

# Wanxiu Cao

## 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.

56 papers	889 citations	18 h-index	28 g-index
61 ext. papers	1,193 ext. citations	5.1 avg, IF	4.31 L-index

#	Paper	IF	Citations
56	Fabrication and characterization of core-shell gliadin/tremella polysaccharide nanoparticles for curcumin delivery: Encapsulation efficiency, physicochemical stability and bioaccessibility. <i>Current Research in Food Science</i> , <b>2022</b> , 5, 288-297	5.6	0
55	Fucoxanthin-loaded nanoparticles composed of gliadin and chondroitin sulfate: Synthesis, characterization and stability.. <i>Food Chemistry</i> , <b>2022</b> , 379, 132163	8.5	4
54	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
53	Triacylglycerol rich in docosahexaenoic acid regulated appetite via the mediation of leptin and intestinal epithelial functions in high-fat, high-sugar diet-fed mice. <i>Journal of Nutritional Biochemistry</i> , <b>2022</b> , 99, 108856	6.3	1
52	ED-1,6-glucan from <i>Castanea mollissima</i> Blume alleviates dextran sulfate sodium-induced colitis in vivo.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 289, 119410	10.3	2
51	Enzymatic hydrolysate of porphyra enhances the intestinal mucosal functions in obese mice.. <i>Journal of Food Biochemistry</i> , <b>2022</b> , e14175	3.3	
50	Colon and gut microbiota greatly affect the absorption and utilization of astaxanthin derived from <i>Haematococcus pluvialis</i> . <i>Food Research International</i> , <b>2022</b> , 111324	7	1
49	Evaluation indicators of nutritional quality. <i>Journal of Food Science and Technology</i> , <b>2021</b> , 58, 2943-2951	3.3	5
48	Alginate and its two Components Acted Differently Against Dopaminergic Neuronal Loss in Parkinson's Disease Mice Model. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , e2100739	5.9	0
47	Identification of curcumin as a potential $\alpha$ -glucosidase and dipeptidyl-peptidase 4 inhibitor: Molecular docking study, in vitro and in vivo biological evaluation. <i>Journal of Food Biochemistry</i> , <b>2021</b> , e13686	3.3	1
46	Effects of curcumin-based photodynamic method on protein degradation of oysters. <i>International Journal of Food Science and Technology</i> , <b>2021</b> , 56, 4050-4061	3.8	0
45	Food-grade carrageenans and their implications in health and disease. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2021</b> , 20, 3918-3936	16.4	11
44	Sargassum fusiforme together with turmeric extract and pomegranate peel extract alleviates obesity in high fat-fed C57BL/6J mice. <i>Food and Function</i> , <b>2021</b> , 12, 4654-4669	6.1	1
43	Transcriptome analysis reveals the protective role of fructo-oligosaccharide in colonic mucosal barriers in exercise-induced stressed mice. <i>Food and Function</i> , <b>2021</b> , 12, 4484-4495	6.1	1
42	Drug-guided screening for pancreatic lipase inhibitors in functional foods. <i>Food and Function</i> , <b>2021</b> , 12, 4644-4653	6.1	3
41	Seasonal Variations in Total Lipid and Fatty Acid Composition of <i>Haliotis discus Hannai</i> from Three Different Production Zones. <i>Journal of Aquatic Food Product Technology</i> , <b>2021</b> , 30, 416-425	1.6	1
40	Sun-Dried and Air-Dried Attenuates 5-Fluorouracil-Induced Intestinal Mucositis in Mice. <i>Nutrition and Cancer</i> , <b>2021</b> , 1-9	2.8	0

39	Microbial Composition and Co-occurrence Patterns in the Gut Microbial Community of Normal and Obese Mice in Response to Astaxanthin. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 671271	5.7	1
38	Inactivation of microbes on fruit surfaces using photodynamic therapy and its influence on the postharvest shelf-life of fruits. <i>Food Science and Technology International</i> , <b>2020</b> , 26, 696-705	2.6	5
37	Mechanistic insights into the attenuation of intestinal inflammation and modulation of the gut microbiome by krill oil using in vitro and in vivo models. <i>Microbiome</i> , <b>2020</b> , 8, 83	16.6	26
36	Astaxanthin (ATX) enhances the intestinal mucosal functions in immunodeficient mice. <i>Food and Function</i> , <b>2020</b> , 11, 3371-3381	6.1	10
35	Molecular and Microbial Signatures Predictive of Prebiotic Action of Neoagarotetraose in a Dextran Sulfate Sodium-Induced Murine Colitis Model. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	2
34	Astaxanthin -Octanoic Acid Diester Ameliorates Insulin Resistance and Modulates Gut Microbiota in High-Fat and High-Sucrose Diet-Fed Mice. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	15
33	The role of gut microbiota in the resistance to obesity in mice fed a high fat diet. <i>International Journal of Food Sciences and Nutrition</i> , <b>2020</b> , 71, 453-463	3.7	23
32	Polymannuronic acid prevents dopaminergic neuronal loss via brain-gut-microbiota axis in Parkinson's disease model. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 994-1005	7.9	10
31	Absorbability of Astaxanthin Was Much Lower in Obese Mice Than in Normal Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 11161-11169	5.7	3
30	Malvidin 3-Glucoside Modulated Gut Microbial Dysbiosis and Global Metabolome Disrupted in a Murine Colitis Model Induced by Dextran Sulfate Sodium. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1900455	5.9	13
29	Microbial Co-Occurrence Patterns and Keystone Species in the Gut Microbial Community of Mice in Response to Stress and Chondroitin Sulfate Disaccharide. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	7
28	Mechanism of neoagarotetraose protects against intense exercise-induced liver injury based on molecular ecological network analysis. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2019</b> , 83, 1227-1238	2.1	4
27	Curcumin-mediated photodynamic inactivation (PDI) against DH5 $\alpha$ contaminated in oysters and cellular toxicological evaluation of PDI-treated oysters. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2019</b> , 26, 244-251	3.5	13
26	Effects of curcumin-based photodynamic treatment on the storage quality of fresh-cut apples. <i>Food Chemistry</i> , <b>2019</b> , 274, 415-421	8.5	59
25	DHA-phospholipids (DHA-PL) and EPA-phospholipids (EPA-PL) prevent intestinal dysfunction induced by chronic stress. <i>Food and Function</i> , <b>2019</b> , 10, 277-288	6.1	33
24	Transcriptome analysis revealed anti-obesity effects of the Sodium Alginate in high-fat diet -induced obese mice. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 115, 861-870	7.9	22
23	Comparative Analysis of EPA/DHA-PL Forage and Liposomes in Orotic Acid-Induced Nonalcoholic Fatty Liver Rats and Their Related Mechanisms. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1408-1418	5.7	15
22	Effect of photodynamic inactivation of Escherichia coli by hypericin. <i>World Journal of Microbiology and Biotechnology</i> , <b>2018</b> , 34, 100	4.4	7

