

# Je-Ruei Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,541  
citations

182225

30  
h-index

223390

49  
g-index

61  
all docs

61  
docs citations

61  
times ranked

3919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Screening of Lactic Acid Bacterial Strains with Antiviral Activity Against Porcine Epidemic Diarrhea. Probiotics and Antimicrobial Proteins, 2022, 14, 546-559.	1.9	8
2	Effectiveness of Bacillus licheniformis-Fermented Products and Their Derived Antimicrobial Lipopeptides in Controlling Coccidiosis in Broilers. Animals, 2021, 11, 3576.	1.0	14
3	Isolation of a Leuconostoc mesenteroides Strain With Anti-Porcine Epidemic Diarrhea Virus Activities From Kefir Grains. Frontiers in Microbiology, 2020, 11, 1578.	1.5	9
4	Whole Genome Sequencing and Tn5-Insertion Mutagenesis of Pseudomonas taiwanensis CMS to Probe Its Antagonistic Activity Against Rice Bacterial Blight Disease. International Journal of Molecular Sciences, 2020, 21, 8639.	1.8	2
5	Effect of Lactobacillus rhamnosus GG on Energy Metabolism, Leptin Resistance, and Gut Microbiota in Mice with Diet-Induced Obesity. Nutrients, 2020, 12, 2557.	1.7	50
6	Oral administration with a traditional fermented multi-fruit beverage modulates non-specific and antigen-specific immune responses in BALB/c mice. PLoS ONE, 2020, 15, e0233047.	1.1	6
7	Construction of a Lactobacillus plantarum Strain Expressing the Capsid Protein of Porcine Circovirus Type 2d (PCV2d) as an Oral Vaccine. Indian Journal of Microbiology, 2019, 59, 490-499.	1.5	5
8	A combination of Lactobacillus mali APS1 and dieting improved the efficacy of obesity treatment via manipulating gut microbiome in mice. Scientific Reports, 2018, 8, 6153.	1.6	31
9	Probiotic characteristics and zearalenone-removal ability of a Bacillus licheniformis strain. PLoS ONE, 2018, 13, e0194866.	1.1	44
10	Protective and Detoxifying Effects Conferred by Dietary Selenium and Curcumin against AFB1-Mediated Toxicity in Livestock: A Review. Toxins, 2018, 10, 25.	1.5	79
11	Expression of the Clonostachys rosea lactonohydrolase gene by Lactobacillus reuteri to increase its zearalenone-removing ability. Microbial Cell Factories, 2017, 16, 69.	1.9	42
12	Isolation and characterization of a Bacillus amyloliquefaciens strain with zearalenone removal ability and its probiotic potential. PLoS ONE, 2017, 12, e0182220.	1.1	49
13	Effect of Degradation of Zearalenone-Contaminated Feed by Bacillus licheniformis CK1 on Postweaning Female Piglets. Toxins, 2016, 8, 300.	1.5	31
14	Involvement of type VI secretion system in secretion of iron chelator pyoverdine in Pseudomonas taiwanensis. Scientific Reports, 2016, 6, 32950.	1.6	60
15	Structural analyses and yeast production of the $\beta$ -1,3-1,4-glucanase catalytic module encoded by the licB gene of Clostridium thermocellum. Enzyme and Microbial Technology, 2015, 71, 1-7.	1.6	13
16	Immobilization of <i>Piromyces rhizinflata</i> $\beta$ -Glucanase on Poly(Dimethylsiloxane) and Si Wafer and Prediction of Optimum Reaction for Enzyme Activity. Preparative Biochemistry and Biotechnology, 2015, 45, 42-55.	1.0	2
17	Characterization of an Insecticidal Toxin and Pathogenicity of Pseudomonas taiwanensis against Insects. PLoS Pathogens, 2014, 10, e1004288.	2.1	50
18	Crystallization and preliminary X-ray diffraction analysis of a novel $\beta$ -L-arabinofuranosidase (HypBA1) from Bifidobacterium longum. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 636-638.	0.4	7

