

Jumei Zhang

List of Publications by Year in descending order

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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	An ultrasensitive CRISPR/Cas12a based electrochemical biosensor for <i>Listeria monocytogenes</i> detection. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113073.	5.3	151
2	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
3	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
4	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
5	Abundant and Diverse RNA Viruses in Insects Revealed by RNA-Seq Analysis: Ecological and Evolutionary Implications. <i>MSystems</i> , 2020, 5, .	1.7	66
6	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
7	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
8	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
9	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
10	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
11	Prevalence and characterization of <i>Salmonella</i> isolated from raw vegetables in China. <i>Food Control</i> , 2020, 109, 106915.	2.8	41
12	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
13	Isolation and Characterization of a Novel <i>Salmonella</i> Phage vB_SaLP_TR2. <i>Frontiers in Microbiology</i> , 2021, 12, 664810.	1.5	35
14	Community Structure Analysis and Biodegradation Potential of Aniline-Degrading Bacteria in Biofilters. <i>Current Microbiology</i> , 2018, 75, 918-924.	1.0	33
15	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
16	Occurrence and Characterization of Fungi and Mycotoxins in Contaminated Medicinal Herbs. <i>Toxins</i> , 2020, 12, 30.	1.5	32
17	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
18	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

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19	Campylobacter jejuni Biofilm Formation Under Aerobic Conditions and Inhibition by ZnO Nanoparticles. <i>Frontiers in Microbiology</i> , 2020, 11, 207.	1.5	31
20	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
21	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
22	Community Analysis and Recovery of Phenol-degrading Bacteria from Drinking Water Biofilters. <i>Frontiers in Microbiology</i> , 2016, 7, 495.	1.5	26
23	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
24	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
25	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
26	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
27	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
28	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
29	Reconstituting the History of <i>Cronobacter</i> Evolution Driven by Differentiated CRISPR Activity. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	20
30	<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
31	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
32	Integrated Multi-Omics for Novel Aging Biomarkers and Antiaging Targets. <i>Biomolecules</i> , 2022, 12, 39.	1.8	20
33	<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
34	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
35	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
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	A Salmonella 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
38	Isolation and characterization of a novel Escherichia coli Kayfunavirus phage DY1. <i>Virus Research</i> , 2021, 293, 198274.	1.1	16
39	Evaluation of the Cholesterol-Lowering Mechanism of Enterococcus faecium Strain 132 and Lactobacillus paracasei Strain 201 in Hypercholesterolemia Rats. <i>Nutrients</i> , 2021, 13, 1982.	1.7	16
40	Isolation and Transcriptome Analysis of Phenol-Degrading Bacterium From Carbon-Sand Filters in a Full-Scale Drinking Water Treatment Plant. <i>Frontiers in Microbiology</i> , 2018, 9, 2162.	1.5	15
41	Isolation and Characterization of Bacillus cereus Phage vB_BceP-DLc1 Reveals the Largest Member of the λ 29-Like Phages. <i>Microorganisms</i> , 2020, 8, 1750.	1.6	15
42	Role of fliC on biofilm formation, adhesion, and cell motility in Cronobacter malonaticus and regulation of luxS. <i>Food and Chemical Toxicology</i> , 2021, 149, 111940.	1.8	15
43	High prevalence of multidrug-resistant Escherichia coli and first detection of IncHI2/IncX4-plasmid carrying mcr-1 E. coli in retail ready-to-eat foods in China. <i>International Journal of Food Microbiology</i> , 2021, 355, 109349.	2.1	15
44	Characterization and genome analysis of a novel Vibrio parahaemolyticus phage vB_VpP_DE17. <i>Virus Research</i> , 2022, 307, 198580.	1.1	15
45	Novel phage vB_CtuP_B1 for controlling Cronobacter malonaticus and Cronobacter turicensis in ready-to-eat lettuce and powered infant formula. <i>Food Research International</i> , 2021, 143, 110255.	2.9	14
46	A novel Bacillus cereus bacteriophage DLn1 and its endolysin as biocontrol agents against Bacillus cereus in milk. <i>International Journal of Food Microbiology</i> , 2022, 369, 109615.	2.1	14
47	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
48	First report of the oprA-carrying multidrug resistance genomic island in Campylobacter jejuni isolated from pigeon meat. <i>International Journal of Food Microbiology</i> , 2021, 354, 109320.	2.1	12
49	Presence and characterization of methicillin-resistant Staphylococcus aureus co-carrying the multidrug resistance genes cfr and lsa(E) in retail food in China. <i>International Journal of Food Microbiology</i> , 2022, 363, 109512.	2.1	12
50	Characterization of the Novel Phage vB_VpaP_FE11 and Its Potential Role in Controlling Vibrio parahaemolyticus Biofilms. <i>Viruses</i> , 2022, 14, 264.	1.5	12
51	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
52	PCR and multiplex PCR assays for the detection of Cronobacter species using specific targets obtained by a bioinformatics approach. <i>Food Control</i> , 2021, 125, 107896.	2.8	11
53	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
54	Cronobacter sakazakii, Cronobacter malonaticus, and Cronobacter dublinensis Genotyping Based on CRISPR Locus Diversity. <i>Frontiers in Microbiology</i> , 2019, 10, 1989.	1.5	10

