

Zhenbo Xu

List of Publications by Year in descending order

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105
papers

4,038
citations

87723

38
h-index

128067

60
g-index

109
all docs

109
docs citations

109
times ranked

2784
citing authors

#	ARTICLE	IF	CITATIONS
1	Staphylococcal chromosomal cassettes mec (SCCmec): A mobile genetic element in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2016, 101, 56-67.	1.3	197
2	Crystal Violet and XTT Assays on <i>Staphylococcus aureus</i> Biofilm Quantification. <i>Current Microbiology</i> , 2016, 73, 474-482.	1.0	188
3	Vulvovaginal Candidiasis: A Current Understanding and Burning Questions. <i>Journal of Fungi (Basel)</i> , 2017, 15, 156-157.	1.5	156
4	Development and application of a loop-mediated isothermal amplification method on rapid detection of <i>Escherichia coli</i> O157 strains from food samples. <i>Molecular Biology Reports</i> , 2010, 37, 2183-2188.	1.0	149
5	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, 230-234.	1.8	132
6	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.	2.9	129
7	Class 1 integron in staphylococci. <i>Molecular Biology Reports</i> , 2011, 38, 5261-5279.	1.0	111
8	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.	1.0	110
9	Integron-bearing methicillin-resistant coagulase-negative staphylococci in South China, 2001-2004. <i>FEMS Microbiology Letters</i> , 2008, 278, 223-230.	0.7	108
10	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, 445-449.	1.0	104
11	First Confirmation of Integron-Bearing Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Current Microbiology</i> , 2008, 57, 264-268.	1.0	95
12	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, 315-317.	0.8	95
13	Detection of Foodborne Pathogens by Surface Enhanced Raman Spectroscopy. <i>Frontiers in Microbiology</i> , 2018, 9, 1236.	1.5	94
14	Formation and development of <i>Staphylococcus</i> biofilm: With focus on food safety. <i>Journal of Food Safety</i> , 2017, 37, e12358.	1.1	82
15	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.	1.7	76
16	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.	1.2	75
17	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.	1.6	74
18	Longitudinal surveillance on antibiogram of important Gram-positive pathogens in Southern China, 2001 to 2015. <i>Microbial Pathogenesis</i> , 2017, 103, 80-86.	1.3	73

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19	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.	2.1	71
20	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.	1.2	66
21	Antimicrobial Resistance Investigation on <i>Staphylococcus</i> Strains in a Local Hospital in Guangzhou, China, 2001–2010. <i>Microbial Drug Resistance</i> , 2015, 21, 102-104.	0.9	65
22	Current methodologies on genotyping for nosocomial pathogen methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Microbial Pathogenesis</i> , 2017, 107, 17-28.	1.3	64
23	Polymicrobial interaction and biofilms between <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> : an underestimated concern in food safety. <i>Current Opinion in Food Science</i> , 2019, 26, 57-64.	4.1	60
24	Biofilm Formation of <i>Staphylococcus aureus</i> under Food Heat Processing Conditions: First Report on CML Production within Biofilm. <i>Scientific Reports</i> , 2019, 9, 1312.	1.6	57
25	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.	1.3	56
26	Effect of polymyxin resistance (pmr) on biofilm formation of <i>Cronobacter sakazakii</i> . <i>Microbial Pathogenesis</i> , 2017, 106, 16-19.	1.3	55
27	Complete sequence of pBM413, a novel multidrug resistance megaplasmid carrying qnrVC6 and bla IMP-45 from <i>pseudomonas aeruginosa</i> . <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 145-150.	1.1	55
28	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.	1.3	54
29	Chromogenic media for MRSA diagnostics. <i>Molecular Biology Reports</i> , 2016, 43, 1205-1212.	1.0	53
30	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.	1.3	52
31	Transcriptomics Study on <i>Staphylococcus aureus</i> Biofilm Under Low Concentration of Ampicillin. <i>Frontiers in Microbiology</i> , 2018, 9, 2413.	1.5	51
32	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.	1.2	50
33	Co-surfactant free microemulsions: Preparation, characterization and stability evaluation for food application. <i>Food Chemistry</i> , 2016, 204, 194-200.	4.2	48
34	Study on spoilage capability and VBNC state formation and recovery of <i>Lactobacillus plantarum</i> . <i>Microbial Pathogenesis</i> , 2017, 110, 257-261.	1.3	48
35	First report of novel genetic array aacA4 - bla IMP-25 - oxa30 - catB3 and identification of novel metallo- β -lactamase gene bla IMP25 : A Retrospective Study of antibiotic resistance surveillance on <i>Pseudomonas aeruginosa</i> in Guangzhou of South China, 2003–2007. <i>Microbial Pathogenesis</i> , 2016, 95, 62-67.	1.3	46
36	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.	1.3	46

