

Jian-Ping Luo

List of Publications by Year in Descending Order

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Version: 2024-04-17

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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.

74
papers

2,130
citations

29
h-index

44
g-index

79
ext. papers

2,814
ext. citations

6.5
avg, IF

5.15
L-index

#	Paper	IF	Citations
74	Polysaccharide Suppresses Atherosclerosis via Regulating Autophagy-Mediated Macrophage Polarization.. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	3
73	The nanomicelles consisting of lotus root amylopectin and quinoa protein: Construction and encapsulation for quercetin.. <i>Food Chemistry</i> , 2022 , 387, 132924	8.5	1
72	Co-encapsulation systems for delivery of bioactive ingredients.. <i>Food Research International</i> , 2022 , 155, 111073	7	1
71	Physicochemical characterization and hypoglycemic potential of a novel polysaccharide from <i>Polygonatum sibiricum</i> Red through PI3K/Akt mediated signaling pathway. <i>Journal of Functional Foods</i> , 2022 , 93, 105080	5.1	2
70	<i>Dendrobium officinale</i> polysaccharide promotes M1 polarization of TAMs to inhibit tumor growth by targeting TLR2. <i>Carbohydrate Polymers</i> , 2022 , 292, 119683	10.3	0
69	Physicochemical, morpho-structural, and biological characterization of polysaccharides from three spp.. <i>RSC Advances</i> , 2021 , 11, 37952-37965	3.7	2
68	Hook polysaccharide ameliorates dextran-sodium-sulfate-induced colitis in mice improving intestinal barrier function, modulating intestinal microbiota, and reducing oxidative stress and inflammatory responses. <i>Food and Function</i> , 2021 ,	6.1	8
67	Anti-gastric cancer activity of cultivated <i>Dendrobium huoshanense</i> stem polysaccharide in tumor-bearing mice: Effects of molecular weight and O-acetyl group. <i>International Journal of Biological Macromolecules</i> , 2021 , 192, 590-599	7.9	1
66	<i>Dendrobium huoshanense</i> stem polysaccharide ameliorates rheumatoid arthritis in mice via inhibition of inflammatory signaling pathways. <i>Carbohydrate Polymers</i> , 2021 , 258, 117657	10.3	8
65	<i>Polygonatum cyrtoneuma</i> Hua polysaccharide exhibits anti-fatigue activity via regulating osteocalcin signaling. <i>International Journal of Biological Macromolecules</i> , 2021 , 175, 235-241	7.9	9
64	Bioactivity-guided investigation for isolation and immunoregulatory potential of polysaccharides from <i>Dendrobium chrysotoxum</i> stems. <i>Process Biochemistry</i> , 2021 , 104, 124-131	4.8	2
63	Structural characterization and hepatoprotective activity of a galactoglucan from <i>Poria cocos</i> . <i>Carbohydrate Polymers</i> , 2021 , 263, 117979	10.3	9
62	Research progress on polysaccharide/protein hydrogels: Preparation method, functional property and application as delivery systems for bioactive ingredients. <i>Food Research International</i> , 2021 , 147, 110542	7	10
61	Hydrophobic interaction and hydrogen bonding driving the self-assembling of quinoa protein and flavonoids. <i>Food Hydrocolloids</i> , 2021 , 118, 106807	10.6	6
60	Encapsulation of luteolin using oxidized lotus root starch nanoparticles prepared by anti-solvent precipitation. <i>Carbohydrate Polymers</i> , 2021 , 273, 118552	10.3	2
59	<i>Laminaria japonica</i> polysaccharide prevents high-fat-diet-induced insulin resistance in mice via regulating gut microbiota. <i>Food and Function</i> , 2021 , 12, 5260-5273	6.1	3
58	Structural characteristics and immunostimulatory activities of a new polysaccharide from <i>Dendrobium fimbriatum</i> Hook. <i>Food and Function</i> , 2021 , 12, 3057-3068	6.1	3

