

Zhenbo Xu

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.

100
papers

2,957
citations

33
h-index

51
g-index

109
ext. papers

3,508
ext. citations

4.2
avg, IF

5.32
L-index

#	Paper	IF	Citations
100	A novel procedure in combination of genomic sequencing, flow cytometry and routine culturing for confirmation of beer spoilage caused by <i>Pediococcus damnosus</i> in viable but nonculturable state. <i>LWT - Food Science and Technology</i> , 2022 , 154, 112623	5.4	0
99	Establishment and application of a rapid visual detection method for based on polymerase spiral reaction (PSR).. <i>Bioengineered</i> , 2022 , 13, 7860-7867	5.7	0
98	A strategy design based on antibiotic-resistance and plasmid replicons genes of clinical <i>Escherichia coli</i> strains.. <i>Bioengineered</i> , 2022 , 13, 7500-7514	5.7	
97	Biofilm Formation of Food-Borne Pathogens 2022 , 461-497		
96	Verification and application of a modified carbapenem inactivation method (mCIM) on : a potential screening methodology on carbapenemases phenotype in .. <i>Bioengineered</i> , 2022 , 13, 12088-12098	5.7	0
95	Regulatory network controls microbial biofilm development, with as a representative: from adhesion to dispersal. <i>Bioengineered</i> , 2021 ,	5.7	1
94	Understanding of food biofilms by the application of omics techniques. <i>Future Microbiology</i> , 2021 , 16, 257-269	2.9	0
93	Polymicrobial interaction between and : coexistence-relevant mechanisms. <i>Critical Reviews in Microbiology</i> , 2021 , 47, 386-396	7.8	7
92	Emergence of Clinical Isolate Guangzhou-PaeC79 Carrying , , and in Guangzhou of China. <i>Microbial Drug Resistance</i> , 2021 , 27, 965-970	2.9	5
91	Adaptive behaviors of planktonic <i>Pseudomonas aeruginosa</i> in response to the surface-deposited dead siblings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 197, 111408	6	1
90	Lithium Hydroxide Hydrolysis Combined with MALDI TOF Mass Spectrometry for Rapid Sphingolipid Detection. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 289-300	3.5	5
89	Four Novel Types of Gene Cassettes from Carbapenem-Resistant in Southern China-First Report of. <i>Microbial Drug Resistance</i> , 2021 , 27, 1011-1012	2.9	0
88	Emerging resistance mechanisms for 4 types of common anti-MRSA antibiotics in <i>Staphylococcus aureus</i> : A comprehensive review. <i>Microbial Pathogenesis</i> , 2021 , 156, 104915	3.8	12
87	A variant ECE1 allele contributes to reduced pathogenicity of <i>Candida albicans</i> during vulvovaginal candidiasis. <i>PLoS Pathogens</i> , 2021 , 17, e1009884	7.6	6
86	Impact of <i>pmrA</i> on <i>Cronobacter sakazakii</i> planktonic and biofilm cells: A comprehensive transcriptomic study. <i>Food Microbiology</i> , 2021 , 98, 103785	6	2
85	Significant downtrend of antimicrobial resistance rate and rare β -lactamase genes and plasmid replicons carriage in clinical <i>Pseudomonas aeruginosa</i> in Southern China. <i>Microbial Pathogenesis</i> , 2021 , 159, 105124	3.8	0
84	Intense pulsed light for inactivation of foodborne gram-positive bacteria in planktonic cultures and bacterial biofilms. <i>LWT - Food Science and Technology</i> , 2021 , 152, 112374	5.4	2

83 Food pathogens **2021**, 295-321

82 Resistome and virulome study on pathogenic *Streptococcus agalactiae* Guangzhou-SAG036. *Microbial Pathogenesis*, **2020**, 147, 104258 3.8 0

81 Chromosome and Plasmid Features of Two ST37 Strains Isolated in China Reveal Distinct Multidrug Resistance and Virulence Determinants. *Microbial Drug Resistance*, **2020**, 26, 1503-1508 2.9 2