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37	Draft genome sequence and annotation of <i>Lactobacillus acetotolerans</i> BM-LA14527, a beer-spoilage bacteria. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw201.	0.7	45
38	Molecular epidemiology and evolution of <i>Haemophilus influenzae</i> . <i>Infection, Genetics and Evolution</i> , 2020, 80, 104205.	1.0	43
39	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.	1.6	41
40	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.	1.3	40
41	Pathogenic features and characteristics of food borne pathogens biofilm: Biomass, viability and matrix. <i>Microbial Pathogenesis</i> , 2017, 111, 285-291.	1.3	38
42	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.	1.2	37
43	Induction and Recovery of the Viable but Nonculturable State of Hop-Resistance <i>Lactobacillus brevis</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2076.	1.5	37
44	Study the Features of 57 Confirmed CRISPR Loci in 38 Strains of <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1591.	1.5	36
45	A variant ECE1 allele contributes to reduced pathogenicity of <i>Candida albicans</i> during vulvovaginal candidiasis. <i>PLoS Pathogens</i> , 2021, 17, e1009884.	2.1	35
46	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.	1.3	31
47	Effect of ultrasound treatment conditions on <i>Saccharomyces cerevisiae</i> by response surface methodology. <i>Microbial Pathogenesis</i> , 2017, 111, 497-502.	1.3	30
48	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.	1.3	29
49	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.	1.3	28
50	Inhibitory effects of two types of food additives on biofilm formation by foodborne pathogens. <i>MicrobiologyOpen</i> , 2019, 8, e00853.	1.2	25
51	Polymicrobial interaction between <i>Lactobacillus</i> and <i>Saccharomyces cerevisiae</i> : coexistence-relevant mechanisms. <i>Critical Reviews in Microbiology</i> , 2021, 47, 386-396.	2.7	24
52	Complete genome sequence and bioinformatics analyses of <i>Bacillus thuringiensis</i> strain BM-BT15426. <i>Microbial Pathogenesis</i> , 2017, 108, 55-60.	1.3	23
53	Formation and elimination of pyrrolidine in the Maillard reaction in a saccharide-lysine model system. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 2555-2564.	1.7	22
54	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, .	0.4	21

