

# Haijin Mou

## 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.

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	Fucose-containing bacterial exopolysaccharides: Sources, biological activities, and food applications.. <i>Food Chemistry: X</i> , <b>2022</b> , 13, 100233	4.7	1
71	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> , <b>2022</b> , 280, 119033	10.3	2
70	A novel glucofucobiose with potential prebiotic activity prepared from the exopolysaccharides of <i>Clavibacter michiganensis</i> M1.. <i>Food Chemistry</i> , <b>2022</b> , 377, 132001	8.5	1
69	Marine-derived uronic acid-containing polysaccharides: Structures, sources, production, and nutritional functions. <i>Trends in Food Science and Technology</i> , <b>2022</b> , 122, 1-12	15.3	2
68	Fucoxanthin from marine microalgae: A promising bioactive compound for industrial production and food application.. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2022</b> , 1-17	11.5	4
67	Genome sequence analysis of Cronobacter phage PF-CE2 and proposal of a new species in the genus Pseudotevenvirus. <i>Archives of Virology</i> , <b>2021</b> , 166, 3467-3472	2.6	0
66	A multi-functional genetic manipulation system and its use in high-level expression of a $\beta$ -mannanase mutant with high specific activity in <i>Pichia pastoris</i> . <i>Microbial Biotechnology</i> , <b>2021</b> , 14, 1525-1538	6.3	0
65	Biotransformation of alkylamides and alkaloids by lactic acid bacteria strains isolated from <i>Zanthoxylum bungeanum</i> meal. <i>Bioresource Technology</i> , <b>2021</b> , 330, 124944	11	3
64	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> , <b>2021</b> , 182, 228-236	7.9	0
63	Structural characterization of fucose-containing disaccharides prepared from exopolysaccharides of <i>Enterobacter sakazakii</i> . <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117139	10.3	5
62	Improving the kinetic stability of a hyperthermostable $\beta$ -mannanase by a rationally combined strategy. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 405-414	7.9	6
61	Improvement of the Catalytic Ability of a Thermostable and Acidophilic $\beta$ -Mannanase Using a Consensus Sequence Design Strategy. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 722347	5.7	
60	Dietary galactosyl and mannosyl carbohydrates: In-vitro assessment of prebiotic effects. <i>Food Chemistry</i> , <b>2020</b> , 329, 127179	8.5	12
59	Developing a unidirectionally permeable edible film based on $\beta$ -carrageenan and gelatin for visually detecting the freshness of grass carp fillets. <i>Carbohydrate Polymers</i> , <b>2020</b> , 241, 116336	10.3	17
58	High-efficiency expression of a superior $\beta$ -mannanase engineered by cooperative substitution method in <i>Pichia pastoris</i> and its application in preparation of prebiotic manno oligosaccharides. <i>Bioresource Technology</i> , <b>2020</b> , 311, 123482	11	8
57	Properties of hydrolyzed guar gum fermented in vitro with pig fecal inocula and its favorable impacts on microbiota. <i>Carbohydrate Polymers</i> , <b>2020</b> , 237, 116116	10.3	8
56	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> , <b>2020</b> , 11, 2395-2405	6.1	9

