

Yihan Liu

List of Publications by Year in descending order

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49
papers

1,014
citations

325464

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402749

29
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52
docs citations

52
times ranked

1029
citing authors

#	ARTICLE	IF	CITATIONS
1	Overexpression of a Thermostable α -Amylase through Genome Integration in <i>Bacillus subtilis</i> . <i>Fermentation</i> , 2023, 9, 139.	3.0	5
2	Immobilization of Phospholipase D for Production of Phosphatidylserine by a Pickering Emulsion Strategy. <i>Catalysts</i> , 2023, 13, 1318.	3.5	2
3	Immobilization of Phospholipase D for Production of Phosphatidylserine via Enzyme-Inorganic Hybrid Nanoflower Strategy. <i>Fermentation</i> , 2023, 9, 1016.	3.0	0
4	Recent Advances of Enzymes in the Food Industry. <i>Foods</i> , 2023, 12, 4506.	4.3	0
5	From gas separation to ion transport in the cavity of hyperbranched polyamides based on triptycene aimed for electrochromic and memory devices. <i>Polymer Chemistry</i> , 2022, 13, 808-818.	3.9	6
6	Novel Detection Method for Evaluating the Activity of an Alkaline Serine Protease from <i>Bacillus clausii</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3765-3774.	5.2	4
7	Utilization of Soybean Oil Waste for a High-Level Production of Ceramide by a Novel Phospholipase C as an Environmentally Friendly Process. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3228-3238.	5.2	2
8	Biochemical and Structural Properties of a High-Temperature-Active Laccase from <i>Bacillus pumilus</i> and Its Application in the Decolorization of Food Dyes. <i>Foods</i> , 2022, 11, 1387.	4.3	8
9	Multiple Modular Engineering of <i>Bacillus Amyloliquefaciens</i> Cell Factories for Enhanced Production of Alkaline Proteases From <i>B. Clausii</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 866066.	4.1	11
10	Crosslinking Mechanism on a Novel <i>Bacillus cereus</i> Transglutaminase-Mediated Conjugation of Food Proteins. <i>Foods</i> , 2022, 11, 3722.	4.3	6
11	Enzymatic characterization, molecular dynamics simulation, and application of a novel <i>Bacillus licheniformis</i> laccase. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1393-1405.	7.6	21
12	Efficient secretion expression of phospholipase D in <i>Bacillus subtilis</i> and its application in synthesis of phosphatidylserine by enzyme immobilization. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 282-289.	7.6	19
13	Reducing the cell lysis to enhance yield of acid-stable alpha amylase by deletion of multiple peptidoglycan hydrolase-related genes in <i>Bacillus amyloliquefaciens</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 167, 777-786.	7.6	12
14	Enhancing the functional characteristics of soy protein isolate via crosslinking catalyzed by <i>Bacillus subtilis</i> transglutaminase. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4154-4160.	3.5	19
15	Biochemical characterization of a tyrosinase from <i>Bacillus aryabhattai</i> and its application. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 37-46.	7.6	16
16	Improving the activity and stability of <i>Bacillus clausii</i> alkaline protease using directed evolution and molecular dynamics simulation. <i>Enzyme and Microbial Technology</i> , 2021, 147, 109787.	3.2	19
17	Chameleon-Inspired Energy-Saving Smart Window Responding to Natural Weather. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12949-12959.	6.7	58
18	Fluorescent magnetic ionic liquids with multiple responses to temperature, humidity and organic vapors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13276-13285.	5.4	10