57	Hua Polysaccharide Promotes GLP-1 Secretion from Enteroendocrine L-Cells through Sweet Taste Receptor-Mediated cAMP Signaling. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 6864-6872	5.7	16
56	The hydrogel of whey protein isolate coated by lotus root amylopectin enhance the stability and bioavailability of quercetin. <i>Carbohydrate Polymers</i> , 2020 , 236, 116009	10.3	21
55	Prevention and possible mechanism of a purified Laminaria japonica polysaccharide on adriamycin-induced acute kidney injury in mice. <i>International Journal of Biological Macromolecules</i> , 2020 , 148, 591-600	7.9	11
54	Encapsulation and sustained release of curcumin by a composite hydrogel of lotus root amylopectin and chitosan. <i>Carbohydrate Polymers</i> , 2020 , 232, 115810	10.3	30
53	Structural features and anti-gastric cancer activity of polysaccharides from stem, root, leaf and flower of cultivated Dendrobium huoshanense. <i>International Journal of Biological Macromolecules</i> , 2020 , 143, 651-664	7.9	24
52	Effects of tea polyphenol ester with different fatty acid chain length on camellia oil-based oleogels preparation and its effects on cookies properties. <i>Journal of Food Science</i> , 2020 , 85, 2461-2469	3.4	2
51	Structural features of an acidic polysaccharide with the potential of promoting osteoblast differentiation from Murr. <i>Natural Product Research</i> , 2020 , 34, 2249-2254	2.3	14
50	Anti-inflammatory bibenzyls from the stems of via bioassay guided isolation. <i>Natural Product Research</i> , 2020 , 34, 563-566	2.3	13
49	Stability and bioavailability of vitamin D3 encapsulated in composite gels of whey protein isolate and lotus root amylopectin. <i>Carbohydrate Polymers</i> , 2020 , 227, 115337	10.3	23
48	Dendrobium huoshanense polysaccharide regulates intestinal lamina propria immune response by stimulation of intestinal epithelial cells via toll-like receptor 4. <i>Carbohydrate Polymers</i> , 2019 , 222, 115028	10.3	15
47	Emulsifying and physicochemical properties of lotus root amylopectin-whey protein isolate conjugates. <i>LWT - Food Science and Technology</i> , 2019 , 111, 345-354	5.4	2
46	Renoprotective Effect of Polysaccharide in Adenine-Induced Chronic Renal Failure. <i>Molecules</i> , 2019 , 24,	4.8	13
45	Dendrobium huoshanense polysaccharide regulates hepatic glucose homeostasis and pancreatic β cell function in type 2 diabetic mice. <i>Carbohydrate Polymers</i> , 2019 , 211, 39-48	10.3	41
44	Pomegranate juice powder as sugar replacer enhanced quality and function of set yogurts: Structure, rheological property, antioxidant activity and in vitro bioaccessibility. <i>LWT - Food Science and Technology</i> , 2019 , 115, 108479	5.4	29
43	Effects of calcium or sodium ions on the properties of whey protein isolate-lotus root amylopectin composite gel. <i>Food Hydrocolloids</i> , 2019 , 87, 629-636	10.6	29
42	Dendrobium huoshanense polysaccharide regionally regulates intestinal mucosal barrier function and intestinal microbiota in mice. <i>Carbohydrate Polymers</i> , 2019 , 206, 149-162	10.3	71
41	Polysaccharides from Dendrobium huoshanense stems alleviates lung inflammation in cigarette smoke-induced mice. <i>Carbohydrate Polymers</i> , 2018 , 189, 289-295	10.3	32
40	Comparison of rheological properties of dough and antistaling characteristics of Chinese Steamed Bread containing β glucan from yeast or oat. <i>Cereal Chemistry</i> , 2018 , 95, 149-157	2.4	3

39	Laminaria japonica Polysaccharide Inhibits Vascular Calcification via Preventing Osteoblastic Differentiation of Vascular Smooth Muscle Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 1821-1827	5.7	13
38	Renoprotective effect of Chinese chive polysaccharides in adenine-induced chronic renal failure. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 988-993	7.9	15
37	Digestive behavior of Dendrobium huoshanense polysaccharides in the gastrointestinal tracts of mice. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 825-832	7.9	18
36	Sulfated Laminaria japonica polysaccharides inhibit macrophage foam cell formation. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 857-861	7.9	12
35	Structure elucidation of a pectin from Dendrobium nobile Lindl. and its immunological activity. <i>Biotechnology and Biotechnological Equipment</i> , 2018 , 32, 744-750	1.6	6
34	Alleviating VLDL overproduction is an important mechanism for Laminaria japonica polysaccharide to inhibit atherosclerosis in LDLr mice with diet-induced insulin resistance. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600456	5.9	12
33	Structural characterization and immunomodulatory activity of a new polysaccharide from jellyfish. <i>Carbohydrate Polymers</i> , 2017 , 159, 188-194	10.3	51
32	The effects of lotus root amylopectin on the formation of whey protein isolate gels. <i>Carbohydrate Polymers</i> , 2017 , 175, 721-727	10.3	31
31	The core structure of a Dendrobium huoshanense polysaccharide required for the inhibition of human lens epithelial cell apoptosis. <i>Carbohydrate Polymers</i> , 2017 , 155, 252-260	10.3	25
30	Structural Analysis and Immuno-Stimulating Activity of an Acidic Polysaccharide from the Stems of Dendrobium nobile Lindl. <i>Molecules</i> , 2017 , 22,	4.8	14
29	Polysaccharide of Dendrobium huoshanense activates macrophages via toll-like receptor 4-mediated signaling pathways. <i>Carbohydrate Polymers</i> , 2016 , 146, 292-300	10.3	81
28	Variation of Ginsenosides in Ginseng of Different Ages. <i>Natural Product Communications</i> , 2016 , 11, 1934578X1601100	5.7	100
27	A new kinetic model of ultrasound-assisted extraction of polysaccharides from Chinese chive. <i>Food Chemistry</i> , 2016 , 212, 274-81	8.5	36
26	Intestinal immunomodulating activity and structural characterization of a new polysaccharide from stems of Dendrobium officinale. <i>Food and Function</i> , 2016 , 7, 2789-99	6.1	43
25	Dendrobium huoshanense polysaccharide prevents ethanol-induced liver injury in mice by metabolomic analysis. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 354-62	7.9	40
24	Purification, structure features and anti-atherosclerosis activity of a Laminaria japonica polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 926-35	7.9	17
23	Immunomodulatory activity on macrophage of a purified polysaccharide extracted from Laminaria japonica. <i>Carbohydrate Polymers</i> , 2015 , 134, 66-73	10.3	100
22	Structure and bioactivity of a polysaccharide extracted from protocorm-like bodies of Dendrobium huoshanense. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 664-72	7.9	42

