

Haijin Mou

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72
papers

1,363
citations

18
h-index

35
g-index

77
ext. papers

1,897
ext. citations

5.4
avg, IF

5.11
L-index

#	Paper	IF	Citations
72	Antimicrobial Peptides: Classification, Design, Application and Research Progress in Multiple Fields. <i>Frontiers in Microbiology</i> , 2020 , 11, 582779	5.7	166
71	Study on saccharification techniques of seaweed wastes for the transformation of ethanol. <i>Renewable Energy</i> , 2011 , 36, 84-89	8.1	156
70	Nondigestible carbohydrates, butyrate, and butyrate-producing bacteria. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, S130-S152	11.5	116
69	Anti-oxidation of agar oligosaccharides produced by agarase from a marine bacterium. <i>Journal of Applied Phycology</i> , 2004 , 16, 333-340	3.2	85
68	In vitro antioxidative activities of three marine oligosaccharides. <i>Natural Product Research</i> , 2007 , 21, 646-54	2.3	84
67	Compositional and structural characteristics of sulfated polysaccharide from <i>Enteromorpha prolifera</i> . <i>Carbohydrate Polymers</i> , 2017 , 165, 221-228	10.3	70
66	Photodynamic effect of curcumin on <i>Vibrio parahaemolyticus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2016 , 15, 34-9	3.5	49
65	Characterization of Lipopeptide Biosurfactants Produced by MB01 from Marine Sediments. <i>Frontiers in Microbiology</i> , 2017 , 8, 871	5.7	39
64	Molecular cloning, characterization, and heterologous expression of a new κ -carrageenase gene from marine bacterium <i>Zobellia</i> sp. ZM-2. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 10057-67	5.7	37
63	High-level expression of a thermophilic and acidophilic β -mannanase from <i>Aspergillus kawachii</i> IFO 4308 with significant potential in mannoooligosaccharide preparation. <i>Bioresource Technology</i> , 2020 , 295, 122257	11	28
62	Production of a water-soluble fertilizer containing amino acids by solid-state fermentation of soybean meal and evaluation of its efficacy on the rapeseed growth. <i>Journal of Biotechnology</i> , 2014 , 187, 34-42	3.7	26
61	Effect of guar gum on stability and physical properties of orange juice. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 565-574	7.9	24
60	Application of bacteriophage-borne enzyme combined with chlorine dioxide on controlling bacterial biofilm. <i>LWT - Food Science and Technology</i> , 2014 , 59, 1159-1165	5.4	23
59	Expression and Characterization of a New PolyG-Specific Alginate Lyase From Marine Bacterium sp. Q7. <i>Frontiers in Microbiology</i> , 2018 , 9, 2894	5.7	23
58	Promotive effects of alginate-derived oligosaccharides on the inducing drought resistance of tomato. <i>Journal of Ocean University of China</i> , 2009 , 8, 303-311	1	22
57	STRUCTURAL ANALYSIS OF KAPPA-CARRAGEENAN OLIGOSACCHARIDES RELEASED BY CARRAGEENASE FROM MARINE CYTOPHAGA MCA-2. <i>Journal of Food Biochemistry</i> , 2004 , 28, 245-260	3.3	22
56	Inhibition of adhesion of intestinal pathogens (<i>Escherichia coli</i> , <i>Vibrio cholerae</i> , <i>Campylobacter jejuni</i> , and <i>Salmonella Typhimurium</i>) by common oligosaccharides. <i>Foodborne Pathogens and Disease</i> , 2015 , 12, 360-5	3.8	21