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55	Complete genome analysis of a novel phage GW1 lysing Cronobacter. Archives of Virology, 2019, 164, 625-628.	0.9	10
56	Selective Isolation of Bifidobacterium From Human Faeces Using Pangenomics, Metagenomics, and Enzymology. Frontiers in Microbiology, 2021, 12, 649698.	1.5	10
57	Development of a high resolution melting method based on a novel molecular target for discrimination between Bacillus cereus and Bacillus thuringiensis. Food Research International, 2022, 151, 110845.	2.9	10
58	Sequencing of the grxB Gene of Cronobacter spp. and the Development of a PCR Assay for Its Identification. Foodborne Pathogens and Disease, 2013, 10, 711-717.	0.8	9
59	Multiplex PCR for the Identification of Pathogenic Listeria in Flammulina velutipes Plant Based on Novel Specific Targets Revealed by Pan-Genome Analysis. Frontiers in Microbiology, 2020, 11, 634255.	1.5	9
60	Pediococcus pentosaceus IM96 Exerts Protective Effects against Enterohemorrhagic Escherichia coli O157:H7 Infection In Vivo. Foods, 2021, 10, 2945.	1.9	9
61	Exploration of the Molecular Mechanisms Underlying the Anti-Photoaging Effect of Limosilactobacillus fermentum XJC60. Frontiers in Cellular and Infection Microbiology, 2022, 12, 838060.	1.8	9
62	Genome sequencing and characterization of three Bacillus cereus-specific phages, DK1, DK2, and DK3. Archives of Virology, 2019, 164, 1927-1929.	0.9	8
63	A database for risk assessment and comparative genomic analysis of foodborne Vibrio parahaemolyticus in China. Scientific Data, 2020, 7, 321.	2.4	8
64	Mining of novel target genes through pan-genome analysis for multiplex PCR differentiation of the major Listeria monocytogenes serotypes. International Journal of Food Microbiology, 2021, 339, 109026.	2.1	8
65	Identification of Novel Sensitive and Reliable Serovar-Specific Targets for PCR Detection of Salmonella Serovars Hadar and Albany by Pan-Genome Analysis. Frontiers in Microbiology, 2021, 12, 605984.	1.5	8
66	A microfluidic genoserotyping strategy for fast and objective identification of common Salmonella serotypes isolated from retail food samples in China. Analytica Chimica Acta, 2022, 1201, 339657.	2.6	8
67	Microbial Communities and Physiochemical Properties of Four Distinctive Traditionally Fermented Vegetables from North China and Their Influence on Quality and Safety. Foods, 2022, 11, 21.	1.9	8
68	PCR identification of Salmonella serovars for the E serogroup based on novel specific targets obtained by pan-genome analysis. LWT - Food Science and Technology, 2021, 145, 110535.	2.5	7
69	Whole <i>Agrocybe cylindracea</i> Prevented Obesity Linking with Modification of Gut Microbiota and Associated Fecal Metabolites in High-Fat Diet-Fed Mice. Molecular Nutrition and Food Research, 2022, 66, e2100897.	1.5	7
70	Exploration of the molecular mechanisms underlying the antibiotic resistance of <i>Helicobacter pylori</i> : A whole-genome sequencing-based study in Southern China. Helicobacter, 2022, 27, e12879.	1.6	7
71	Characterization of class 1 integrons harboring bla _{VEB-1} in Vibrio parahaemolyticus isolated from ready-to-eat foods in China. International Journal of Food Microbiology, 2020, 318, 108473.	2.1	6
72	Identification of the Potential Biological Preservative Tetramycin A-Producing Strain and Enhancing Its Production. Frontiers in Microbiology, 2019, 10, 2925.	1.5	6