55	Expression and Characterization of an Alginate Lyase and Its Thermostable Mutant in. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	8
54	Distribution of <i>Vibrio parahaemolyticus</i> ATCC17802 in tissues of adult Pacific oysters ( <i>Crassostrea gigas</i> ) under starvation conditions. <i>Aquaculture</i> , <b>2020</b> , 521, 735051	4.4	3
53	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> , <b>2020</b> , 2, 172-180	4.5	2
52	Partially degraded chitosan-based flocculation to achieve effective deodorization of oyster ( <i>Crassostrea gigas</i> ) hydrolysates. <i>Carbohydrate Polymers</i> , <b>2020</b> , 234, 115948	10.3	6
51	A New Cold-Active Glucose Oxidase From <i>Penicillium</i> : High-Level Expression and Application in Fish Preservation. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 606007	5.7	4
50	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> , <b>2020</b> , 176, 105717	2	2
49	Antimicrobial Peptides: Classification, Design, Application and Research Progress in Multiple Fields. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 582779	5.7	166
48	High-level expression of a thermophilic and acidophilic $\beta$ -mannanase from <i>Aspergillus kawachii</i> IFO 4308 with significant potential in manno oligosaccharide preparation. <i>Bioresource Technology</i> , <b>2020</b> , 295, 122257	11	28
47	Enhancing the expression of recombinant $\beta$ -arrageenase in <i>Pichia pastoris</i> using dual promoters, co-expressing chaperones and transcription factors. <i>Biocatalysis and Biotransformation</i> , <b>2020</b> , 38, 104-113	13.5	4
46	Structure and molecular morphology of a novel moisturizing exopolysaccharide produced by <i>Phyllobacterium</i> sp. 921F. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 135, 998-1005	7.9	8
45	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> , <b>2019</b> , 39, e12652	2	2
44	Purification and characterization of angiotensin I-converting enzyme (ACE) inhibitory peptides with specific structure X-Pro. <i>European Food Research and Technology</i> , <b>2019</b> , 245, 1743-1753	3.4	7
43	Expression, Purification and Characterization of Chondroitinase AC II from Marine Bacterium sp. CS01. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	8
42	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> , <b>2019</b> , 37, 836-847	1.5	13
41	Improving catalytic efficiency and maximum activity at low pH of <i>Aspergillus neoniger</i> phytase using rational design. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 131, 1117-1124	7.9	13
40	Flocculation activity of carp protamine in microalgal cells. <i>Aquaculture</i> , <b>2019</b> , 505, 150-156	4.4	6
39	Cloning and expression of a $\beta$ -mannanase gene from <i>Bacillus</i> sp. MK-2 and its directed evolution by random mutagenesis. <i>Enzyme and Microbial Technology</i> , <b>2019</b> , 124, 70-78	3.8	18
38	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> , <b>2019</b> , 129, 471-476	7.9	3

37	Eco-friendly preparation of chitooligosaccharides 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> , <b>2019</b> , 1, 95-103	4.5	11
36	Nondigestible carbohydrates, butyrate, and butyrate-producing bacteria. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2019</b> , 59, S130-S152	11.5	116
35	Study on the ability of partially hydrolyzed guar gum to modulate the gut microbiota and relieve constipation. <i>Journal of Food Biochemistry</i> , <b>2019</b> , 43, e12715	3.3	13
34	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> , <b>2019</b> , 43, e13854	2.1	2
33	Study on expression and action mode of recombinant alginate lyases based on conserved domains reconstruction. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 807-817	5.7	17
32	Ultrasound-assisted extraction and characterization of anthocyanins from purple corn bran. <i>Journal of Food Processing and Preservation</i> , <b>2018</b> , 42, e13377	2.1	16
31	Genomic analysis of <i>Microbulbifer</i> sp. Q7 exhibiting degradation activity toward seaweed polysaccharides. <i>Marine Genomics</i> , <b>2018</b> , 39, 7-10	1.9	5
30	Expression and Characterization of a New PolyG-Specific Alginate Lyase From Marine Bacterium sp. Q7. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2894	5.7	23
29	Compositional and structural characteristics of sulfated polysaccharide from <i>Enteromorpha prolifera</i> . <i>Carbohydrate Polymers</i> , <b>2017</b> , 165, 221-228	10.3	70
28	Effect of guar gum on stability and physical properties of orange juice. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 565-574	7.9	24
27	Composition and characteristics of continuous enzymatic hydrolysis products from <i>Kappaphycus striatum</i> . <i>Journal of Applied Phycology</i> , <b>2017</b> , 29, 1647-1656	3.2	2
26	Characterization of high yield exopolysaccharide produced by <i>Phyllobacterium</i> sp. 921F exhibiting moisture preserving properties. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 101, 562-568	7.9	17
25	Extracellular expression of a novel $\beta$ galactosidase from <i>Microbulbifer</i> sp. Q7, isolated from the gut of sea cucumber. <i>AMB Express</i> , <b>2017</b> , 7, 220	4.1	19
24	Characterization of Lipopeptide Biosurfactants Produced by MB01 from Marine Sediments. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 871	5.7	39
23	Characterization of Full-Length and Truncated Recombinant $\beta$ Carrageenase Expressed in. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1544	5.7	12
22	Photodynamic effect of curcumin on <i>Vibrio parahaemolyticus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2016</b> , 15, 34-9	3.5	49
21	An effective method for the preparation of carrageenan oligosaccharides directly from <i>Eucheuma cottonii</i> using cellulase and recombinant $\beta$ carrageenase. <i>Algal Research</i> , <b>2016</b> , 15, 93-99	5	17
20	Characterization of flocculating and antimicrobial activity of salmine. <i>Algal Research</i> , <b>2016</b> , 16, 46-53	5	