55	Extracellular expression of a novel β agarase from <i>Microbulbifer</i> sp. Q7, isolated from the gut of sea cucumber. <i>AMB Express</i> , 2017 , 7, 220	4.1	19
54	Cloning and expression of a β mannanase gene from <i>Bacillus</i> sp. MK-2 and its directed evolution by random mutagenesis. <i>Enzyme and Microbial Technology</i> , 2019 , 124, 70-78	3.8	18
53	Characterization of high yield exopolysaccharide produced by <i>Phyllobacterium</i> sp. 921F exhibiting moisture preserving properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 562-568	7.9	17
52	Developing a unidirectionally permeable edible film based on β carrageenan and gelatin for visually detecting the freshness of grass carp fillets. <i>Carbohydrate Polymers</i> , 2020 , 241, 116336	10.3	17
51	An effective method for the preparation of carrageenan oligosaccharides directly from <i>Eucheuma cottonii</i> using cellulase and recombinant β carrageenase. <i>Algal Research</i> , 2016 , 15, 93-99	5	17
50	Study on expression and action mode of recombinant alginate lyases based on conserved domains reconstruction. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 807-817	5.7	17
49	Ultrasound-assisted extraction and characterization of anthocyanins from purple corn bran. <i>Journal of Food Processing and Preservation</i> , 2018 , 42, e13377	2.1	16
48	Efficient extracellular production of β carrageenase in <i>Escherichia coli</i> : effects of wild-type signal sequence and process conditions on extracellular secretion. <i>Journal of Biotechnology</i> , 2014 , 185, 8-14	3.7	15
47	Anti-oxidant and anti-inflammatory activities of ultrasonic-assistant extracted polyphenol-rich compounds from <i>Sargassum muticum</i> . <i>Journal of Oceanology and Limnology</i> , 2019 , 37, 836-847	1.5	13
46	Improving catalytic efficiency and maximum activity at low pH of <i>Aspergillus niger</i> phytase using rational design. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 1117-1124	7.9	13
45	Study on the ability of partially hydrolyzed guar gum to modulate the gut microbiota and relieve constipation. <i>Journal of Food Biochemistry</i> , 2019 , 43, e12715	3.3	13
44	Dietary galactosyl and mannosyl carbohydrates: In-vitro assessment of prebiotic effects. <i>Food Chemistry</i> , 2020 , 329, 127179	8.5	12
43	Characterization of Full-Length and Truncated Recombinant β Carrageenase Expressed in. <i>Frontiers in Microbiology</i> , 2017 , 8, 1544	5.7	12
42	Eco-friendly preparation of chitoooligosaccharides with different degrees of deacetylation from shrimp shell waste and their effects on the germination of wheat seeds. <i>Marine Life Science and Technology</i> , 2019 , 1, 95-103	4.5	11
41	PRODUCTION, PURIFICATION AND PROPERTIES OF β MANNANASE FROM SOIL BACTERIUM <i>BACILLUS CIRCULANS</i> M-21. <i>Journal of Food Biochemistry</i> , 2011 , 35, 1451-1460	3.3	10
40	Complete nucleotide sequence of <i>Klebsiella</i> phage P13 and prediction of an EPS depolymerase gene. <i>Virus Genes</i> , 2015 , 50, 118-28	2.3	9
39	Enzymatic preparation of a low-molecular-weight polysaccharide rich in uronic acid from the seaweed <i>Laminaria japonica</i> and evaluation of its hypolipidemic effect in mice. <i>Food and Function</i> , 2020 , 11, 2395-2405	6.1	9
38	Structure and molecular morphology of a novel moisturizing exopolysaccharide produced by <i>Phyllobacterium</i> sp. 921F. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 998-1005	7.9	8

37	Expression, Purification and Characterization of Chondroitinase AC II from Marine Bacterium sp. CS01. <i>Marine Drugs</i> , 2019 , 17,	6	8
36	High-efficiency expression of a superior β mannanase engineered by cooperative substitution method in <i>Pichia pastoris</i> and its application in preparation of prebiotic manooligosaccharides. <i>Bioresource Technology</i> , 2020 , 311, 123482	11	8
35	Properties of hydrolyzed guar gum fermented in vitro with pig fecal inocula and its favorable impacts on microbiota. <i>Carbohydrate Polymers</i> , 2020 , 237, 116116	10.3	8
34	Expression and Characterization of an Alginate Lyase and Its Thermostable Mutant in. <i>Marine Drugs</i> , 2020 , 18,	6	8
33	Purification and characterization of angiotensin I-converting enzyme (ACE) inhibitory peptides with specific structure X-Pro. <i>European Food Research and Technology</i> , 2019 , 245, 1743-1753	3.4	7
32	Flocculation activity of carp protamine in microalgal cells. <i>Aquaculture</i> , 2019 , 505, 150-156	4.4	6
31	Partially degraded chitosan-based flocculation to achieve effective deodorization of oyster (<i>Crassostrea gigas</i>) hydrolysates. <i>Carbohydrate Polymers</i> , 2020 , 234, 115948	10.3	6
30	Improving the kinetic stability of a hyperthermostable β mannanase by a rationally combined strategy. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 405-414	7.9	6
29	Genomic analysis of <i>Microbulbifer</i> sp. Q7 exhibiting degradation activity toward seaweed polysaccharides. <i>Marine Genomics</i> , 2018 , 39, 7-10	1.9	5
28	Properties of Klebsiella phage P13 and associated exopolysaccharide depolymerase. <i>Journal of Ocean University of China</i> , 2014 , 13, 163-168	1	5
27	Structural characterization of fucose-containing disaccharides prepared from exopolysaccharides of <i>Enterobacter sakazakii</i> . <i>Carbohydrate Polymers</i> , 2021 , 252, 117139	10.3	5
26	A novel whole genome amplification method using type IIS restriction enzymes to create overhangs with random sequences. <i>Journal of Biotechnology</i> , 2014 , 184, 1-6	3.7	4
25	A New Cold-Active Glucose Oxidase From <i>Penicillium</i> : High-Level Expression and Application in Fish Preservation. <i>Frontiers in Microbiology</i> , 2020 , 11, 606007	5.7	4
24	Enhancing the expression of recombinant β arrageenase in <i>Pichia pastoris</i> using dual promoters, co-expressing chaperones and transcription factors. <i>Biocatalysis and Biotransformation</i> , 2020 , 38, 104-113	3.5	4
23	Fucoxanthin from marine microalgae: A promising bioactive compound for industrial production and food application.. <i>Critical Reviews in Food Science and Nutrition</i> , 2022 , 1-17	11.5	4
22	Expression, purification and characterisation of chondroitinase AC II with glyceraldehyde-3-phosphate dehydrogenase tag and chaperone (GroEs-GroEL) from <i>Arthrobacter</i> sp. CS01. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 471-476	7.9	3
21	Fatty acid profiles of <i>Vibrio parahaemolyticus</i> and its changes with environment. <i>Journal of Basic Microbiology</i> , 2015 , 55, 112-20	2.7	3
20	Distribution of <i>Vibrio parahaemolyticus</i> ATCC17802 in tissues of adult Pacific oysters (<i>Crassostrea gigas</i>) under starvation conditions. <i>Aquaculture</i> , 2020 , 521, 735051	4.4	3