21	Molecular mechanism of a new Laminaria japonica polysaccharide on the suppression of macrophage foam cell formation via regulating cellular lipid metabolism and suppressing cellular inflammation. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 2008-21	5.9	29
20	A polysaccharide from prevents hepatic inflammatory response caused by carbon tetrachloride. <i>Biotechnology and Biotechnological Equipment</i> , 2015 , 29, 132-138	1.6	35
19	Structural identification and immunostimulating activity of a Laminaria japonica polysaccharide. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 429-38	7.9	45
18	The effects of daily supplementation of Dendrobium huoshanense polysaccharide on ethanol-induced subacute liver injury in mice by proteomic analysis. <i>Food and Function</i> , 2014 , 5, 2020-35	6.1	30
17	Jellyfish skin polysaccharides: extraction and inhibitory activity on macrophage-derived foam cell formation. <i>Carbohydrate Polymers</i> , 2014 , 106, 393-402	10.3	19
16	Comparison of hypoglycemic and antioxidative effects of polysaccharides from four different Dendrobium species. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 420-7	7.9	129
15	Structural identification and sulfated modification of an antiglycation Dendrobium huoshanense polysaccharide. <i>Carbohydrate Polymers</i> , 2014 , 106, 247-54	10.3	59
14	Immunoregulatory activities of Dendrobium huoshanense polysaccharides in mouse intestine, spleen and liver. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 377-82	7.9	36
13	STRUCTURAL CHARACTERIZATION AND ANTI-GLYCATION ACTIVITY IN VITRO OF A WATER-SOLUBLE POLYSACCHARIDE FROM DENDROBIUM HUOSHANENSE. <i>Journal of Food Biochemistry</i> , 2013 , 37, 313-321	3.3	29
12	Structural characterization and antioxidant activity of a low-molecular polysaccharide from Dendrobium huoshanense. <i>Floterap</i> , 2013 , 91, 247-255	3.2	44
11	Polysaccharides in Laminaria japonica (LP): Extraction, physicochemical properties and their hypolipidemic activities in diet-induced mouse model of atherosclerosis. <i>Food Chemistry</i> , 2012 , 134, 244-252	8.5	102
10	Hydrogen sulfide protects soybean seedlings against drought-induced oxidative stress. <i>Acta Physiologiae Plantarum</i> , 2010 , 32, 849-857	2.6	113
9	An acetylated galactomannoglucan from the stems of Dendrobium nobile Lindl. <i>Carbohydrate Research</i> , 2010 , 345, 1023-7	2.9	43
8	Structural features of a pectic polysaccharide from the stems of Dendrobium nobile Lindl. <i>Carbohydrate Polymers</i> , 2010 , 81, 1-7	10.3	51
7	Hydrogen sulfide counteracts chlorophyll loss in sweetpotato seedling leaves and alleviates oxidative damage against osmotic stress. <i>Plant Growth Regulation</i> , 2009 , 58, 243-250	3.2	135
6	Mechanism of Polysaccharides from Dendrobium huoshanense. on Streptozotocin-Induced Diabetic Cataract. <i>Pharmaceutical Biology</i> , 2008 , 46, 243-249	3.8	42
5	Micropropagation of Dendrobium densiflorum Lindl. ex Wall. through protocorm-like bodies: effects of plant growth regulators and lanthanoids. <i>Plant Cell, Tissue and Organ Culture</i> , 2008 , 93, 333-340	2.7	27
4	Induction of Immunomodulating Cytokines by Polysaccharides from Dendrobium huoshanense.. <i>Pharmaceutical Biology</i> , 2007 , 45, 71-76	3.8	19

- 3 Structure identification of a new immunostimulating polysaccharide from the stems of *Dendrobium huoshanense*. *Carbohydrate Polymers*, **2007**, 69, 86-93 10.3 113
- 2 Selection of ethionine-resistant variants with increased accumulation of methionine from embryogenic protoplasts of the forage legume *Astragalus adsurgens*. *Plant Cell, Tissue and Organ Culture*, **2005**, 82, 75-81 2.7 1
- 1 Cold-enhanced somatic embryogenesis in cell suspension cultures of *Astragalus adsurgens* Pall.: relationship with exogenous calcium during cold pretreatment. *Plant Growth Regulation*, **2003**, 40, 171-177 3.2 8