19	Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides. <i>Foodborne Pathogens and Disease</i> , <b>2015</b> , 12, 360-5	3.8	21
18	Ethanol production from kelp slag hydrolysates using genetically engineered Escherichia coli KO11. <i>Journal of Applied Phycology</i> , <b>2015</b> , 27, 1327-1336	3.2	2
17	Complete nucleotide sequence of Klebsiella phage P13 and prediction of an EPS depolymerase gene. <i>Virus Genes</i> , <b>2015</b> , 50, 118-28	2.3	9
16	Fatty acid profiles of Vibrio parahaemolyticus and its changes with environment. <i>Journal of Basic Microbiology</i> , <b>2015</b> , 55, 112-20	2.7	3
15	Preparation and Characterization of the Enzymatic Degradation Products of the Exopolysaccharide From Klebsiella K13. <i>Journal of Carbohydrate Chemistry</i> , <b>2014</b> , 33, 68-85	1.7	2
14	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> , <b>2014</b> , 187, 34-42	3.7	26
13	Application of bacteriophage-borne enzyme combined with chlorine dioxide on controlling bacterial biofilm. <i>LWT - Food Science and Technology</i> , <b>2014</b> , 59, 1159-1165	5.4	23
12	Properties of Klebsiella phage P13 and associated exopolysaccharide depolymerase. <i>Journal of Ocean University of China</i> , <b>2014</b> , 13, 163-168	1	5
11	Efficient extracellular production of Carrageenase in Escherichia coli: effects of wild-type signal sequence and process conditions on extracellular secretion. <i>Journal of Biotechnology</i> , <b>2014</b> , 185, 8-14	3.7	15
10	A novel whole genome amplification method using type IIS restriction enzymes to create overhangs with random sequences. <i>Journal of Biotechnology</i> , <b>2014</b> , 184, 1-6	3.7	4
9	Molecular cloning, characterization, and heterologous expression of a new Carrageenase gene from marine bacterium Zobellia sp. ZM-2. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 10057-67	5.7	37
8	1-allyl-3-methylimidazolium chloride pretreatment of seaweed industrial waste for bioethanol conversion. <i>Journal of Renewable and Sustainable Energy</i> , <b>2013</b> , 5, 063111	2.5	3
7	PRODUCTION, PURIFICATION AND PROPERTIES OF MANNANASE FROM SOIL BACTERIUM BACILLUS CIRCULANS M-21. <i>Journal of Food Biochemistry</i> , <b>2011</b> , 35, 1451-1460	3.3	10
6	Study on saccharification techniques of seaweed wastes for the transformation of ethanol. <i>Renewable Energy</i> , <b>2011</b> , 36, 84-89	8.1	156
5	Promotive effects of alginate-derived oligosaccharides on the inducing drought resistance of tomato. <i>Journal of Ocean University of China</i> , <b>2009</b> , 8, 303-311	1	22
4	In vitro antioxidative activities of three marine oligosaccharides. <i>Natural Product Research</i> , <b>2007</b> , 21, 646-54	2.3	84
3	STRUCTURAL ANALYSIS OF KAPPA-CARRAGEENAN OLIGOSACCHARIDES RELEASED BY CARRAGEENASE FROM MARINE CYTOPHAGA MCA-2. <i>Journal of Food Biochemistry</i> , <b>2004</b> , 28, 245-260	3.3	22
2	Anti-oxidation of agar oligosaccharides produced by agarase from a marine bacterium. <i>Journal of Applied Phycology</i> , <b>2004</b> , 16, 333-340	3.2	85

1 Application of enzymes as a feed additive in aquaculture. *Marine Life Science and Technology*,1 4.5 1