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19	Characterization and application of a novel laccase derived from <i>Bacillus amyloliquefaciens</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 150, 982-990.	7.6	30
20	Enhancing the thermostability of phospholipase D from <i>Streptomyces halstedii</i> by directed evolution and elucidating the mechanism of a key amino acid residue using molecular dynamics simulation. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3065-3074.	7.6	14
21	Screening of the candidate inhibitory peptides of subtilisin by in vitro RNA display technique. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1162-1167.	7.6	1
22	Purification, characterization and in vitro antioxidant activity of a polysaccharide AAPâ€“3â€“1 from <i>Auricularia auricula</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1453-1464.	7.6	34
23	Magnetic polymerizable surfactants: thermotropic liquid crystal behaviors and construction of nanostructured films. <i>New Journal of Chemistry</i> , 2020, 44, 16537-16545.	2.6	4
24	Tunable physical and mechanical properties of gelatin hydrogel after transglutaminase crosslinking on two gelatin types. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 405-413.	7.6	98
25	Single network double cross-linker (SNDCL) hydrogels with excellent stretchability, self-recovery, adhesion strength, and conductivity for human motion monitoring. <i>Soft Matter</i> , 2020, 16, 7323-7331.	2.8	46
26	The heterologous expression, characterization, and application of a novel laccase from <i>Bacillus velezensis</i> . <i>Science of the Total Environment</i> , 2020, 713, 136713.	8.1	28
27	Enhancing the activity and thermostability of <i>Streptomyces mobaraensis</i> transglutaminase by directed evolution and molecular dynamics simulation. <i>Biochemical Engineering Journal</i> , 2019, 151, 107333.	3.7	23
28	Multiple Cross-Linking-Dominated Metalâ€“Ligand Coordinated Hydrogels with Tunable Strength and Thermosensitivity. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2370-2378.	4.4	27
29	Transcriptomic Analysis of the Influence of Methanol Assimilation on the Gene Expression in the Recombinant <i>Pichia pastoris</i> Producing Hirudin Variant 3. <i>Genes</i> , 2019, 10, 606.	2.4	16
30	Engineering a highly efficient expression system to produce BcaPRO protease in <i>Bacillus subtilis</i> by an optimized promoter and signal peptide. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 903-911.	7.6	47
31	Ionic-surfactants-based thermotropic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15256-15281.	2.8	18
32	Biochemical characterization of a novel GH43 family Î²-xylosidase from <i>Bacillus pumilus</i> . <i>Food Chemistry</i> , 2019, 295, 653-661.	8.2	19
33	Guanosine-based thermotropic liquid crystals with tunable phase structures and ion-responsive properties. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 269-279.	9.5	20
34	Directed evolution of Î±-amylase from <i>Bacillus licheniformis</i> to enhance its acid-stable performance. <i>Biologia (Poland)</i> , 2019, 74, 1363-1372.	1.4	12
35	G-Quadruplex based hydrogels stabilized by a cationic polymer as an efficient adsorbent of picric acid. <i>New Journal of Chemistry</i> , 2019, 43, 18331-18338.	2.6	10
36	A novel process for phosphatidylserine production using a <i>Pichia pastoris</i> whole-cell biocatalyst with overexpression of phospholipase D from <i>Streptomyces halstedii</i> in a purely aqueous system. <i>Food Chemistry</i> , 2019, 274, 535-542.	8.2	26

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37	Ethanol effects on the overexpression of heterologous catalase in <i>Escherichia coli</i> BL21 (DE3). <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1441-1453.	3.6	10
38	Characterization of transglutaminase from <i>Bacillus subtilis</i> and its cross-linking function with a bovine serum albumin model. <i>Food and Function</i> , 2018, 9, 5560-5568.	4.6	24
39	Cloning, expression and characterisation of phospholipase B from <i>Saccharomyces cerevisiae</i> and its application in the synthesis of α -glycerylphosphorylcholine and peanut oil degumming. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 968-973.	1.3	9
40	Cloning, expression, and characterization of a thermostable and pH-stable laccase from <i>Klebsiella pneumoniae</i> and its application to dye decolorization. <i>Process Biochemistry</i> , 2017, 53, 125-134.	3.8	79
41	Improvement in thermostability of an alkaline lipase I from <i>Penicillium cyclopium</i> by directed evolution. <i>RSC Advances</i> , 2017, 7, 38538-38548.	3.7	26
42	Metagenomic Profiling of the Bacterial Community Changes from Koji to Mash Stage in the Brewing of Soy Sauce. <i>Polish Journal of Microbiology</i> , 2017, 66, 537-541.	1.6	14
43	Functional expression of <i>Trametes versicolor</i> thermotolerant laccase variant in <i>Pichia pastoris</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2016, 30, 261-269.	1.3	4
44	Cytotoxic Metabolites Produced by the Endophytic Fungus <i>Aspergillus clavatus</i> . <i>Chemistry Letters</i> , 2015, 44, 1148-1149.	1.4	20
45	A novel approach for improving the yield of <i>Bacillus subtilis</i> transglutaminase in heterologous strains. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1227-1235.	2.9	31
46	High-Yield Phosphatidylserine Production via Yeast Surface Display of Phospholipase D from <i>Streptomyces chromofuscus</i> on <i>Pichia pastoris</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5354-5360.	5.2	34
47	Preparing oligopeptides from broken rice protein by ultrafiltration-coupled enzymatic hydrolysis. <i>European Food Research and Technology</i> , 2013, 236, 419-424.	3.3	12
48	Efficient expression of an alkaline pectate lyase gene from <i>Bacillus subtilis</i> and the characterization of the recombinant protein. <i>Biotechnology Letters</i> , 2012, 34, 109-115.	2.2	18
49	High-level expression, purification and characterization of a recombinant medium-temperature α -amylase from <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2010, 32, 119-124.	2.2	24