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73	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
74	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
75	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
76	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
77	Controlled PAH-mediated method with enhanced optical properties for simple, stable immunochromatographic assays. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114150.	5.3	6
78	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
79	Mining and evaluating novel serovar-specific <i>Salmonella</i> C1 serogroup genes by polymerase chain reaction analysis. <i>LWT - Food Science and Technology</i> , 2021, 141, 110821.	2.5	5
80	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
81	Protein hydrolysates from <i>Pleurotus geesteranus</i> obtained by simulated gastrointestinal digestion exhibit neuroprotective effects in H ₂ O ₂ -injured PC12 cells. <i>Journal of Food Biochemistry</i> , 2022, 46, e13879.	1.2	5
82	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
83	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
84	A Novel Gene vp0610 Negatively Regulates Biofilm Formation in <i>Vibrio parahaemolyticus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 656380.	1.5	4
85	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
86	Evolutionary Divergence of the Novel Staphylococcal Species <i>Staphylococcus argenteus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 769642.	1.5	4
87	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
88	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
89	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
90	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

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91	Presence and Characterization of a Novel cfr-Carrying Tn558 Transposon Derivative in <i>Staphylococcus delphini</i> Isolated From Retail Food. <i>Frontiers in Microbiology</i> , 2020, 11, 598990.	1.5	3
92	Antigenic Diversity of Human Norovirus Capsid Proteins Based on the Cross-Reactivities of Their Antisera. <i>Pathogens</i> , 2021, 10, 986.	1.2	3
93	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
94	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
95	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
96	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
97	Highly efficient removal of Sb(V) from water by franklinite-containing nano-FeZn composites. <i>Scientific Reports</i> , 2021, 11, 17113.	1.6	2
98	Recent Advances in Glycosidase Probes Used in <i>Escherichia Coli</i> Detection. <i>Current Medicinal Chemistry</i> , 2021, 28, 5386-5410.	1.2	2
99	Receptor profile and immunogenicity of the non-epidemic norovirus GII.8 variant. <i>Virus Research</i> , 2021, 306, 198603.	1.1	2
100	<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
101	Pseudotargeted Metabolomic Fingerprinting and Deep Learning for Identification and Visualization of Common Pathogens. <i>Frontiers in Microbiology</i> , 2022, 13, 830832.	1.5	2
102	Evolutionary Mechanism of Immunological Cross-Reactivity Between Different GII.17 Variants. <i>Frontiers in Microbiology</i> , 2021, 12, 653719.	1.5	1
103	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
104	Imbalanced Dermic Microbiome Aggravates Inflammation in Toenail Paronychia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 781927.	1.8	1
105	Molecular Characterization of Rifampicin-Resistant <i>Staphylococcus aureus</i> Isolates from Retail Foods in China. <i>Antibiotics</i> , 2021, 10, 1487.	1.5	1
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