

Wanxiu Cao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/992515/publications.pdf>

Version: 2024-02-01

61
papers

1,560
citations

279798

23
h-index

330143

37
g-index

61
all docs

61
docs citations

61
times ranked

1756
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary fucoidan of <i>Acaudina molpadioides</i> alters gut microbiota and mitigates intestinal mucosal injury induced by cyclophosphamide. <i>Food and Function</i> , 2017, 8, 3383-3393.	4.6	123
2	Effects of curcumin-based photodynamic treatment on the storage quality of fresh-cut apples. <i>Food Chemistry</i> , 2019, 274, 415-421.	8.2	86
3	Photodynamic effect of curcumin on <i>Vibrio parahaemolyticus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 15, 34-39.	2.6	75
4	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> , 2015, 6, 415-422.	4.6	73
5	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> , 2020, 8, 83.	11.1	70
6	Neogargarotetraose protects mice against intense exercise-induced fatigue damage by modulating gut microbial composition and function. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600585.	3.3	63
7	DHA-phospholipids (DHA-PL) and EPA-phospholipids (EPA-PL) prevent intestinal dysfunction induced by chronic stress. <i>Food and Function</i> , 2019, 10, 277-288.	4.6	63
8	Mechanism of inactivation of murine norovirus-1 by high pressure processing. <i>International Journal of Food Microbiology</i> , 2010, 137, 186-189.	4.7	58
9	Virucidal efficacy of treatment with photodynamically activated curcumin on murine norovirus bio-accumulated in oysters. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 385-392.	2.6	57
10	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> , 2020, 71, 453-463.	2.8	53
11	Chondroitin sulfate disaccharides modified the structure and function of the murine gut microbiome under healthy and stressed conditions. <i>Scientific Reports</i> , 2017, 7, 6783.	3.3	52
12	Food-grade carrageenans and their implications in health and disease. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 3918-3936.	11.7	46
13	Dietary squid ink polysaccharide could enhance SIgA secretion in chemotherapeutic mice. <i>Food and Function</i> , 2014, 5, 3189-3196.	4.6	41
14	Transcriptome analysis revealed anti-obesity effects of the Sodium Alginate in high-fat diet -induced obese mice. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 861-870.	7.5	39
15	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> , 2017, 117, 1332-1342.	2.3	38
16	Palmitine hydrochloride mediated photodynamic inactivation of breast cancer MCF-7 cells: Effectiveness and mechanism of action. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 15, 133-138.	2.6	36
17	Dietary squid ink polysaccharides ameliorated the intestinal microflora dysfunction in mice undergoing chemotherapy. <i>Food and Function</i> , 2014, 5, 2529-2535.	4.6	34
18	Polymannuronic acid prevents dopaminergic neuronal loss via brain-gut-microbiota axis in Parkinson's disease model. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 994-1005.	7.5	34

#	ARTICLE	IF	CITATIONS
19	Astaxanthin n-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> , 2020, 21, 2149.	4.1	33
20	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> , 2010, 9, 94-98.	1.2	32
21	Astaxanthin (ATX) enhances the intestinal mucosal functions in immunodeficient mice. <i>Food and Function</i> , 2020, 11, 3371-3381.	4.6	30
22	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.	10.2	27
23	Fucoxanthin-loaded nanoparticles composed of gliadin and chondroitin sulfate: Synthesis, characterization and stability. <i>Food Chemistry</i> , 2022, 379, 132163.	8.2	27
24	Photodynamic action of palmatine hydrochloride on colon adenocarcinoma HT-29 cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 15, 53-58.	2.6	24
25	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> , 2017, 69, 1234-1244.	2.0	23
26	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> , 2022, 5, 288-297.	5.8	22
27	Neogargarotetraose-modulated gut microbiota and alleviated gut inflammation in antibiotic treatment mice. <i>Food and Agricultural Immunology</i> , 2017, 28, 1408-1423.	1.4	21
28	Malvidin 3- α -D-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> , 2019, 63, e1900455.	3.3	21
29	Curcumin-mediated photodynamic inactivation (PDI) against DH5 α contaminated in oysters and cellular toxicological evaluation of PDI-treated oysters. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 244-251.	2.6	20
30	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> , 2018, 66, 1408-1418.	5.2	19
31	1,6-galactan from <i>Castanea mollissima</i> Blume alleviates dextran sulfate sodium-induced colitis in vivo. <i>Carbohydrate Polymers</i> , 2022, 289, 119410.	10.2	18
32	Effects of dietary glucocerebrosides from sea cucumber on the brain sphingolipid profiles of mouse models of Alzheimer's disease. <i>Food and Function</i> , 2017, 8, 1271-1281.	4.6	17
33	Effect of photodynamic inactivation of <i>Escherichia coli</i> by hypericin. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 100.	3.6	16
34	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> , 2019, 20, 2130.	4.1	15
35	Detection of Noroviruses in Shellfish and Semiprocessed Fishery Products from a Belgian Seafood Company. <i>Journal of Food Protection</i> , 2014, 77, 1342-1347.	1.7	13
36	Evaluation indicators of <i>Ruditapes philippinarum</i> nutritional quality. <i>Journal of Food Science and Technology</i> , 2021, 58, 2943-2951.	2.8	13

