Shuang Song

List of Publications by Citations

70	1,094	19	28
papers	citations	h-index	g-index
75	1,608	6.5	4.77
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
70	Inhibitory activities of marine sulfated polysaccharides against SARS-CoV-2. *Food and Function*, **2020**, 11, 7415-7420	6.1	72
69	Sulfated Polysaccharide from Sea Cucumber and its Depolymerized Derivative Prevent Obesity in Association with Modification of Gut Microbiota in High-Fat Diet-Fed Mice. *Molecular Nutrition and Food Research*, **2018**, 62, e1800446	5.9	71
68	Impact of acidic, water and alkaline extraction on structural features, antioxidant activities of Laminaria japonica polysaccharides. *International Journal of Biological Macromolecules*, **2018**, 112, 985-995	7.9	68
67	Structural investigation of a uronic acid-containing polysaccharide from abalone by graded acid hydrolysis followed by PMP-HPLC-MSn and NMR analysis. *Carbohydrate Research*, **2015**, 402, 95-101	2.9	47
66	The beneficial effects of Gracilaria lemaneiformis polysaccharides on obesity and the gut microbiota in high fat diet-fed mice. *Journal of Functional Foods*, **2018**, 46, 48-56	5.1	43
65	Purification, structural features and immunostimulatory activity of novel polysaccharides from Caulerpa lentillifera. *International Journal of Biological Macromolecules*, **2018**, 108, 314-323	7.9	41
64	Polysaccharides from Laminaria japonica alleviated metabolic syndrome in BALB/c mice by normalizing the gut microbiota. *International Journal of Biological Macromolecules*, **2019**, 121, 996-1004	7.9	40
63	Structural characterization and osteogenic bioactivity of a sulfated polysaccharide from pacific abalone (Haliotis discus hannai Ino). *Carbohydrate Polymers*, **2018**, 182, 207-214	10.3	33
62	Sulfated polysaccharides from pacific abalone reduce diet-induced obesity by modulating the gut microbiota. *Journal of Functional Foods*, **2018**, 47, 211-219	5.1	33
61	Sulfated polysaccharide from sea cucumber modulates the gut microbiota and its metabolites in normal mice. *International Journal of Biological Macromolecules*, **2018**, 120, 502-512	7.9	31
60	The combination between cations and sulfated polysaccharide from abalone gonad (Haliotis discus hannai Ino). *Carbohydrate Polymers*, **2018**, 188, 54-59	10.3	27
59	Anti-inflammatory activity and structural identification of a sulfated polysaccharide CLGP4 from Caulerpa lentillifera. *International Journal of Biological Macromolecules*, **2020**, 146, 931-938	7.9	25
58	Effect of ε-polylysine addition on κ-carrageenan gel properties: Rheology, water mobility, thermal stability and microstructure. *Food Hydrocolloids*, **2019**, 95, 212-218	10.6	24
57	Absorption and degradation of sulfated polysaccharide from pacific abalone in in vitro and in vivo models. *Journal of Functional Foods*, **2017**, 35, 127-133	5.1	23
56	Characterization of acidic polysaccharides from the mollusks through acid hydrolysis. *Carbohydrate Polymers*, **2015**, 130, 268-74	10.3	21
55	Comparison of polysaccharides of Haliotis discus hannai and Volutharpa ampullacea perryi by PMP-HPLC-MS(n) analysis upon acid hydrolysis. *Carbohydrate Research*, **2015**, 415, 48-53	2.9	21
54	Lycium barbarum polysaccharides extend the mean lifespan of Drosophila melanogaster. *Food and Function*, **2019**, 10, 4231-4241	6.1	20