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19	Improving specific activity and thermostability of <i>Escherichia coli</i> phytase by structure-based rational design. <i>Journal of Biotechnology</i> , 2014, 175, 1-6.	1.9	43
20	Structural and mutagenetic analyses of a 1,3- $\beta$ -1,4- $\beta$ -glucanase from <i>Paecilomyces thermophila</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 366-373.	1.1	20
21	Increase of the adhesion ability and display of a rumen fungal xylanase on the cell surface of <i>Lactobacillus casei</i> by using a listerial cell-wall-anchoring protein. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 576-584.	1.7	5
22	Improving the specific activity of $\beta$ -mannanase from <i>Aspergillus niger</i> BK01 by structure-based rational design. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 663-669.	1.1	36
23	Structural Analysis of a Glycoside Hydrolase Family 11 Xylanase from <i>Neocallimastix patriciarum</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 11020-11028.	1.6	64
24	Crystal structure and substrate-binding mode of the mycoestrogen-detoxifying lactonase ZHD from <i>Clonostachys rosea</i> . <i>RSC Advances</i> , 2014, 4, 62321-62325.	1.7	37
25	Immobilization of <i>Clostridium cellulolyticum</i> $\alpha$ -D-Glucose 3-Epimerase on Artificial Oil Bodies. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6771-6776.	2.4	29
26	Characterization of two truncated forms of xylanase recombinantly expressed by <i>Lactobacillus reuteri</i> with an introduced rumen fungal xylanase gene. <i>Enzyme and Microbial Technology</i> , 2014, 64-65, 6-10.	1.6	6
27	Switchable delivery of small interfering RNA using a negatively charged pH-responsive polyethylenimine-based polyelectrolyte complex. <i>Chemical Communications</i> , 2013, 49, 2670.	2.2	23
28	Biosynthesis, production and applications of bacterial cellulose. <i>Cellulose</i> , 2013, 20, 2191-2219.	2.4	380
29	Substrate binding to a GH131 $\beta$ -glucanase catalytic domain from <i>Podospora anserina</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 193-197.	1.0	5
30	Effect of floral sources on the antioxidant, antimicrobial, and anti-inflammatory activities of honeys in Taiwan. <i>Food Chemistry</i> , 2013, 139, 938-943.	4.2	102
31	Preliminary X-ray diffraction analysis of thermostable $\beta$ -1,4-mannanase from <i>Aspergillus niger</i> BK01. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1100-1102.	0.7	3
32	Investigation of microorganisms involved in biosynthesis of the kefir grain. <i>Food Microbiology</i> , 2012, 32, 274-285.	2.1	79
33	Controlled delivery of recombinant adeno-associated virus serotype 2 using pH-sensitive poly(ethylene glycol)-poly-L-histidine hydrogels. <i>Biomaterials</i> , 2012, 33, 9239-9245.	5.7	38
34	Rational design to improve thermostability and specific activity of the truncated <i>Fibrobacter succinogenes</i> 1,3-1,4- $\beta$ -D-glucanase. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 111-121.	1.7	27
35	Enhanced activity of <i>Thermotoga maritima</i> cellulase 12A by mutating a unique surface loop. <i>Applied Microbiology and Biotechnology</i> , 2012, 95, 661-669.	1.7	34
36	Diverse substrate recognition mechanism revealed by <i>Thermotoga maritima</i> Cel5A structures in complex with cellotetraose, cellobiose and mannotriose. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1832-1840.	1.1	47