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55	Effect of aminoglycosides on the pathogenic characteristics of microbiology. <i>Microbial Pathogenesis</i> , 2017, 113, 357-364.	1.3	21
56	Investigation of Formation of Bacterial Biofilm upon Dead Siblings. <i>Langmuir</i> , 2019, 35, 7405-7413.	1.6	19
57	Spoilage Lactic Acid Bacteria in the Brewing Industry. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 955-961.	0.9	18
58	Physical relation and mechanism of ultrasonic bactericidal activity on pathogenic <i>E. coli</i> with WPI. <i>Microbial Pathogenesis</i> , 2018, 117, 73-79.	1.3	17
59	Correlation and in vitro mechanism of bactericidal activity on <i>E. coli</i> with whey protein isolate during ultrasonic treatment. <i>Microbial Pathogenesis</i> , 2018, 115, 154-158.	1.3	16
60	Complete Sequence of pCY-CTX, a Plasmid Carrying a Phage-Like Region and an ISEcp1-Mediated Tn2Element from <i>Enterobacter cloacae</i> . <i>Microbial Drug Resistance</i> , 2018, 24, 307-313.	0.9	16
61	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.	1.7	16
62	Rapid Detection of Food-Borne <i>Escherichia coli</i> O157:H7 with Visual Inspection by Crossing Priming Amplification (CPA). <i>Food Analytical Methods</i> , 2020, 13, 474-481.	1.3	16
63	Phenotypic characterization of pathogenic <i>Cronobacter</i> spp. strains. <i>Microbial Pathogenesis</i> , 2018, 121, 232-237.	1.3	15
64	Formation of Peptide Bound Pyrraline in the Maillard Model Systems with Different Lys-Containing Dipeptides and Tripeptides. <i>Molecules</i> , 2016, 21, 463.	1.7	14
65	The fingerprint mapping and genotyping systems application on methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2018, 125, 246-251.	1.3	14
66	Identification of the KPC plasmid pCT-KPC334: New insights on the evolutionary pathway of epidemic plasmids harboring <i>fosA3</i> - <i>bla</i> KPC-2 genes. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 510-511.	1.1	12
67	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.	2.5	12
68	Determination of Free-Form and Peptide Bound Pyrraline in the Commercial Drinks Enriched with Different Protein Hydrolysates. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1053.	1.8	10
69	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.	1.2	10
70	Emergence of Clinical <i>Pseudomonas aeruginosa</i> Isolate Guangzhou-PaeC79 Carrying <i>crpP</i> , <i>bla</i> _{GES-5} , and <i>bla</i> _{KPC-2} in Guangzhou of China. <i>Microbial Drug Resistance</i> , 2021, 27, 965-970.	0.9	10
71	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.	2.1	10
72	Detection of culturable and viable but non-culturable cells of beer spoilage lactic acid bacteria by combined use of propidium monoazide and <i>horA</i> -specific polymerase chain reaction. <i>Journal of the Institute of Brewing</i> , 2016, 122, 29-33.	0.8	9

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73	Complete genomic analysis of multidrug-resistance <i>Pseudomonas aeruginosa</i> Guangzhou-Pae617, the host of megaplasmid pBM413. <i>Microbial Pathogenesis</i> , 2018, 117, 265-269.	1.3	9
74	Complete Sequence of a Novel Multidrug-Resistant <i>Pseudomonas putida</i> Strain Carrying Two Copies of qnrVC6. <i>Microbial Drug Resistance</i> , 2019, 25, 1-7.	0.9	9
75	Antibiotic Susceptibility, Biofilm-Forming Ability, and Incidence of Class 1 Integron of <i>Salmonella</i> spp., <i>Escherichia coli</i> , and <i>Staphylococcus aureus</i> Isolated from Various Foods in a School Canteen in China. <i>Foodborne Pathogens and Disease</i> , 2020, 17, 269-275.	0.8	9
76	Regulatory network controls microbial biofilm development, with <i>Candida albicans</i> as a representative: from adhesion to dispersal. <i>Bioengineered</i> , 2022, 13, 253-267.	1.4	9
77	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.	2.5	8
78	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.	0.8	7
79	Effects of magnetic fields on the enzymatic synthesis of naringin palmitate. <i>RSC Advances</i> , 2018, 8, 13364-13369.	1.7	7
80	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.	1.3	7
81	Comparative genomic analyses of two novel qnrVC6 carrying multidrug-resistant <i>Pseudomonas</i> spp strains. <i>Microbial Pathogenesis</i> , 2018, 123, 269-274.	1.3	7
82	Genomic analysis of a hop-resistance <i>Lactobacillus brevis</i> strain responsible for food spoilage and capable of entering into the VBNC state. <i>Microbial Pathogenesis</i> , 2020, 145, 104186.	1.3	7
83	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.	2.5	7
84	Understanding of food biofilms by the application of omics techniques. <i>Future Microbiology</i> , 2021, 16, 257-269.	1.0	7
85	Molecular Epidemiology, Microbial Virulence, and Resistance of Carbapenem-Resistant <i>Enterobacterales</i> Isolates in a Teaching Hospital in Guangzhou, China. <i>Microbial Drug Resistance</i> , 2022, 28, 698-709.	0.9	7
86	Establishment and application of a rapid visual detection method for <i>Listeria monocytogenes</i> based on polymerase spiral reaction (PSR). <i>Bioengineered</i> , 2022, 13, 7860-7867.	1.4	6
87	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.	1.7	5
88	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.	1.3	5
89	Chromosome and Plasmid Features of Two ST37 <i>Clostridioides difficile</i> Strains Isolated in China Reveal Distinct Multidrug Resistance and Virulence Determinants. <i>Microbial Drug Resistance</i> , 2020, 26, 1503-1508.	0.9	5
90	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, 391-396.	0.3	4

