

Zhengyuan Zhai

List of Publications by Year in descending order

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34
papers

761
citations

623734
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36
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docs citations

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926
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Lactobacillus plantarum</i> bacteriocin is associated with intestinal and systemic improvements in diet-induced obese mice and maintains epithelial barrier integrity <i>in vitro</i> . Gut Microbes, 2019, 10, 382-397.	9.8	90
2	Integrated Transcriptomic and Proteomic Analysis of the Bile Stress Response in a Centenarian-originated Probiotic <i>Bifidobacterium longum</i> BBMN68. Molecular and Cellular Proteomics, 2014, 13, 2558-2572.	3.8	76
3	Characterization and application of an anti- <i>Listeria</i> bacteriocin produced by <i>Pediococcus pentosaceus</i> 05-10 isolated from Sichuan Pickle, a traditionally fermented vegetable product from China. Food Control, 2009, 20, 1030-1035.	5.5	63
4	Proteomic characterization of the acid tolerance response in <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> CAUH1 and functional identification of a novel acid stress-related transcriptional regulator <i>Ldb0677</i> . Environmental Microbiology, 2014, 16, 1524-1537.	3.8	61
5	<i>Lactobacillus rhamnosus</i> GG Derived Extracellular Vesicles Modulate Gut Microbiota and Attenuate Inflammatory in DSS-Induced Colitis Mice. Nutrients, 2021, 13, 3319.	4.1	54
6	Identification of the bacterial biodiversity in koumiss by denaturing gradient gel electrophoresis and species-specific polymerase chain reaction. Journal of Dairy Science, 2010, 93, 1926-1933.	3.4	44
7	Functional role of <i>oppA</i> encoding an oligopeptide-binding protein from <i>Lactobacillus salivarius</i> Ren in bile tolerance. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 1167-1174.	3.0	43
8	Coexpression of the Superoxide Dismutase and the Catalase Provides Remarkable Oxidative Stress Resistance in <i>Lactobacillus rhamnosus</i> . Journal of Agricultural and Food Chemistry, 2011, 59, 3851-3856.	5.2	42
9	Global transcriptomic analysis of <i>Lactobacillus plantarum</i> CAUH2 in response to hydrogen peroxide stress. Food Microbiology, 2020, 87, 103389.	4.2	31
10	Global Transcriptomic Analysis and Function Identification of Malolactic Enzyme Pathway of <i>Lactobacillus paracasei</i> L9 in Response to Bile Stress. Frontiers in Microbiology, 2018, 9, 1978.	3.5	27
11	Characterization of a cryptic plasmid pM4 from <i>Lactobacillus plantarum</i> M4. FEMS Microbiology Letters, 2008, 285, 183-187.	1.8	20
12	Functional role of pyruvate kinase from <i>Lactobacillus bulgaricus</i> in acid tolerance and identification of its transcription factor by bacterial one-hybrid. Scientific Reports, 2015, 5, 17024.	3.3	20
13	Synergy between Probiotic <i>Lactobacillus casei</i> and Milk to Maintain Barrier Integrity of Intestinal Epithelial Cells. Journal of Agricultural and Food Chemistry, 2019, 67, 1955-1962.	5.2	20
14	Complete genome sequence of <i>Lactobacillus helveticus</i> CAUH18, a potential probiotic strain originated from koumiss. Journal of Biotechnology, 2016, 224, 18-19.	3.8	17
15	A novel vector for lactic acid bacteria that uses a bile salt hydrolase gene as a potential food-grade selection marker. Journal of Biotechnology, 2011, 152, 49-53.	3.8	14
16	Low-fat yogurt alleviates the pro-inflammatory cytokine IL-1 β -induced intestinal epithelial barrier dysfunction. Journal of Dairy Science, 2019, 102, 976-984.	3.4	14
17	Expression, purification and characterization of pectin methylesterase inhibitor from kiwi fruit in <i>Escherichia coli</i> . Protein Expression and Purification, 2008, 60, 221-224.	1.3	13
18	Characterization of a novel rolling-circle replication plasmid pYSI8 from <i>Lactobacillus sakei</i> YSI8. Plasmid, 2009, 62, 30-34.	1.4	13