#	ARTICLE	IF	CITATIONS
37	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> , 2020, 26, 696-705.	2.2	12
38	Absorbability of Astaxanthin Was Much Lower in Obese Mice Than in Normal Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11161-11169.	5.2	10
39	Drug-guided screening for pancreatic lipase inhibitors in functional foods. <i>Food and Function</i> , 2021, 12, 4644-4653.	4.6	10
40	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> , 2014, 2014, 1-6.	2.5	8
41	Transcriptomic analysis reveals effects of fucoxanthin on intestinal glucose transport. <i>Journal of Functional Foods</i> , 2018, 49, 205-213.	3.4	8
42	<i>Sargassum fusiforme</i> together with turmeric extract and pomegranate peel extract alleviates obesity in high fat-fed C57BL/6J mice. <i>Food and Function</i> , 2021, 12, 4654-4669.	4.6	8
43	Identification of curcumin as a potential α -glucosidase and dipeptidyl-peptidase 4 inhibitor: Molecular docking study, in vitro and in vivo biological evaluation. <i>Journal of Food Biochemistry</i> , 2022, 46, e13686.	2.9	8
44	Colon and gut microbiota greatly affect the absorption and utilization of astaxanthin derived from <i>Haematococcus pluvialis</i> . <i>Food Research International</i> , 2022, 156, 111324.	6.2	8
45	Molecular and Microbial Signatures Predictive of Prebiotic Action of Neoagarotetraose in a Dextran Sulfate Sodium-Induced Murine Colitis Model. <i>Microorganisms</i> , 2020, 8, 995.	3.6	7
46	The risk of carrageenan-induced colitis is exacerbated under high-sucrose/high-salt diet. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 475-482.	7.5	7
47	Mechanism of neoagarotetraose protects against intense exercise-induced liver injury based on molecular ecological network analysis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1227-1238.	1.3	6
48	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> , 2021, 99, 108856.	4.2	6
49	Seasonal Variations in Total Lipid and Fatty Acid Composition of <i>Haliotis discus</i> Hannai from Three Different Production Zones. <i>Journal of Aquatic Food Product Technology</i> , 2021, 30, 416-425.	1.4	5
50	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> , 2021, 12, 671271.	3.5	5
51	Alginate and its Two Components Acted Differently Against Dopaminergic Neuronal Loss in Parkinson's Disease Mice Model. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100739.	3.3	5
52	Effects of curcumin-mediated photodynamic treatment on lipid degradation of oysters during refrigerated storage. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 1978-1986.	3.5	4
53	Identification of five sea cucumber species through PCR-RFLP analysis. <i>Journal of Ocean University of China</i> , 2014, 13, 825-829.	1.2	3
54	Transcriptome analysis reveals the protective role of fructo-oligosaccharide in colonic mucosal barriers in exercise-induced stressed mice. <i>Food and Function</i> , 2021, 12, 4484-4495.	4.6	2

#	ARTICLE	IF	CITATIONS
55	Effects of curcuminâ€based photodynamic method on protein degradation of oysters. International Journal of Food Science and Technology, 2021, 56, 4050-4061.	2.7	2
56	Sequence analysis and quantitative detection of Norwalk-like viruses in cultured oysters of China. Journal of Ocean University of China, 2008, 7, 223-227.	1.2	1
57	Sun-Dried and Air-Dried <i>Kappaphycus alvarezii</i> Attenuates 5-Fluorouracil-Induced Intestinal Mucositis in Mice. Nutrition and Cancer, 2021, , 1-9.	2.0	1
58	The improvement effect of astaxanthin-loaded emulsions on obesity is better than that of astaxanthin in the oil phase. Food and Function, 2022, 13, 3720-3731.	4.6	1
59	Effects of curcuminâ€based photodynamic treatment combined with lowâ€temperature storage on shelf life and purine content of <i>Litopenaeus vannamei</i> . Journal of Food Processing and Preservation, 2022, 46, .	2.0	1
60	Enzymatic hydrolysate of porphyra enhances the intestinal mucosal functions in obese mice. Journal of Food Biochemistry, 2022, , e14175.	2.9	0
61	<i>Kappaphycus Alvarezii</i> Compound Powder Prevents Chemotherapy-Induced Intestinal Mucositis in BALB/c Mice. Nutrition and Cancer, 0, , 1-12.	2.0	0