80 Vulvovaginal Candidiasis: A Current Understanding and Burning Questions. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6, 5.6 67

79 Molecular epidemiology and evolution of *Haemophilus influenzae*. *Infection, Genetics and Evolution*, **2020**, 80, 104205 4.5 19

78 Spoilage Lactic Acid Bacteria in the Brewing Industry. *Journal of Microbiology and Biotechnology*, **2020**, 30, 955-961 3.3 10

77 Rapid Detection of Food-Borne *Escherichia coli* O157:H7 with Visual Inspection by Crossing Priming Amplification (CPA). *Food Analytical Methods*, **2020**, 13, 474-481 3.4 10

76 Antibiotic Susceptibility, Biofilm-Forming Ability, and Incidence of Class 1 Integron of spp., and Isolated from Various Foods in a School Canteen in China. *Foodborne Pathogens and Disease*, **2020**, 17, 269-275 3.8 4

75 Antimicrobial susceptibility and genetic features of a heterogeneous vancomycin intermediate-resistant *Staphylococcus aureus* strain. *Infection, Genetics and Evolution*, **2020**, 85, 104565 4.5

74 Genomic analysis of a hop-resistance *Lactobacillus brevis* strain responsible for food spoilage and capable of entering into the VBNC state. *Microbial Pathogenesis*, **2020**, 145, 104186 3.8 3

73 Inhibitory effects of two types of food additives on biofilm formation by foodborne pathogens. *MicrobiologyOpen*, **2019**, 8, e00853 3.4 18

72 Polymicrobial interaction and biofilms between *Staphylococcus aureus* and *Pseudomonas aeruginosa*: an underestimated concern in food safety. *Current Opinion in Food Science*, **2019**, 26, 57-64 9.8 25

71 Biofilm Formation of *Staphylococcus aureus* under Food Heat Processing Conditions: First Report on CML Production within Biofilm. *Scientific Reports*, **2019**, 9, 1312 4.9 30

70 Complete Sequence of a Novel Multidrug-Resistant *Pseudomonas putida* Strain Carrying Two Copies of qnrVC6. *Microbial Drug Resistance*, **2019**, 25, 1-7 2.9 6

69 Investigation of Formation of Bacterial Biofilm upon Dead Siblings. *Langmuir*, **2019**, 35, 7405-7413 4 9

68 Antioxidant Profile of 1-Monocaffeoyl Glycerol in Lipophobic/Lipophilic Media. *Journal of Food Science*, **2019**, 84, 2091-2100 3.4 0

67 Complete genomic analysis of multidrug-resistance *Pseudomonas aeruginosa* Guangzhou-Pae617, the host of megaplasmid pBM413. *Microbial Pathogenesis*, **2018**, 117, 265-269 3.8 8

66 Identification of the KPC plasmid pCT-KPC334: New insights on the evolutionary pathway of epidemic plasmids harboring *fosA3*-*bla* genes. *International Journal of Antimicrobial Agents*, **2018**, 52, 510-511 14.3 12

