201, 339657.	2.6	8
18	A novel <i>Bacillus cereus</i> bacteriophage DLn1 and its endolysin as biocontrol agents against <i>Bacillus cereus</i> in milk. <i>International Journal of Food Microbiology</i> , 2022, 369, 109615.	2.1	14

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19	Controlled PAH-mediated method with enhanced optical properties for simple, stable immunochromatographic assays. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114150.	5.3	6
20	The VP2 protein exhibits cross-interaction to the VP1 protein in norovirus GII.17. <i>Infection, Genetics and Evolution</i> , 2022, 100, 105265.	1.0	4
21	Integrated Multi-Omics for Novel Aging Biomarkers and Antiaging Targets. <i>Biomolecules</i> , 2022, 12, 39.	1.8	20
22	Microbial Communities and Physiochemical Properties of Four Distinctive Traditionally Fermented Vegetables from North China and Their Influence on Quality and Safety. <i>Foods</i> , 2022, 11, 21.	1.9	8
23	Polysaccharide from <i>Agrocybe cylindracea</i> prevents diet-induced obesity through inhibiting inflammation mediated by gut microbiota and associated metabolites. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1430-1438.	3.6	36
24	Differentiation of <i>Bacillus cereus</i> and <i>Bacillus thuringiensis</i> Using Genome-Guided MALDI-TOF MS Based on Variations in Ribosomal Proteins. <i>Microorganisms</i> , 2022, 10, 918.	1.6	4
25	Exploration of the Molecular Mechanisms Underlying the Anti-Photoaging Effect of <i>Limosilactobacillus fermentum</i> XJC60. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 838060.	1.8	9
26	Multiplex PCR identification of the major <i>Pseudomonas aeruginosa</i> serogroups using specific novel target genes. <i>LWT - Food Science and Technology</i> , 2022, 163, 113567.	2.5	3
27	Probiotics supplementation improves hyperglycemia, hypercholesterolemia, and hypertension in type 2 diabetes mellitus: An update of meta-analysis. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 1670-1688.	5.4	47
28	Bioinformatic identification of key pathways, hub genes, and microbiota for therapeutic intervention in <i>Helicobacter pylori</i> infection. <i>Journal of Cellular Physiology</i> , 2021, 236, 1158-1183.	2.0	4
29	PCR identification of <i>Salmonella</i> serovars for the E serogroup based on novel specific targets obtained by pan-genome analysis. <i>LWT - Food Science and Technology</i> , 2021, 145, 110535.	2.5	7
30	Mining of novel target genes through pan-genome analysis for multiplex PCR differentiation of the major <i>Listeria monocytogenes</i> serotypes. <i>International Journal of Food Microbiology</i> , 2021, 339, 109026.	2.1	8
31	Isolation and characterization of a novel <i>Escherichia coli</i> Kayfunavirus phage DY1. <i>Virus Research</i> , 2021, 293, 198274.	1.1	16
32	Identification of Novel Sensitive and Reliable Serovar-Specific Targets for PCR Detection of <i>Salmonella</i> Serovars Hadar and Albany by Pan-Genome Analysis. <i>Frontiers in Microbiology</i> , 2021, 12, 605984.	1.5	8
33	Isolation and characterization of new phage vB_CtuP_A24 and application to control <i>Cronobacter</i> spp. in infant milk formula and lettuce. <i>Food Research International</i> , 2021, 141, 110109.	2.9	20
34	Cas12aFDet: A CRISPR/Cas12a-based fluorescence platform for sensitive and specific detection of <i>Listeria monocytogenes</i> serotype 4c. <i>Analytica Chimica Acta</i> , 2021, 1151, 338248.	2.6	44
35	Role of fliC on biofilm formation, adhesion, and cell motility in <i>Cronobacter malonicus</i> and regulation of luxS. <i>Food and Chemical Toxicology</i> , 2021, 149, 111940.	1.8	15
36	Development of a recombinase-aided amplification assay for rapid detection of human norovirus GII.4. <i>BMC Infectious Diseases</i> , 2021, 21, 248.	1.3	17

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37	Mining and evaluating novel serovar-specific Salmonella C1 serogroup genes by polymerase chain reaction analysis. <i>LWT - Food Science and Technology</i> , 2021, 141, 110821.	2.5	5
38	Evolutionary Mechanism of Immunological Cross-Reactivity Between Different GII.17 Variants. <i>Frontiers in Microbiology</i> , 2021, 12, 653719.	1.5	1
