

Shuang Song

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.

70
papers

1,094
citations

19
h-index

28
g-index

75
ext. papers

1,608
ext. citations

6.5
avg, IF

4.77
L-index

#	Paper	IF	Citations
70	An acidic polysaccharide from <i>Patinopecten yessoensis</i> skirt prevents obesity and improves gut microbiota and metabolism of mice induced by high-fat diet.. <i>Food Research International</i> , 2022 , 154, 110980	7	1
69	Structural characterization and SARS-CoV-2 inhibitory activity of a sulfated polysaccharide from <i>Caulerpa lentillifera</i> .. <i>Carbohydrate Polymers</i> , 2022 , 280, 119006	10.3	3
68	Responses of the gut microbiota and metabolite profiles to sulfated polysaccharides from sea cucumber in humanized microbiota mice.. <i>Food and Function</i> , 2022 , 13, 4171-4183	6.1	0
67	Preparation of Low-Molecular-Weight Fucoidan with Anticoagulant Activity by Photocatalytic Degradation Method.. <i>Foods</i> , 2022 , 11,	4.9	3
66	Fabrication of astaxanthin-enriched colon-targeted alginate microspheres and its beneficial effect on dextran sulfate sodium-induced ulcerative colitis in mice.. <i>International Journal of Biological Macromolecules</i> , 2022 , 205, 396-409	7.9	2
65	Marine Bioactive Compounds as Nutraceutical and Functional Food Ingredients for Potential Oral Health.. <i>Frontiers in Nutrition</i> , 2021 , 8, 686663	6.2	1
64	Chitosan and Derivatives: Bioactivities and Application in Foods. <i>Annual Review of Food Science and Technology</i> , 2021 , 12, 407-432	14.7	8
63	Health effects of dietary sulfated polysaccharides from seafoods and their interaction with gut microbiota. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 2882-2913	16.4	15
62	Sulfated polysaccharides from <i>Undaria pinnatifida</i> improved high fat diet-induced metabolic syndrome, gut microbiota dysbiosis and inflammation in BALB/c mice. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 1587-1597	7.9	20
61	Interaction of sulfated polysaccharides with intestinal Bacteroidales plays an important role in its biological activities. <i>International Journal of Biological Macromolecules</i> , 2021 , 168, 496-506	7.9	5
60	Galactofucan from <i>Laminaria japonica</i> is not degraded by the human digestive system but inhibits pancreatic lipase and modifies the intestinal microbiota. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 611-620	7.9	6
59	An arabinogalactan from attenuates DSS-induced chronic colitis in C57BL/6J mice associated with the modulation of intestinal barrier function and gut microbiota. <i>Food and Function</i> , 2021 , 12, 9829-9843	6.1	10
58	Sulfated polysaccharides from pacific abalone attenuated DSS-induced acute and chronic ulcerative colitis in mice regulating intestinal micro-ecology and the NF- κ B pathway. <i>Food and Function</i> , 2021 , 12, 11351-11365	6.1	5
57	Low-molecular alginate improved diet-induced obesity and metabolic syndrome through modulating the gut microbiota in BALB/c mice. <i>International Journal of Biological Macromolecules</i> , 2021 , 187, 811-820	7.9	9
56	Gut microbiota response to sulfated sea cucumber polysaccharides in a differential manner using an in vitro fermentation model. <i>Food Research International</i> , 2021 , 148, 110562	7	5
55	Fucoidan hydrogels induced by Ectarrageenan: Rheological, thermal and structural characterization. <i>International Journal of Biological Macromolecules</i> , 2021 , 191, 514-520	7.9	4
54	Enhanced Cytotoxicity of Cadmium by a Sulfated Polysaccharide from Abalone. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 14996-15004	5.7	5