65	Effects of magnetic fields on the enzymatic synthesis of naringin palmitate.. <i>RSC Advances</i> , 2018 , 8, 13364-13369		
64	Microbial infection pattern, pathogenic features and resistance mechanism of carbapenem-resistant Gram negative bacilli during long-term hospitalization. <i>Microbial Pathogenesis</i> , 2018 , 117, 356-360	3.8	4
63	Physical relation and mechanism of ultrasonic bactericidal activity on pathogenic E. coli with WPI. <i>Microbial Pathogenesis</i> , 2018 , 117, 73-79	3.8	14
62	Correlation and in vitro mechanism of bactericidal activity on E. coli with whey protein isolate during ultrasonic treatment. <i>Microbial Pathogenesis</i> , 2018 , 115, 154-158	3.8	15
61	Effect of ultrasonic field on the enzyme activities and ion balance of potential pathogen <i>Saccharomyces cerevisiae</i> . <i>Microbial Pathogenesis</i> , 2018 , 119, 216-220	3.8	6
60	Complete Sequence of pCY-CTX, a Plasmid Carrying a Phage-Like Region and an ISEcp1-Mediated Tn2 Element from <i>Enterobacter cloacae</i> . <i>Microbial Drug Resistance</i> , 2018 , 24, 307-313	2.9	15
59	Complete sequence of pBM413, a novel multidrug resistance megaplasmid carrying qnrVC6 and bla from <i>Pseudomonas aeruginosa</i> . <i>International Journal of Antimicrobial Agents</i> , 2018 , 51, 145-150	14.3	32
58	Comparative genomic analyses of two novel qnrVC6 carrying multidrug-resistant <i>Pseudomonas</i> spp strains. <i>Microbial Pathogenesis</i> , 2018 , 123, 269-274	3.8	3
57	Detection of Foodborne Pathogens by Surface Enhanced Raman Spectroscopy. <i>Frontiers in Microbiology</i> , 2018 , 9, 1236	5.7	62
56	Discovery and control of culturable and viable but non-culturable cells of a distinctive <i>Lactobacillus harbinensis</i> strain from spoiled beer. <i>Scientific Reports</i> , 2018 , 8, 11446	4.9	26
55	Study the Features of 57 Confirmed CRISPR Loci in 38 Strains of. <i>Frontiers in Microbiology</i> , 2018 , 9, 1591	5.7	28
54	Phenotypic characterization of pathogenic <i>Cronobacter</i> spp. strains. <i>Microbial Pathogenesis</i> , 2018 , 121, 232-237	3.8	12
53	Microbial virulence, molecular epidemiology and pathogenic factors of fluoroquinolone-resistant <i>Haemophilus influenzae</i> infections in Guangzhou, China. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2018 , 17, 41	6.2	8
52	Transcriptomics Study on Biofilm Under Low Concentration of Ampicillin. <i>Frontiers in Microbiology</i> , 2018 , 9, 2413	5.7	29
51	The fingerprint mapping and genotyping systems application on methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2018 , 125, 246-251	3.8	13
50	Induction and Recovery of the Viable but Nonculturable State of Hop-Resistance. <i>Frontiers in Microbiology</i> , 2018 , 9, 2076	5.7	27
49	Whole-genome resequencing of <i>Bacillus cereus</i> and expression of genes functioning in sodium chloride stress. <i>Microbial Pathogenesis</i> , 2017 , 104, 248-253	3.8	23
48	Current methodologies on genotyping for nosocomial pathogen methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Microbial Pathogenesis</i> , 2017 , 107, 17-28	3.8	55