39	Selective Isolation of Bifidobacterium From Human Faeces Using Pangenomics, Metagenomics, and Enzymology. <i>Frontiers in Microbiology</i> , 2021, 12, 649698.	1.5	10
40	A Novel Gene vp0610 Negatively Regulates Biofilm Formation in <i>Vibrio parahaemolyticus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 656380.	1.5	4
41	An ultrasensitive CRISPR/Cas12a based electrochemical biosensor for <i>Listeria monocytogenes</i> detection. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113073.	5.3	151
42	Novel phage vB_CtuP_B1 for controlling <i>Cronobacter malonicus</i> and <i>Cronobacter turicensis</i> in ready-to-eat lettuce and powdered infant formula. <i>Food Research International</i> , 2021, 143, 110255.	2.9	14
43	Loop-mediated isothermal amplification (LAMP) for rapid detection of <i>Salmonella</i> in foods based on new molecular targets. <i>LWT - Food Science and Technology</i> , 2021, 142, 110999.	2.5	23
44	An Investigation on the Occurrence and Molecular Characterization of <i>Bacillus cereus</i> in Meat and Meat Products in China. <i>Foodborne Pathogens and Disease</i> , 2021, 18, 306-314.	0.8	21
45	Isolation and Characterization of a Novel <i>Salmonella</i> Phage vB_SalP_TR2. <i>Frontiers in Microbiology</i> , 2021, 12, 664810.	1.5	35
46	Evaluation of the Cholesterol-Lowering Mechanism of <i>Enterococcus faecium</i> Strain 132 and <i>Lactobacillus paracasei</i> Strain 201 in Hypercholesterolemia Rats. <i>Nutrients</i> , 2021, 13, 1982.	1.7	16
47	Identification of new serovar-specific detection targets against salmonella B serogroup using large-scale comparative genomics. <i>Food Control</i> , 2021, 124, 107862.	2.8	5
48	Genetic Diversity and Population Structure of <i>Vibrio parahaemolyticus</i> Isolated From Clinical and Food Sources. <i>Frontiers in Microbiology</i> , 2021, 12, 708795.	1.5	6
49	PCR and multiplex PCR assays for the detection of <i>Cronobacter</i> species using specific targets obtained by a bioinformatics approach. <i>Food Control</i> , 2021, 125, 107896.	2.8	11
50	Development of a High-Efficiency Immunomagnetic Enrichment Method for Detection of Human Norovirus via PAMAM Dendrimer/SA-Biotin Mediated Cascade-Amplification. <i>Frontiers in Microbiology</i> , 2021, 12, 673872.	1.5	4
51	Genomic Analysis and Stability Evaluation of the Phenol-Degrading Bacterium <i>Acinetobacter</i> sp. DW-1 During Water Treatment. <i>Frontiers in Microbiology</i> , 2021, 12, 687511.	1.5	6
52	Microbial Communities and Physicochemical Characteristics of Traditional Dajiang and Sufu in North China Revealed by High-Throughput Sequencing of 16S rRNA. <i>Frontiers in Microbiology</i> , 2021, 12, 665243.	1.5	6
53	Amplified electrochemical antibiotic aptasensing based on electrochemically deposited AuNPs coordinated with PEI-functionalized Fe-based metal-organic framework. <i>Mikrochimica Acta</i> , 2021, 188, 286.	2.5	19
54	Metagenomics-Based Analysis of the Age-Related Cumulative Effect of Antibiotic Resistance Genes in Gut Microbiota. <i>Antibiotics</i> , 2021, 10, 1006.	1.5	12

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55	Bacterial Diversity and Community in Regional Water Microbiota between Different Towns in World's Longevity Township Jiaoling, China. <i>Diversity</i> , 2021, 13, 361.	0.7	2
56	Highly efficient removal of Sb(V) from water by franklinite-containing nano-FeZn composites. <i>Scientific Reports</i> , 2021, 11, 17113.	1.6	2
57	Antigenic Diversity of Human Norovirus Capsid Proteins Based on the Cross-Reactivities of Their Antisera. <i>Pathogens</i> , 2021, 10, 986.	1.2	3
58	Recent Advances in Glycosidase Probes Used in Escherichia Coli Detection. <i>Current Medicinal Chemistry</i> , 2021, 28, 5386-5410.	1.2	2
59	Development and Application of a Novel Rapid and Throughput Method for Broad-Spectrum Anti-Foodborne Norovirus Antibody Testing. <i>Frontiers in Microbiology</i> , 2021, 12, 670488.	1.5	3
60	First report of the <i>optrA</i> -carrying multidrug resistance genomic island in <i>Campylobacter jejuni</i> isolated from pigeon meat. <i>International Journal of Food Microbiology</i> , 2021, 354, 109320.	2.1	12
61	Quantitative detection of aflatoxin B1 using quantum dots-based immunoassay in a recyclable gravity-driven microfluidic chip. <i>Biosensors and Bioelectronics</i> , 2021, 190, 113394.	5.3	22