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37	Crystal Structures of Bacillus Alkaline Phytase in Complex with Divalent Metal ions and Inositol Hexasulfate. Journal of Molecular Biology, 2011, 409, 214-224.	2.0	34
38	Display of Fibrobacter succinogenes Î <sup>2</sup> -Glucanase on the Cell Surface of Lactobacillus reuteri. Journal of Agricultural and Food Chemistry, 2011, 59, 1744-1751.	2.4	8
39	Molecular cloning and characterization of a Î <sup>2</sup> -glucanase from Piomyces rhizinflatus. Journal of Bioscience and Bioengineering, 2011, 111, 541-546.	1.1	12
40	Isolation and characterization of a Bacillus licheniformis strain capable of degrading zearalenone. World Journal of Microbiology and Biotechnology, 2011, 27, 1035-1043.	1.7	55
41	Substrate binding of a GH5 endoglucanase from the ruminal fungus <i>Piomyces rhizinflata</i> . Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1189-1194.	0.7	28
42	Crystal structure and substrate-binding mode of cellulase 12A from <i>Thermotoga maritima</i> . Proteins: Structure, Function and Bioinformatics, 2011, 79, 1193-1204.	1.5	37
43	Molecular cloning and characterization of a bifunctional xylanolytic enzyme from Neocallimastix patriciarum. Applied Microbiology and Biotechnology, 2010, 85, 1451-1462.	1.7	29
44	Prediction of optimum reaction conditions for the thermo-tolerant acetylxylan esterase from <i>Neocallimastix patriciarum</i> using the response surface methodology. Journal of Chemical Technology and Biotechnology, 2010, 85, 628-633.	1.6	3
45	Expression of Lactobacillus reuteri Pg4 Collagen-Binding Protein Gene in Lactobacillus casei ATCC 393 Increases Its Adhesion Ability to Caco-2 Cells. Journal of Agricultural and Food Chemistry, 2010, 58, 12182-12191.	2.4	22
46	Molecular Cloning and Characterization of an Insecticidal Toxin from <i>Pseudomonas taiwanensis</i> . Journal of Agricultural and Food Chemistry, 2010, 58, 12343-12349.	2.4	22
47	Purification and characterization of chitinase from a new species strain Pseudomonas sp. TKU008. Journal of Microbiology and Biotechnology, 2010, 20, 1001-1005.	0.9	20
48	Simultaneous refolding, purification, and immobilization of recombinant <i>Fibrobacter succinogenes</i> 1,3- $\alpha$ -D-glucanase on artificial oil bodies. Journal of Chemical Technology and Biotechnology, 2009, 84, 1480-1485.	1.6	5
49	Cloning of a rumen fungal xylanase gene and purification of the recombinant enzyme via artificial oil bodies. Applied Microbiology and Biotechnology, 2008, 79, 225-233.	1.7	36
50	Immobilization of Neocallimastix patriciarum xylanase on artificial oil bodies and statistical optimization of enzyme activity. Bioresource Technology, 2008, 99, 8662-8666.	4.8	35
51	Enhanced antioxidant bioactivity of Salvia miltiorrhiza (Danshen) products prepared using nanotechnology. Phytomedicine, 2008, 15, 23-30.	2.3	49
52	Antioxidant Properties of Royal Jelly Associated with Larval Age and Time of Harvest. Journal of Agricultural and Food Chemistry, 2008, 56, 11447-11452.	2.4	86
53	Coexpression of rumen microbial Î <sup>2</sup> -glucanase and xylanase genes in Lactobacillus reuteri. Applied Microbiology and Biotechnology, 2007, 77, 117-124.	1.7	18
54	Hypocholesterolaemic effects of milk-kefir and soyamilk-kefir in cholesterol-fed hamsters. British Journal of Nutrition, 2006, 95, 939-946.	1.2	96

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55	The anti-allergenic properties of milk kefir and soymilk kefir and their beneficial effects on the intestinal microflora. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 2527-2533.	1.7	54
56	Direct cloning of a xylanase gene from the mixed genomic DNA of rumen fungi and its expression in intestinal <i>Lactobacillus reuteri</i> . <i>FEMS Microbiology Letters</i> , 2005, 251, 233-241.	0.7	25
57	Expression of Rumen Microbial Fibrolytic Enzyme Genes in Probiotic <i>Lactobacillus reuteri</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 6769-6775.	1.4	44
58	Antimutagenic and Antioxidant Properties of Milk Kefir and Soymilk Kefir. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 2467-2474.	2.4	179
59	Antitumor Activity of Milk Kefir and Soy Milk Kefir in Tumor-Bearing Mice. <i>Nutrition and Cancer</i> , 2002, 44, 183-187.	0.9	82
60	Production of Kefir from Soymilk With or Without Added Glucose, Lactose, or Sucrose. <i>Journal of Food Science</i> , 2000, 65, 716-719.	1.5	79