

Je-Ruei Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3426232/publications.pdf>

Version: 2024-02-01

60
papers

2,541
citations

159573

30
h-index

197805

49
g-index

61
all docs

61
docs citations

61
times ranked

3593
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.	3.9	8
2	Effectiveness of <i>Bacillus licheniformis</i> -Fermented Products and Their Derived Antimicrobial Lipopeptides in Controlling Coccidiosis in Broilers. Animals, 2021, 11, 3576.	2.3	14
3	Isolation of a <i>Leuconostoc mesenteroides</i> Strain With Anti-Porcine Epidemic Diarrhea Virus Activities From Kefir Grains. Frontiers in Microbiology, 2020, 11, 1578.	3.5	9
4	Whole Genome Sequencing and Tn5-Insertion Mutagenesis of <i>Pseudomonas taiwanensis</i> CMS to Probe Its Antagonistic Activity Against Rice Bacterial Blight Disease. International Journal of Molecular Sciences, 2020, 21, 8639.	4.1	2
5	Effect of <i>Lactobacillus rhamnosus</i> GG on Energy Metabolism, Leptin Resistance, and Gut Microbiota in Mice with Diet-Induced Obesity. Nutrients, 2020, 12, 2557.	4.1	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.	2.5	6
7	Construction of a <i>Lactobacillus plantarum</i> Strain Expressing the Capsid Protein of Porcine Circovirus Type 2d (PCV2d) as an Oral Vaccine. Indian Journal of Microbiology, 2019, 59, 490-499.	2.7	5
8	A combination of <i>Lactobacillus mali</i> APS1 and dieting improved the efficacy of obesity treatment via manipulating gut microbiome in mice. Scientific Reports, 2018, 8, 6153.	3.3	31
9	Probiotic characteristics and zearalenone-removal ability of a <i>Bacillus licheniformis</i> strain. PLoS ONE, 2018, 13, e0194866.	2.5	44
10	Protective and Detoxifying Effects Conferred by Dietary Selenium and Curcumin against AFB1-Mediated Toxicity in Livestock: A Review. Toxins, 2018, 10, 25.	3.4	79
11	Expression of the <i>Clonostachys rosea</i> lactonohydrolase gene by <i>Lactobacillus reuteri</i> to increase its zearalenone-removing ability. Microbial Cell Factories, 2017, 16, 69.	4.0	42
12	Isolation and characterization of a <i>Bacillus amyloliquefaciens</i> strain with zearalenone removal ability and its probiotic potential. PLoS ONE, 2017, 12, e0182220.	2.5	49
13	Effect of Degradation of Zearalenone-Contaminated Feed by <i>Bacillus licheniformis</i> CK1 on Postweaning Female Piglets. Toxins, 2016, 8, 300.	3.4	31
14	Involvement of type VI secretion system in secretion of iron chelator pyoverdine in <i>Pseudomonas taiwanensis</i> . Scientific Reports, 2016, 6, 32950.	3.3	60
15	Structural analyses and yeast production of the β -1,3-1,4-glucanase catalytic module encoded by the <i>licB</i> gene of <i>Clostridium thermocellum</i> . Enzyme and Microbial Technology, 2015, 71, 1-7.	3.2	13
16	Immobilization of <i>Piromyces rhizinflata</i> β -Glucanase on Poly(Dimethylsiloxane) and Si Wafer and Prediction of Optimum Reaction for Enzyme Activity. Preparative Biochemistry and Biotechnology, 2015, 45, 42-55.	1.9	2
17	Characterization of an Insecticidal Toxin and Pathogenicity of <i>Pseudomonas taiwanensis</i> against Insects. PLoS Pathogens, 2014, 10, e1004288.	4.7	50
18	Crystallization and preliminary X-ray diffraction analysis of a novel β -L-arabinofuranosidase (HypBA1) from <i>Bifidobacterium longum</i> . Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 636-638.	0.8	7