47	Evaluation and application of molecular genotyping on nosocomial pathogen-methicillin-resistant <i>Staphylococcus aureus</i> isolates in Guangzhou representative of Southern China. <i>Microbial Pathogenesis</i> , 2017 , 107, 397-403	3.8	27
46	Longitudinal surveillance on antibiogram of important Gram-positive pathogens in Southern China, 2001 to 2015. <i>Microbial Pathogenesis</i> , 2017 , 103, 80-86	3.8	63
45	A 16-year retrospective surveillance report on the pathogenic features and antimicrobial susceptibility of <i>Pseudomonas aeruginosa</i> isolates from FAHJU in Guangzhou representative of Southern China. <i>Microbial Pathogenesis</i> , 2017 , 110, 37-41	3.8	34
44	Development of a propidium monoazide-polymerase chain reaction assay for detection of viable <i>Lactobacillus brevis</i> in beer. <i>Brazilian Journal of Microbiology</i> , 2017 , 48, 740-746	2.2	6
43	Analysis on pathogenic and virulent characteristics of the <i>Cronobacter sakazakii</i> strain BAA-894 by whole genome sequencing and its demonstration in basic biology science. <i>Microbial Pathogenesis</i> , 2017 , 109, 280-286	3.8	35
42	Clinical features and antimicrobial resistance profiles of important Enterobacteriaceae pathogens in Guangzhou representative of Southern China, 2001-2015. <i>Microbial Pathogenesis</i> , 2017 , 107, 206-211	3.8	48
41	First study on the formation and resuscitation of viable but nonculturable state and beer spoilage capability of <i>Lactobacillus lindneri</i> . <i>Microbial Pathogenesis</i> , 2017 , 107, 219-224	3.8	44
40	Formation and development of <i>Staphylococcus</i> biofilm: With focus on food safety. <i>Journal of Food Safety</i> , 2017 , 37, e12358	2	60
39	Effect of polymyxin resistance (pmr) on biofilm formation of <i>Cronobacter sakazakii</i> . <i>Microbial Pathogenesis</i> , 2017 , 106, 16-19	3.8	45
38	Effect of ultrasound treatment conditions on <i>Saccharomyces cerevisiae</i> by response surface methodology. <i>Microbial Pathogenesis</i> , 2017 , 111, 497-502	3.8	24
37	Effect of aminoglycosides on the pathogenic characteristics of microbiology. <i>Microbial Pathogenesis</i> , 2017 , 113, 357-364	3.8	20
36	Study on spoilage capability and VBNC state formation and recovery of <i>Lactobacillus plantarum</i> . <i>Microbial Pathogenesis</i> , 2017 , 110, 257-261	3.8	36
35	The viable but nonculturable state induction and genomic analyses of <i>Lactobacillus casei</i> BM-LC14617, a beer-spoilage bacterium. <i>MicrobiologyOpen</i> , 2017 , 6, e00506	3.4	27
34	Virulent and pathogenic features on the <i>Cronobacter sakazakii</i> polymyxin resistant pmr mutant strain s-3. <i>Microbial Pathogenesis</i> , 2017 , 110, 359-364	3.8	29
33	Pathogenic features and characteristics of food borne pathogens biofilm: Biomass, viability and matrix. <i>Microbial Pathogenesis</i> , 2017 , 111, 285-291	3.8	25
32	Viable but non-culturable state and toxin gene expression of enterohemorrhagic <i>Escherichia coli</i> O157 under cryopreservation. <i>Research in Microbiology</i> , 2017 , 168, 188-193	4	81
31	Complete genome sequence and bioinformatics analyses of <i>Bacillus thuringiensis</i> strain BM-BT15426. <i>Microbial Pathogenesis</i> , 2017 , 108, 55-60	3.8	17
30	Chromogenic media for MRSA diagnostics. <i>Molecular Biology Reports</i> , 2016 , 43, 1205-1212	2.8	44