53	Fucoidan isolated from <i>Ascophyllum nodosum</i> alleviates gut microbiota dysbiosis and colonic inflammation in antibiotic-treated mice. <i>Food and Function</i> , 2020 , 11, 5595-5606	6.1	8
52	Structural characterization and immunostimulatory activity of a glucan from <i>Cyclina sinensis</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 779-786	7.9	9
51	Preparation, structural characterization, and bioactivity of PHPD-IV-4 derived from <i>Porphyra haitanensis</i> . <i>Food Chemistry</i> , 2020 , 329, 127042	8.5	5
50	Fucoxanthin alleviates palmitate-induced inflammation in RAW 264.7 cells through improving lipid metabolism and attenuating mitochondrial dysfunction. <i>Food and Function</i> , 2020 , 11, 3361-3370	6.1	14
49	Anti-inflammatory activity and structural identification of a sulfated polysaccharide CLGP4 from <i>Caulerpa lentillifera</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 931-938	7.9	25
48	Oligosaccharides from <i>Gracilaria lemaneiformis</i> better attenuated high fat diet-induced metabolic syndrome by promoting the Bacteroidales proliferation. <i>Food and Function</i> , 2020 , 11, 1049-1062	6.1	7
47	Preparation of chondroitin sulfates with different molecular weights from bovine nasal cartilage and their antioxidant activities. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 1047-1055	7.9	13
46	Characterization and digestion features of a novel polysaccharide-Fe(III) complex as an iron supplement. <i>Carbohydrate Polymers</i> , 2020 , 249, 116812	10.3	10
45	Effect of sulfate group on sulfated polysaccharides-induced improvement of metabolic syndrome and gut microbiota dysbiosis in high fat diet-fed mice. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 2062-2072	7.9	11
44	Arabinogalactan derived from <i>Lycium barbarum</i> fruit inhibits cancer cell growth via cell cycle arrest and apoptosis. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 639-650	7.9	16
43	Inhibitory activities of marine sulfated polysaccharides against SARS-CoV-2. <i>Food and Function</i> , 2020 , 11, 7415-7420	6.1	72
42	Structural Features and Digestive Behavior of Fucosylated Chondroitin Sulfate from Sea Cucumbers. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10534-10542	5.7	13
41	Mass Spectrometry Analysis of Changes in Human Milk β -Glycopatterns at Different Lactation Stages. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 10702-10712	5.7	10
40	Preparation, structural characterization and bioactivity of 4-O-Methylglucuronoxylan from <i>Artemisia sphaerocephala</i> Krasch. <i>Carbohydrate Polymers</i> , 2019 , 222, 115009	10.3	8
39	Structural characterization and anticoagulant activity of two polysaccharides from <i>Patinopecten yessoensis</i> viscera. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 579-585	7.9	11
38	<i>Lycium barbarum</i> polysaccharides extend the mean lifespan of <i>Drosophila melanogaster</i> . <i>Food and Function</i> , 2019 , 10, 4231-4241	6.1	20
37	Effect of ϵ -polylysine addition on κ -carrageenan gel properties: Rheology, water mobility, thermal stability and microstructure. <i>Food Hydrocolloids</i> , 2019 , 95, 212-218	10.6	24
36	The effects of amino acids on the gel properties of potassium iota carrageenan. <i>Food Hydrocolloids</i> , 2019 , 95, 378-384	10.6	10

35	Physicochemical properties, antioxidant activity and immunological effects in vitro of polysaccharides from <i>Schisandra sphenanthera</i> and <i>Schisandra chinensis</i> . <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 744-751	7.9	20
34	Effect of intake pattern of sulfated polysaccharides on its biological activity in high fat diet-fed mice. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 9-16	7.9	13
33	A sulfated polysaccharide from abalone influences iron uptake by the contrary impacts of its chelating and reducing activities. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 49-56	7.9	7
32	A strategy to identify mixed polysaccharides through analyzing the monosaccharide composition of disaccharides released by graded acid hydrolysis. <i>Carbohydrate Polymers</i> , 2019 , 223, 115046	10.3	7
31	Polysaccharides from <i>Laminaria japonica</i> alleviated metabolic syndrome in BALB/c mice by normalizing the gut microbiota. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 996-1004	7.9	40
30	The combination between cations and sulfated polysaccharide from abalone gonad (<i>Haliotis discus hannai</i> Ino). <i>Carbohydrate Polymers</i> , 2018 , 188, 54-59	10.3	27
29	Impact of acidic, water and alkaline extraction on structural features, antioxidant activities of <i>Laminaria japonica</i> polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 985-995	7.9	68
28	The beneficial effects of <i>Gracilaria lemaneiformis</i> polysaccharides on obesity and the gut microbiota in high fat diet-fed mice. <i>Journal of Functional Foods</i> , 2018 , 46, 48-56	5.1	43
27	Compositional analysis of sulfated polysaccharides from sea cucumber (<i>Stichopus japonicus</i>) released by autolysis reaction. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 420-425	7.9	4
26	Characterization and comparison of acidic polysaccharide populations in <i>Atrina pectinata</i> individuals. <i>Journal of Carbohydrate Chemistry</i> , 2018 , 37, 117-127	1.7	1
25	Development and application of a HPLC-MS/MS method for quantitation of fucosylated chondroitin sulfate and fucoidan in sea cucumbers. <i>Carbohydrate Research</i> , 2018 , 466, 11-17	2.9	12
24	Sulfated polysaccharide from sea cucumber modulates the gut microbiota and its metabolites in normal mice. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 502-512	7.9	31
23	Quantitative Analysis of Acidic Polysaccharides Using Hydrophilic Interaction Chromatography and Mass Spectrometry after Acid Hydrolysis. <i>Current Pharmaceutical Analysis</i> , 2018 , 14, 443-449	0.6	1
22	Purification, structural features and immunostimulatory activity of novel polysaccharides from <i>Caulerpa lentillifera</i> . <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 314-323	7.9	41
21	Structural characterization and osteogenic bioactivity of a sulfated polysaccharide from pacific abalone (<i>Haliotis discus hannai</i> Ino). <i>Carbohydrate Polymers</i> , 2018 , 182, 207-214	10.3	33
20	Sulfated Polysaccharide from Sea Cucumber and its Depolymerized Derivative Prevent Obesity in Association with Modification of Gut Microbiota in High-Fat Diet-Fed Mice. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800446	5.9	71
19	Distribution analysis of polysaccharides comprised of uronic acid-hexose/hexosamine repeating units in various shellfish species. <i>Glycoconjugate Journal</i> , 2018 , 35, 537-545	3	4
18	Sulfated polysaccharides from pacific abalone reduce diet-induced obesity by modulating the gut microbiota. <i>Journal of Functional Foods</i> , 2018 , 47, 211-219	5.1	33