53	Physicochemical properties, antioxidant activity and immunological effects in vitro of polysaccharides from Schisandra sphenanthera and Schisandra chinensis. *International Journal of Biological Macromolecules*, **2019**, 131, 744-751	7.9	20
52	Sulfated polysaccharides from Undaria pinnatifida improved high fat diet-induced metabolic syndrome, gut microbiota dysbiosis and inflammation in BALB/c mice. *International Journal of Biological Macromolecules*, **2021**, 167, 1587-1597	7.9	20
51	Characteristic oligosaccharides released from acid hydrolysis for the structural analysis of chondroitin sulfate. *Carbohydrate Research*, **2017**, 449, 114-119	2.9	17
50	Arabinogalactan derived from Lycium barbarum fruit inhibits cancer cell growth via cell cycle arrest and apoptosis. *International Journal of Biological Macromolecules*, **2020**, 149, 639-650	7.9	16
49	Characterization the carotenoid productions and profiles of three Rhodosporidium toruloides mutants from Agrobacterium tumefaciens-mediated transformation. *Yeast*, **2017**, 34, 335-342	3.4	15
48	Health effects of dietary sulfated polysaccharides from seafoods and their interaction with gut microbiota. *Comprehensive Reviews in Food Science and Food Safety*, **2021**, 20, 2882-2913	16.4	15
47	Anticoagulant Activity and Structural Characterization of Polysaccharide from Abalone (Haliotis discus hannai Ino) Gonad. *Molecules*, **2016**, 21,	4.8	15
46	Fucoxanthin alleviates palmitate-induced inflammation in RAW 264.7 cells through improving lipid metabolism and attenuating mitochondrial dysfunction. *Food and Function*, **2020**, 11, 3361-3370	6.1	14
45	Structural Features and Digestive Behavior of Fucosylated Chondroitin Sulfate from Sea Cucumbers. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10534-10542	5.7	13
44	Effect of intake pattern of sulfated polysaccharides on its biological activity in high fat diet-fed mice. *International Journal of Biological Macromolecules*, **2019**, 132, 9-16	7.9	13
43	Mass Spectrometric Analysis of N-Glycoforms of Soybean Allergenic Glycoproteins Separated by SDS-PAGE. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 7367-7376	5.7	13
42	Preparation of chondroitin sulfates with different molecular weights from bovine nasal cartilage and their antioxidant activities. *International Journal of Biological Macromolecules*, **2020**, 152, 1047-1055	7.9	13
41	Development and application of a HPLC-MS/MS method for quantitation of fucosylated chondroitin sulfate and fucoidan in sea cucumbers. *Carbohydrate Research*, **2018**, 466, 11-17	2.9	12
40	Effects of heating conditions on fatty acids and volatile compounds in foot muscle of abalone Haliotis discus hannai Ino. *Fisheries Science*, **2014**, 80, 1097-1107	1.9	12
39	Effects of abalone (Haliotis discus hannai Ino) gonad polysaccharides on cholecystokinin release in STC-1 cells and its signaling mechanism. *Carbohydrate Polymers*, **2016**, 151, 268-273	10.3	12
38	Distribution of uronic acid-containing polysaccharides in 5 species of shellfishes. *Carbohydrate Polymers*, **2017**, 164, 195-199	10.3	11
37	Structural characterization and anticoagulant activity of two polysaccharides from Patinopecten yessoensis viscera. *International Journal of Biological Macromolecules*, **2019**, 136, 579-585	7.9	11
36	Effect of sulfate group on sulfated polysaccharides-induced improvement of metabolic syndrome and gut microbiota dysbiosis in high fat diet-fed mice. *International Journal of Biological Macromolecules*, **2020**, 164, 2062-2072	7.9	11