19	1-allyl-3-methylimidazolium chloride pretreatment of seaweed industrial waste for bioethanol conversion. <i>Journal of Renewable and Sustainable Energy</i> , 2013 , 5, 063111	2.5	3
18	Biotransformation of alkylamides and alkaloids by lactic acid bacteria strains isolated from <i>Zanthoxylum bungeanum</i> meal. <i>Bioresource Technology</i> , 2021 , 330, 124944	11	3
17	Composition and characteristics of continuous enzymatic hydrolysis products from <i>Kappaphycus striatum</i> . <i>Journal of Applied Phycology</i> , 2017 , 29, 1647-1656	3.2	2
16	Bacillomycin D lipopeptides from marine <i>Bacillus megaterium</i> as antimicrobial and preservative agents for large yellow croaker, <i>Larimichthys crocea</i> . <i>Journal of Food Safety</i> , 2019 , 39, e12652	2	2
15	Ethanol production from kelp slag hydrolysates using genetically engineered <i>Escherichia coli</i> KO11. <i>Journal of Applied Phycology</i> , 2015 , 27, 1327-1336	3.2	2
14	Bacteriostatic effect of lipopeptides from <i>Bacillus subtilis</i> N-2 on <i>Pseudomonas putida</i> using soybean meal by solid-state fermentation. <i>Marine Life Science and Technology</i> , 2020 , 2, 172-180	4.5	2
13	Preparation and Characterization of the Enzymatic Degradation Products of the Exopolysaccharide From <i>Klebsiella</i> K13. <i>Journal of Carbohydrate Chemistry</i> , 2014 , 33, 68-85	1.7	2
12	Antimicrobial peptides/ciprofloxacin-loaded O-carboxymethyl chitosan/self-assembling peptides hydrogel dressing with sustained-release effect for enhanced anti-bacterial infection and wound healing.. <i>Carbohydrate Polymers</i> , 2022 , 280, 119033	10.3	2
11	A thermostable glucose oxidase from <i>Aspergillus heteromorphus</i> CBS 117.55 with broad pH stability and digestive enzyme resistance. <i>Protein Expression and Purification</i> , 2020 , 176, 105717	2	2
10	Production of a water-soluble protein powder from anchovy and soybean meal by endogenous enzymatic hydrolysis and solid-state fermentation. <i>Journal of Food Processing and Preservation</i> , 2019 , 43, e13854	2.1	2
9	Marine-derived uronic acid-containing polysaccharides: Structures, sources, production, and nutritional functions. <i>Trends in Food Science and Technology</i> , 2022 , 122, 1-12	15.3	2
8	Fucose-containing bacterial exopolysaccharides: Sources, biological activities, and food applications.. <i>Food Chemistry: X</i> , 2022 , 13, 100233	4.7	1
7	A novel glucofucobiose with potential prebiotic activity prepared from the exopolysaccharides of <i>Clavibacter michiganensis</i> M1.. <i>Food Chemistry</i> , 2022 , 377, 132001	8.5	1
6	Application of enzymes as a feed additive in aquaculture. <i>Marine Life Science and Technology</i> , 2021 , 1, 1-12	4.5	1
5	Genome sequence analysis of <i>Cronobacter</i> phage PF-CE2 and proposal of a new species in the genus <i>Pseudotevenvirus</i> . <i>Archives of Virology</i> , 2021 , 166, 3467-3472	2.6	0
4	A multi-functional genetic manipulation system and its use in high-level expression of a <i>Enannanase</i> mutant with high specific activity in <i>Pichia pastoris</i> . <i>Microbial Biotechnology</i> , 2021 , 14, 1525-1538	6.3	0
3	Surface charged amino acid-based strategy for rational engineering of kinetic stability and specific activity of enzymes: Linking experiments with computational modeling. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 228-236	7.9	0
2	Characterization of flocculating and antimicrobial activity of salmine. <i>Algal Research</i> , 2016 , 16, 46-53	5	0

- 1 Improvement of the Catalytic Ability of a Thermostable and Acidophilic α -Mannanase Using a Consensus Sequence Design Strategy. *Frontiers in Microbiology*, **2021**, 12, 722347

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