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91	Occurrence of <i>Serratia marcescens</i> Carrying blaIMP-26 and mcr-9 in Southern China: New Insights in the Evolution of Megaplasmid IMP-26. <i>Antibiotics</i> , 2022, 11, 869.	1.5	4
92	Low-temperature Chemical Glycerolysis: An Evaluation of Substrates Miscibility on Reaction Rate. <i>JAOCs</i> , Journal of the American Oil Chemists' Society, 2011, 88, 1077-1079.	0.8	3
93	Staphylococcal Food Poisoning and Novel Perspectives in Food Safety. , 2016, , .		3
94	Antioxidant Profile of 1-monocaffeoyl Glycerol in Lipophobic/Lipophilic Media. <i>Journal of Food Science</i> , 2019, 84, 2091-2100.	1.5	3
95	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.	1.3	3
96	Resistome and virulome study on pathogenic <i>Streptococcus agalactiae</i> Guangzhou-SAG036. <i>Microbial Pathogenesis</i> , 2020, 147, 104258.	1.3	1
97	Editorial: The Prevalence of MDR Non-Fermenting Gram Negative Bacteria and Their Chemotherapy. <i>Frontiers in Microbiology</i> , 2021, 12, 664336.	1.5	1
98	Letter to the Editor: Four Novel Types of Gene Cassettes from Carbapenem-Resistant <i>Pseudomonas aeruginosa</i> in Southern China—First Report of qnrVC7. <i>Microbial Drug Resistance</i> , 2021, 27, 1011-1012.	0.9	1
99	Food pathogens. , 2021, , 295-321.		1
100	Studies on Salt Tolerance of <i>Bacillus</i> Isolated from the Industrial Soy Sauce Residue. , 2016, , .		1
101	Verification and application of a modified carbapenem inactivation method (mCIM) on <i>Pseudomonas aeruginosa</i> : a potential screening methodology on carbapenemases phenotype in <i>Bacillus cereus</i> . <i>Bioengineered</i> , 2022, 13, 12088-12098.	1.4	1
102	Antimicrobial susceptibility and genetic features of a heterogeneous vancomycin intermediate-resistant <i>Staphylococcus aureus</i> strain. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104565.	1.0	0
103	Editorial. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 927-928.	1.7	0
104	Editorial: Emerging Frontiers in the Formation of Viable but Non-culturable Microorganisms and Biofilms During Food Processing. <i>Frontiers in Microbiology</i> , 2021, 12, 726348.	1.5	0
105	A strategy design based on antibiotic-resistance and plasmid replicons genes of clinical <i>Escherichia coli</i> strains. <i>Bioengineered</i> , 2022, 13, 7499-7513.	1.4	0