21	Transcriptomic analysis reveals effects of fucoxanthin on intestinal glucose transport. <i>Journal of Functional Foods</i> , <b>2018</b> , 49, 205-213	5.1	6
20	Neoagarotetraose protects mice against intense exercise-induced fatigue damage by modulating gut microbial composition and function. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600585	5.9	46
19	Effects of dietary glucocerebrosides from sea cucumber on the brain sphingolipid profiles of mouse models of Alzheimer's disease. <i>Food and Function</i> , <b>2017</b> , 8, 1271-1281	6.1	12
18	Polymannuronic acid ameliorated obesity and inflammation associated with a high-fat and high-sucrose diet by modulating the gut microbiome in a murine model. <i>British Journal of Nutrition</i> , <b>2017</b> , 117, 1332-1342	3.6	32
17	The Protective and Immunomodulatory Effects of Fucoidan Against 7,12-Dimethyl benz[a]anthracene-Induced Experimental Mammary Carcinogenesis Through the PD1/PDL1 Signaling Pathway in Rats. <i>Nutrition and Cancer</i> , <b>2017</b> , 69, 1234-1244	2.8	15
16	Chondroitin sulfate disaccharides modified the structure and function of the murine gut microbiome under healthy and stressed conditions. <i>Scientific Reports</i> , <b>2017</b> , 7, 6783	4.9	40
15	Neoagarotetraose-modulated gut microbiota and alleviated gut inflammation in antibiotic treatment mice. <i>Food and Agricultural Immunology</i> , <b>2017</b> , 28, 1408-1423	2.9	16
14	Dietary fucoidan of <i>Acaudina molpadioides</i> alters gut microbiota and mitigates intestinal mucosal injury induced by cyclophosphamide. <i>Food and Function</i> , <b>2017</b> , 8, 3383-3393	6.1	74
13	Photodynamic action of palmatine hydrochloride on colon adenocarcinoma HT-29 cells. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2016</b> , 15, 53-8	3.5	18
12	Photodynamic effect of curcumin on <i>Vibrio parahaemolyticus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2016</b> , 15, 34-9	3.5	49
11	Palmatine hydrochloride mediated photodynamic inactivation of breast cancer MCF-7 cells: Effectiveness and mechanism of action. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2016</b> , 15, 133-8	3.5	30
10	Virucidal efficacy of treatment with photodynamically activated curcumin on murine norovirus bio-accumulated in oysters. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2015</b> , 12, 385-92	3.5	45
9	Dietary fucoidan of <i>Acaudina molpadioides</i> and its enzymatically degraded fragments could prevent intestinal mucositis induced by chemotherapy in mice. <i>Food and Function</i> , <b>2015</b> , 6, 415-22	6.1	51
8	Dietary squid ink polysaccharides ameliorated the intestinal microflora dysfunction in mice undergoing chemotherapy. <i>Food and Function</i> , <b>2014</b> , 5, 2529-35	6.1	28
7	Identification of five sea cucumber species through PCR-RFLP analysis. <i>Journal of Ocean University of China</i> , <b>2014</b> , 13, 825-829	1	0
6	Effect of Light-Activated Hypocrellin B on the Growth and Membrane Permeability of Gram-Negative <i>Escherichia coli</i> Cells. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-6	2.1	5
5	Detection of noroviruses in shellfish and semiprocessed fishery products from a Belgian seafood company. <i>Journal of Food Protection</i> , <b>2014</b> , 77, 1342-7	2.5	11
4	Dietary squid ink polysaccharide could enhance SIgA secretion in chemotherapeutic mice. <i>Food and Function</i> , <b>2014</b> , 5, 3189-96	6.1	33

3	Antioxidation activities of low-molecular-weight gelatin hydrolysate isolated from the sea cucumber <i>Stichopus japonicus</i> . <i>Journal of Ocean University of China</i> , <b>2010</b> , 9, 94-98	1	22
2	Mechanism of inactivation of murine norovirus-1 by high pressure processing. <i>International Journal of Food Microbiology</i> , <b>2010</b> , 137, 186-9	5.8	53
1	Sequence analysis and quantitative detection of Norwalk-like viruses in cultured oysters of China. <i>Journal of Ocean University of China</i> , <b>2008</b> , 7, 223-227	1	1