62	High prevalence of multidrug-resistant <i>Escherichia coli</i> and first detection of IncHI2/IncX4-plasmid carrying <i>mcr-1</i> <i>E. coli</i> in retail ready-to-eat foods in China. <i>International Journal of Food Microbiology</i> , 2021, 355, 109349.	2.1	15
63	Receptor profile and immunogenicity of the non-epidemic norovirus GII.8 variant. <i>Virus Research</i> , 2021, 306, 198603.	1.1	2
64	Lysozyme-like Protein Produced by <i>Bifidobacterium longum</i> Regulates Human Gut Microbiota Using In Vitro Models. <i>Molecules</i> , 2021, 26, 6480.	1.7	5
65	Evolutionary Divergence of the Novel Staphylococcal Species <i>Staphylococcus argenteus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 769642.	1.5	4
66	<i>Pediococcus pentosaceus</i> IM96 Exerts Protective Effects against Enterohemorrhagic <i>Escherichia coli</i> O157:H7 Infection In Vivo. <i>Foods</i> , 2021, 10, 2945.	1.9	9
67	Imbalanced Dermic Microbiome Aggravates Inflammation in Toenail Paronychia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 781927.	1.8	1
68	Characteristics of Antibiotic Resistance Genes and Antibiotic-Resistant Bacteria in Full-Scale Drinking Water Treatment System Using Metagenomics and Culturing. <i>Frontiers in Microbiology</i> , 2021, 12, 798442.	1.5	12
69	Molecular Characterization of Rifampicin-Resistant <i>Staphylococcus aureus</i> Isolates from Retail Foods in China. <i>Antibiotics</i> , 2021, 10, 1487.	1.5	1
70	Prevalence and characterization of <i>Salmonella</i> isolated from raw vegetables in China. <i>Food Control</i> , 2020, 109, 106915.	2.8	41
71	Characterization of class 1 integrons harboring <i>bla</i> VEB-1 in <i>Vibrio parahaemolyticus</i> isolated from ready-to-eat foods in China. <i>International Journal of Food Microbiology</i> , 2020, 318, 108473.	2.1	6
72	Prevalence, virulence, antimicrobial resistance, and molecular characterization of fluoroquinolone resistance of <i>Vibrio parahaemolyticus</i> from different types of food samples in China. <i>International Journal of Food Microbiology</i> , 2020, 317, 108461.	2.1	33

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73	A database for risk assessment and comparative genomic analysis of foodborne <i>Vibrio parahaemolyticus</i> in China. <i>Scientific Data</i> , 2020, 7, 321.	2.4	8
74	<i>Cronobacter</i> spp. isolated from aquatic products in China: Incidence, antibiotic resistance, molecular characteristic and CRISPR diversity. <i>International Journal of Food Microbiology</i> , 2020, 335, 108857.	2.1	19
75	Prevalence, Virulence, Antimicrobial Resistance, and Molecular Characterization of <i>Pseudomonas aeruginosa</i> Isolates From Drinking Water in China. <i>Frontiers in Microbiology</i> , 2020, 11, 544653.	1.5	17
76	Food-Borne <i>Vibrio parahaemolyticus</i> in China: Prevalence, Antibiotic Susceptibility, and Genetic Characterization. <i>Frontiers in Microbiology</i> , 2020, 11, 1670.	1.5	31
77	Isolation and Characterization of <i>Bacillus cereus</i> Phage vB_BceP-DLc1 Reveals the Largest Member of the $\lambda$ 29-Like Phages. <i>Microorganisms</i> , 2020, 8, 1750.	1.6	15
78	Isolation and Characterization of the Novel Phages vB_VpS_BA3 and vB_VpS_CA8 for Lysing <i>Vibrio parahaemolyticus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 259.	1.5	65
79	<i>Campylobacter jejuni</i> Biofilm Formation Under Aerobic Conditions and Inhibition by ZnO Nanoparticles. <i>Frontiers in Microbiology</i> , 2020, 11, 207.	1.5	31
80	Abundant and Diverse RNA Viruses in Insects Revealed by RNA-Seq Analysis: Ecological and Evolutionary Implications. <i>MSystems</i> , 2020, 5, .	1.7	66
81	Prevalence, genetic analysis and CRISPR typing of <i>Cronobacter</i> spp. isolated from meat and meat products in China. <i>International Journal of Food Microbiology</i> , 2020, 321, 108549.	2.1	21
82	Occurrence and Characterization of Fungi and Mycotoxins in Contaminated Medicinal Herbs. <i>Toxins</i> , 2020, 12, 30.	1.5	32
83	<i>Staphylococcus argenteus</i> isolated from retail foods in China: Incidence, antibiotic resistance, biofilm formation and toxin gene profile. <i>Food Microbiology</i> , 2020, 91, 103531.	2.1	20