#	ARTICLE	IF	CITATIONS
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.	3.8	43
20	Structural and mutagenetic analyses of a 1,3- α -1,4- β -glucanase from <i>Paecilomyces thermophila</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 366-373.	2.3	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.	3.5	5
22	Improving the specific activity of β -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.	2.3	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.	3.4	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.	3.6	37
25	Immobilization of <i>Clostridium cellulolyticum</i> -Psicose 3-Epimerase on Artificial Oil Bodies. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6771-6776.	5.2	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.	3.2	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.	4.1	23
28	Biosynthesis, production and applications of bacterial cellulose. <i>Cellulose</i> , 2013, 20, 2191-2219.	4.9	380
29	Substrate binding to a GH131 β -glucanase catalytic domain from <i>Podospora anserina</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 193-197.	2.1	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.	8.2	102
31	Preliminary X-ray diffraction analysis of thermostable β -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.	4.2	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.	11.4	38
34	Rational design to improve thermostability and specific activity of the truncated <i>Fibrobacter succinogenes</i> 1,3-1,4- β -D-glucanase. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 111-121.	3.6	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.	3.6	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.	2.3	47

#	ARTICLE	IF	CITATIONS
37	Crystal Structures of Bacillus Alkaline Phytase in Complex with Divalent Metal ions and Inositol Hexasulfate. Journal of Molecular Biology, 2011, 409, 214-224.	4.2	34
38	Display of Fibrobacter succinogenes Î ² -Glucanase on the Cell Surface of Lactobacillus reuteri. Journal of Agricultural and Food Chemistry, 2011, 59, 1744-1751.	5.2	8
39	Molecular cloning and characterization of a Î ² -glucanase from Piomyces rhizinflatus. Journal of Bioscience and Bioengineering, 2011, 111, 541-546.	2.2	12
40	Isolation and characterization of a Bacillus licheniformis strain capable of degrading zearalenone. World Journal of Microbiology and Biotechnology, 2011, 27, 1035-1043.	3.6	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.	2.6	37
43	Molecular cloning and characterization of a bifunctional xylanolytic enzyme from Neocallimastix patriciarum. Applied Microbiology and Biotechnology, 2010, 85, 1451-1462.	3.6	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.	3.2	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.	5.2	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.	5.2	22
47	Purification and characterization of chitinase from a new species strain Pseudomonas sp. TKU008. Journal of Microbiology and Biotechnology, 2010, 20, 1001-1005.	2.1	20
48	Simultaneous refolding, purification, and immobilization of recombinant <i>Fibrobacter succinogenes</i> 1,3- α -D-glucanase on artificial oil bodies. Journal of Chemical Technology and Biotechnology, 2009, 84, 1480-1485.	3.2	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.	3.6	36
50	Immobilization of Neocallimastix patriciarum xylanase on artificial oil bodies and statistical optimization of enzyme activity. Bioresource Technology, 2008, 99, 8662-8666.	9.6	35
51	Enhanced antioxidant bioactivity of Salvia miltiorrhiza (Danshen) products prepared using nanotechnology. Phytomedicine, 2008, 15, 23-30.	5.3	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.	5.2	86
53	Coexpression of rumen microbial Î ² -glucanase and xylanase genes in Lactobacillus reuteri. Applied Microbiology and Biotechnology, 2007, 77, 117-124.	3.6	18
54	Hypocholesterolaemic effects of milk-kefir and soyamilk-kefir in cholesterol-fed hamsters. British Journal of Nutrition, 2006, 95, 939-946.	2.3	96

#	ARTICLE	IF	CITATIONS
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.	3.5	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.	1.8	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.	3.1	44
58	Antimutagenic and Antioxidant Properties of Milk Kefir and Soymilk Kefir. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 2467-2474.	5.2	179
59	Antitumor Activity of Milk Kefir and Soy Milk Kefir in Tumor-Bearing Mice. <i>Nutrition and Cancer</i> , 2002, 44, 183-187.	2.0	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.	3.1	79