

Yihan Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43 papers	406 citations	12 h-index	18 g-index
45 ext. papers	640 ext. citations	5.3 avg, IF	3.64 L-index

#	Paper	IF	Citations
43	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	4.9	0
42	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	4.9	
41	Multiple Modular Engineering of Cell Factories for Enhanced Production of Alkaline Proteases From .. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 866066	5.8	0
40	Biochemical characterization of a tyrosinase from <i>Bacillus aryabhattai</i> and its application. <i>International Journal of Biological Macromolecules</i> , 2021 , 176, 37-46	7.9	7
39	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	3.8	5
38	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	7.9	3
37	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	7.9	0
36	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	7.9	2
35	Enhancing the functional characteristics of soy protein isolate via cross-linking catalyzed by <i>Bacillus subtilis</i> transglutaminase. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 4154-4160	4.3	2
34	Chameleon-Inspired Energy-Saving Smart Window Responding to Natural Weather. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12949-12959	8.3	11
33	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	7.9	29
32	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	3.6	16
31	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	10.2	11
30	Characterization and application of a novel laccase derived from <i>Bacillus amyloliquefaciens</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 982-990	7.9	10
29	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	7.9	3
28	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	7.9	1
27	Purification, characterization and in vitro antioxidant activity of a polysaccharide AAP-3-1 from <i>Auricularia auricula</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 1453-1464	7.9	8

26	Magnetic polymerizable surfactants: thermotropic liquid crystal behaviors and construction of nanostructured films. <i>New Journal of Chemistry</i> , 2020 , 44, 16537-16545	3.6	2
25	Biochemical characterization of a novel GH43 family α -xylosidase from <i>Bacillus pumilus</i> . <i>Food Chemistry</i> , 2019 , 295, 653-661	8.5	9
24	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	9.3	10
23	Directed evolution of α -amylase from <i>Bacillus licheniformis</i> to enhance its acid-stable performance. <i>Biologia (Poland)</i> , 2019 , 74, 1363-1372	1.5	4
22	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	4.2	9
21	Multiple Cross-Linking-Dominated Metal-Ligand Coordinated Hydrogels with Tunable Strength and Thermosensitivity. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 2370-2378	4.3	7
20	Transcriptomic Analysis of the Influence of Methanol Assimilation on the Gene Expression in the Recombinant Producing Hirudin Variant 3. <i>Genes</i> , 2019 , 10,	4.2	3
19	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	7.9	18
18	Ionic-surfactants-based thermotropic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15256-15281	5.1	12
17	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	3.6	2
16	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	8.5	12
15	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	5.7	7
14	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	6.1	9
13	Cloning, expression and characterisation of phospholipase B from <i>Saccharomyces cerevisiae</i> and its application in the synthesis of l- α -glycerylphosphorylcholine and peanut oil degumming. <i>Biotechnology and Biotechnological Equipment</i> , 2018 , 32, 968-973	1.6	4
12	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	4.8	46
11	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	14
10	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	1.8	5
9	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	1.6	3

8	Cytotoxic Metabolites Produced by the Endophytic Fungus <i>Aspergillus clavatus</i> . <i>Chemistry Letters</i> , 2015 , 44, 1148-1149	1.7	17
7	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, 1227-35	4.2	19
6	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, 5354-60	5.7	25
5	A highly active alpha amylase from <i>Bacillus licheniformis</i> : directed evolution, enzyme characterization and structural analysis. <i>Journal of Microbiology and Biotechnology</i> , 2014 , 24, 898-904	3.3	14
4	Preparing oligopeptides from broken rice protein by ultrafiltration-coupled enzymatic hydrolysis. <i>European Food Research and Technology</i> , 2013 , 236, 419-424	3.4	7
3	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, 109-15	3	16
2	High-level expression, purification and characterization of a recombinant medium-temperature alpha-amylase from <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2010 , 32, 119-24	3	20
1	Fluorescent magnetic ionic liquids with multiple responses to temperature, humidity and organic vapors. <i>Journal of Materials Chemistry C</i> ,	7.1	4