84	The Genomic Context for the Evolution and Transmission of Community-Associated <i>Staphylococcus aureus</i> ST59 Through the Food Chain. <i>Frontiers in Microbiology</i> , 2020, 11, 422.	1.5	21
85	Presence and Characterization of a Novel <i>cfr</i> -Carrying Tn558 Transposon Derivative in <i>Staphylococcus delphini</i> Isolated From Retail Food. <i>Frontiers in Microbiology</i> , 2020, 11, 598990.	1.5	3
86	Multiplex PCR for the Identification of Pathogenic <i>Listeria</i> in <i>Flammulina velutipes</i> Plant Based on Novel Specific Targets Revealed by Pan-Genome Analysis. <i>Frontiers in Microbiology</i> , 2020, 11, 634255.	1.5	9
87	Isolation and Characterization of Non-O157 Shiga Toxin-Producing <i>Escherichia coli</i> in Foods Sold at Retail Markets in China. <i>Journal of Food Protection</i> , 2020, 83, 460-466.	0.8	1
88	First detection of the plasmid-mediated colistin resistance gene <i>mcr-1</i> in virulent <i>Vibrio parahaemolyticus</i> . <i>International Journal of Food Microbiology</i> , 2019, 308, 108290.	2.1	28
89	Composition and Dynamics of Bacterial Communities in a Full-Scale Mineral Water Treatment Plant. <i>Frontiers in Microbiology</i> , 2019, 10, 1542.	1.5	2
90	<i>Cronobacter sakazakii</i> , <i>Cronobacter malonicus</i> , and <i>Cronobacter dublinensis</i> Genotyping Based on CRISPR Locus Diversity. <i>Frontiers in Microbiology</i> , 2019, 10, 1989.	1.5	10

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91	Phenotypic and genotypic characterization of PVL-positive <i>Staphylococcus aureus</i> isolated from retail foods in China. <i>International Journal of Food Microbiology</i> , 2019, 304, 119-126.	2.1	26
92	High-throughput sequencing analysis of bacterial community composition and quality characteristics in refrigerated pork during storage. <i>Food Microbiology</i> , 2019, 83, 86-94.	2.1	87
93	Genome sequencing and characterization of three <i>Bacillus cereus</i> -specific phages, DK1, DK2, and DK3. <i>Archives of Virology</i> , 2019, 164, 1927-1929.	0.9	8
94	Complete genome analysis of a novel phage GW1 lysing <i>Cronobacter</i> . <i>Archives of Virology</i> , 2019, 164, 625-628.	0.9	10
95	Identification of the Potential Biological Preservative Tetramycin A-Producing Strain and Enhancing Its Production. <i>Frontiers in Microbiology</i> , 2019, 10, 2925.	1.5	6
96	A Study on Prevalence and Characterization of <i>Bacillus cereus</i> in Ready-to-Eat Foods in China. <i>Frontiers in Microbiology</i> , 2019, 10, 3043.	1.5	84
97	Spatiotemporal changes in bacterial community and microbial activity in a full-scale drinking water treatment plant. <i>Science of the Total Environment</i> , 2018, 625, 449-459.	3.9	79
98	Community Structure Analysis and Biodegradation Potential of Aniline-Degrading Bacteria in Biofilters. <i>Current Microbiology</i> , 2018, 75, 918-924.	1.0	33
99	Reconstituting the History of <i>Cronobacter</i> Evolution Driven by Differentiated CRISPR Activity. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	20
100	Isolation and Transcriptome Analysis of Phenol-Degrading Bacterium From Carbonâ€™Sand Filters in a Full-Scale Drinking Water Treatment Plant. <i>Frontiers in Microbiology</i> , 2018, 9, 2162.	1.5	15
101	Prevalence and Molecular and Antimicrobial Characteristics of <i>Cronobacter</i> spp. Isolated From Raw Vegetables in China. <i>Frontiers in Microbiology</i> , 2018, 9, 1149.	1.5	49
102	Community Analysis and Recovery of Phenol-degrading Bacteria from Drinking Water Biofilters. <i>Frontiers in Microbiology</i> , 2016, 7, 495.	1.5	26
103	Classification and fatty acid composition analysis of <i>Cronobacter</i> spp. isolated from powdered infant formula in China. <i>Food Science and Biotechnology</i> , 2016, 25, 1109-1113.	1.2	5
104	Occurrence and Characterization of <i>Cronobacter</i> spp. in Powdered Formula from Chinese Retail Markets. <i>Foodborne Pathogens and Disease</i> , 2014, 11, 307-312.	0.8	31
105	Sequencing of the <i>grxB</i> Gene of <i>Cronobacter</i> spp. and the Development of a PCR Assay for Its Identification. <i>Foodborne Pathogens and Disease</i> , 2013, 10, 711-717.	0.8	9
106	Detection of <i>Pseudomonas aeruginosa</i> Serogroup G Using Real-Time PCR for Novel Target Genes Identified Through Comparative Genomics. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0