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19	Characterization of a Rolling-Circle Replication Plasmid pM411 from <i>Lactobacillus plantarum</i> 163. <i>Current Microbiology</i> , 2016, 73, 820-826.	2.2	12
20	Characterization of a Rolling-Circle Replication Plasmid pLR1 from <i>Lactobacillus plantarum</i> LR1. <i>Current Microbiology</i> , 2009, 58, 106-110.	2.2	11
21	Characterization of a rolling-circle replication plasmid pXY3 from <i>Lactobacillus plantarum</i> XY3. <i>Plasmid</i> , 2010, 64, 36-40.	1.4	11
22	A Novel Major Pilin Subunit Protein FimM Is Involved in Adhesion of <i>Bifidobacterium longum</i> BBMN68 to Intestinal Epithelial Cells. <i>Frontiers in Microbiology</i> , 2020, 11, 590435.	3.5	10
23	Combined transcriptomic and proteomic analysis of the response to bile stress in a centenarian-originated probiotic <i>Lactobacillus salivarius</i> Ren. <i>Food Research International</i> , 2020, 137, 109331.	6.2	10
24	Complete genome sequencing of <i>Lactobacillus plantarum</i> CAUH2 reveals a novel plasmid pCAUH203 associated with oxidative stress tolerance. <i>3 Biotech</i> , 2019, 9, 116.	2.2	8
25	Functional analysis of the plasmid pM4 replicon from <i>Lactobacillus plantarum</i> M4: Determination of the minimal replicon and functionality identification of the putative sso. <i>Plasmid</i> , 2009, 62, 166-171.	1.4	6
26	The MarR Family Regulator BmrR Is Involved in Bile Tolerance of <i>Bifidobacterium longum</i> BBMN68 via Controlling the Expression of an ABC Transporter. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	6
27	The N-terminal domain of rhamnosyltransferase EpsF influences exopolysaccharide chain length determination in <i>Streptococcus thermophilus</i> 05-34. <i>PeerJ</i> , 2020, 8, e8524.	2.0	6
28	Characterization of a Cryptic Rolling-Circle Replication Plasmid pMK8 from <i>Enterococcus durans</i> 168. <i>Current Microbiology</i> , 2018, 75, 1198-1205.	2.2	5
29	Homologous Over-Expression of Chain Length Determination Protein EpsC Increases the Molecular Weight of Exopolysaccharide in <i>Streptococcus thermophilus</i> 05-34. <i>Frontiers in Microbiology</i> , 2021, 12, 696222.	3.5	4
30	Malic Acid Protects <i>Lactobacillus paracasei</i> L9 from Glycodeoxycholic Acid Stress via the Malolactic Enzyme Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 9007-9016.	5.2	4
31	Establishment and Evaluation of a Loop-Mediated Isothermal Amplification Assay for Rapid Detection of <i>Pseudomonas fluorescens</i> in Raw Milk. <i>Frontiers in Microbiology</i> , 2021, 12, 810511.	3.5	3
32	Transcriptome analysis revealed growth phase-associated changes of a centenarian-originated probiotic <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> A6. <i>BMC Microbiology</i> , 2022, 22, 61.	3.3	2
33	Expression, purification, and characterization of phospholipase B1 from <i>Candida albicans</i> in <i>Escherichia coli</i> . <i>3 Biotech</i> , 2020, 10, 538.	2.2	1
34	Characterization of the cryptic plasmid pWCZ from <i>Lactobacillus paracasei</i> WCZ isolated from silage. <i>Annals of Microbiology</i> , 2014, 64, 809-814.	2.6	0