29	Staphylococcal chromosomal cassettes mec (SCCmec): A mobile genetic element in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2016 , 101, 56-67	3.8	145
28	Transcriptomic analysis on the formation of the viable putative non-culturable state of beer-spoilage <i>Lactobacillus acetotolerans</i> . <i>Scientific Reports</i> , 2016 , 6, 36753	4.9	54
27	Crystal Violet and XTT Assays on <i>Staphylococcus aureus</i> Biofilm Quantification. <i>Current Microbiology</i> , 2016 , 73, 474-82	2.4	112
26	Sheaolein-based cold-soluble powder fats with medium- and long-chain triacylglycerol: production via chemical interesterification using sheaolein and palm kernel stearin. <i>RSC Advances</i> , 2016 , 6, 18632-18640	3.7	4
25	Detection of culturable and viable but non-culturable cells of beer spoilage lactic acid bacteria by combined use of propidium monoazide and horA-specific polymerase chain reaction. <i>Journal of the Institute of Brewing</i> , 2016 , 122, 29-33	2	8
24	First report of novel genetic array aacA4-blaIMP-25-oxa30-catB3 and identification of novel metallo- β -lactamase gene blaIMP25: A Retrospective Study of antibiotic resistance surveillance on <i>Pseudomonas aeruginosa</i> in Guangzhou of South China, 2003-2007. <i>Microbial Pathogenesis</i> , 2016 , 87, 42-47	3.8	43
23	Co-surfactant free microemulsions: Preparation, characterization and stability evaluation for food application. <i>Food Chemistry</i> , 2016 , 204, 194-200	8.5	34
22	Staphylococcal Food Poisoning and Novel Perspectives in Food Safety 2016 ,		2
21	Determination of Free-Form and Peptide Bound Pyrroline in the Commercial Drinks Enriched with Different Protein Hydrolysates. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	9
20	Formation of Peptide Bound Pyrroline in the Maillard Model Systems with Different Lys-Containing Dipeptides and Tripeptides. <i>Molecules</i> , 2016 , 21, 463	4.8	10
19	Formation and elimination of pyrroline in the Maillard reaction in a saccharide-lysine model system. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 2555-64	4.3	17
18	Draft genome sequence and annotation of <i>Lactobacillus acetotolerans</i> BM-LA14527, a beer-spoilage bacteria. <i>FEMS Microbiology Letters</i> , 2016 , 363,	2.9	39
17	Antimicrobial resistance investigation on <i>Staphylococcus</i> strains in a local hospital in Guangzhou, China, 2001-2010. <i>Microbial Drug Resistance</i> , 2015 , 21, 102-4	2.9	56
16	Reduction and restoration of culturability of beer-stressed and low-temperature-stressed <i>Lactobacillus acetotolerans</i> strain 2011-8. <i>International Journal of Food Microbiology</i> , 2015 , 206, 96-101	5.8	63
15	Solvent-free enzymatic synthesis of 1, 3-diacylglycerols by direct esterification of glycerol with saturated fatty acids. <i>Lipids in Health and Disease</i> , 2013 , 12, 65	4.4	42
14	Development and application of a simple loop-mediated isothermal amplification method on rapid detection of <i>Listeria monocytogenes</i> strains. <i>Molecular Biology Reports</i> , 2012 , 39, 445-9	2.8	92
13	Development and application of loop-mediated isothermal amplification assays on rapid detection of various types of staphylococci strains. <i>Food Research International</i> , 2012 , 47, 166-173	7	95
12	Expression and purification of gp41-gp36 fusion protein and application in serological screening assay of HIV-1 and HIV-2. <i>African Journal of Microbiology Research</i> , 2012 , 6,	0.5	20

11	Development and evaluation of reverse-transcription loop-mediated isothermal amplification for rapid detection of human immunodeficiency virus type 1. <i>Indian Journal of Medical Microbiology</i> , 2012 , 30, 391-6	1.3	3
10	Class 1 integron in staphylococci. <i>Molecular Biology Reports</i> , 2011 , 38, 5261-79	2.8	87
9	Development and application of a loop-mediated isothermal amplification method on rapid detection of <i>Pseudomonas aeruginosa</i> strains. <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 181-184	4.4	69
8	Low-Temperature Chemical Glycerolysis: An Evaluation of Substrates Miscibility on Reaction Rate. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2011 , 88, 1077-1079	1.8	3
7	First report of class 2 integron in clinical <i>Enterococcus faecalis</i> and class 1 integron in <i>Enterococcus faecium</i> in South China. <i>Diagnostic Microbiology and Infectious Disease</i> , 2010 , 68, 315-7	2.9	79
6	Rapid detection of <i>Vibrio parahaemolyticus</i> strains and virulent factors by loop-mediated isothermal amplification assays. <i>Food Science and Biotechnology</i> , 2010 , 19, 1191-1197	3	62
5	Development and application of a rapid and simple loop-mediated isothermal amplification method for food-borne <i>Salmonella</i> detection. <i>Food Science and Biotechnology</i> , 2010 , 19, 1655-1659	3	68
4	Development and application of a loop-mediated isothermal amplification method on rapid detection <i>Escherichia coli</i> O157 strains from food samples. <i>Molecular Biology Reports</i> , 2010 , 37, 2183-8	2.8	137
3	Occurrence and characteristics of class 1 and 2 integrons in <i>Pseudomonas aeruginosa</i> isolates from patients in southern China. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 230-4	9.7	115
2	First confirmation of integron-bearing methicillin-resistant <i>Staphylococcus aureus</i> . <i>Current Microbiology</i> , 2008 , 57, 264-8	2.4	85
1	Integron-bearing methicillin-resistant coagulase-negative staphylococci in South China, 2001-2004. <i>FEMS Microbiology Letters</i> , 2008 , 278, 223-30	2.9	89