17	Stress resistance and lifespan extension of <i>Caenorhabditis elegans</i> enhanced by peptides from mussel (<i>Mytilus edulis</i>) protein hydrolyzate. <i>Food and Function</i> , 2018 , 9, 3313-3320	6.1	11
16	Distribution of uronic acid-containing polysaccharides in 5 species of shellfishes. <i>Carbohydrate Polymers</i> , 2017 , 164, 195-199	10.3	11
15	Characterization the carotenoid productions and profiles of three <i>Rhodospiridium toruloides</i> mutants from <i>Agrobacterium tumefaciens</i> -mediated transformation. <i>Yeast</i> , 2017 , 34, 335-342	3.4	15
14	Absorption and degradation of sulfated polysaccharide from pacific abalone in in vitro and in vivo models. <i>Journal of Functional Foods</i> , 2017 , 35, 127-133	5.1	23
13	Identification and quantification of uronic acid-containing polysaccharides in tissues of Russian sturgeon (<i>Acipenser gueldenstaedtii</i>) by HPLCMS/MS and HPLCMSn. <i>European Food Research and Technology</i> , 2017 , 243, 1201-1209	3.4	3
12	Characteristic oligosaccharides released from acid hydrolysis for the structural analysis of chondroitin sulfate. <i>Carbohydrate Research</i> , 2017 , 449, 114-119	2.9	17
11	Quantification and comparison of acidic polysaccharides in edible fish intestines and livers using HPLC-MS/MS. <i>Glycoconjugate Journal</i> , 2017 , 34, 625-632	3	10
10	Mass Spectrometric Analysis of N-Glycoforms of Soybean Allergenic Glycoproteins Separated by SDS-PAGE. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 7367-7376	5.7	13
9	Quick characterization of uronic acid-containing polysaccharides in 5 shellfishes by oligosaccharide analysis upon acid hydrolysis. <i>Carbohydrate Research</i> , 2016 , 435, 149-155	2.9	6
8	Anticoagulant Activity and Structural Characterization of Polysaccharide from Abalone (<i>Haliotis discus hannai</i> Ino) Gonad. <i>Molecules</i> , 2016 , 21,	4.8	15
7	Simultaneous Recovery of Protein and Polysaccharide from Abalone (<i>Haliotis discus hannai</i> Ino) Gonad Using Enzymatic Hydrolysis Method. <i>Journal of Food Processing and Preservation</i> , 2016 , 40, 119-130 ¹	2.1	4
6	Effects of abalone (<i>Haliotis discus hannai</i> Ino) gonad polysaccharides on cholecystokinin release in STC-1 cells and its signaling mechanism. <i>Carbohydrate Polymers</i> , 2016 , 151, 268-273	10.3	12
5	Characterization of acidic polysaccharides from the mollusks through acid hydrolysis. <i>Carbohydrate Polymers</i> , 2015 , 130, 268-74	10.3	21
4	Comparison of polysaccharides of <i>Haliotis discus hannai</i> and <i>Volutharpa ampullacea perryi</i> by PMP-HPLC-MS(n) analysis upon acid hydrolysis. <i>Carbohydrate Research</i> , 2015 , 415, 48-53	2.9	21
3	Structural investigation of a uronic acid-containing polysaccharide from abalone by graded acid hydrolysis followed by PMP-HPLC-MSn and NMR analysis. <i>Carbohydrate Research</i> , 2015 , 402, 95-101	2.9	47
2	Effects of heating conditions on fatty acids and volatile compounds in foot muscle of abalone <i>Haliotis discus hannai</i> Ino. <i>Fisheries Science</i> , 2014 , 80, 1097-1107	1.9	12
1	Effect of pH on the physicochemical and heat-induced gel properties of scallop <i>Patinopecten yessoensis</i> actomyosin. <i>Fisheries Science</i> , 2014 , 80, 1073-1082	1.9	7