35	Stress resistance and lifespan extension of Caenorhabditis elegans enhanced by peptides from mussel (Mytilus edulis) protein hydrolyzate. *Food and Function*, **2018**, 9, 3313-3320	6.1	11
34	Mass Spectrometry Analysis of Changes in Human Milk /-Glycopatterns at Different Lactation Stages. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 10702-10712	5.7	10
33	The effects of amino acids on the gel properties of potassium iota carrageenan. *Food Hydrocolloids*, **2019**, 95, 378-384	10.6	10
32	Quantification and comparison of acidic polysaccharides in edible fish intestines and livers using HPLC-MS/MS. *Glycoconjugate Journal*, **2017**, 34, 625-632	3	10
31	Characterization and digestion features of a novel polysaccharide-Fe(III) complex as an iron supplement. *Carbohydrate Polymers*, **2020**, 249, 116812	10.3	10
30	An arabinogalactan from attenuates DSS-induced chronic colitis in C57BL/6J mice associated with the modulation of intestinal barrier function and gut microbiota. *Food and Function*, **2021**, 12, 9829-9843	6.1	10
29	Structural characterization and immunostimulatory activity of a glucan from Cyclina sinensis. *International Journal of Biological Macromolecules*, **2020**, 161, 779-786	7.9	9
28	Low-molecular alginate improved diet-induced obesity and metabolic syndrome through modulating the gut microbiota in BALB/c mice. *International Journal of Biological Macromolecules*, **2021**, 187, 811-820	7.9	9
27	Preparation, structural characterization and bioactivity of 4-O-Methylglucuronoxylan from Artemisia sphaerocephala Krasch. *Carbohydrate Polymers*, **2019**, 222, 115009	10.3	8
26	Fucoidan isolated from Ascophyllum nodosum alleviates gut microbiota dysbiosis and colonic inflammation in antibiotic-treated mice. *Food and Function*, **2020**, 11, 5595-5606	6.1	8
25	Chitosan and Derivatives: Bioactivities and Application in Foods. *Annual Review of Food Science and Technology*, **2021**, 12, 407-432	14.7	8
24	A sulfated polysaccharide from abalone influences iron uptake by the contrary impacts of its chelating and reducing activities. *International Journal of Biological Macromolecules*, **2019**, 138, 49-56	7.9	7
23	A strategy to identify mixed polysaccharides through analyzing the monosaccharide composition of disaccharides released by graded acid hydrolysis. *Carbohydrate Polymers*, **2019**, 223, 115046	10.3	7
22	Effect of pH on the physicochemical and heat-induced gel properties of scallop Patinopecten yessoensis actomyosin. *Fisheries Science*, **2014**, 80, 1073-1082	1.9	7
21	Oligosaccharides from Gracilaria lemaneiformis better attenuated high fat diet-induced metabolic syndrome by promoting the Bacteroidales proliferation. *Food and Function*, **2020**, 11, 1049-1062	6.1	7
20	Quick characterization of uronic acid-containing polysaccharides in 5 shellfishes by oligosaccharide analysis upon acid hydrolysis. *Carbohydrate Research*, **2016**, 435, 149-155	2.9	6
19	Galactofucan from Laminaria japonica is not degraded by the human digestive system but inhibits pancreatic lipase and modifies the intestinal microbiota. *International Journal of Biological Macromolecules*, **2021**, 166, 611-620	7.9	6
18	Enhanced Cytotoxicity of Cadmium by a Sulfated Polysaccharide from Abalone. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 14996-15004	5.7	5

17	Preparation, structural characterization, and bioactivity of PHPD-IV-4 derived from Porphyra haitanensis. *Food Chemistry*, **2020**, 329, 127042	8.5	5
16	Interaction of sulfated polysaccharides with intestinal Bacteroidales plays an important role in its biological activities. *International Journal of Biological Macromolecules*, **2021**, 168, 496-506	7.9	5
15	Sulfated polysaccharides from pacific abalone attenuated DSS-induced acute and chronic ulcerative colitis in mice regulating intestinal micro-ecology and the NF-B pathway. *Food and Function*, **2021**, 12, 11351-11365	6.1	5
14	Gut microbiota response to sulfated sea cucumber polysaccharides in a differential manner using an in vitro fermentation model. *Food Research International*, **2021**, 148, 110562	7	5
13	Compositional analysis of sulfated polysaccharides from sea cucumber (Stichopus japonicus) released by autolysis reaction. *International Journal of Biological Macromolecules*, **2018**, 114, 420-425	7.9	4
12	Simultaneous Recovery of Protein and Polysaccharide from Abalone (Haliotis discus hannai Ino) Gonad Using Enzymatic Hydrolysis Method. *Journal of Food Processing and Preservation*, **2016**, 40, 119-130	2.1	4
11	Distribution analysis of polysaccharides comprised of uronic acid-hexose/hexosamine repeating units in various shellfish species. *Glycoconjugate Journal*, **2018**, 35, 537-545	3	4
10	Fucoidan hydrogels induced by -carrageenan: Rheological, thermal and structural characterization. *International Journal of Biological Macromolecules*, **2021**, 191, 514-520	7.9	4
9	Identification and quantification of uronic acid-containing polysaccharides in tissues of Russian sturgeon (Acipenser gueldenstaedtii) by HPLC-MS/MS and HPLC-MSn. *European Food Research and Technology*, **2017**, 243, 1201-1209	3.4	3
8	Structural characterization and SARS-CoV-2 inhibitory activity of a sulfated polysaccharide from Caulerpa lentillifera.. *Carbohydrate Polymers*, **2022**, 280, 119006	10.3	3
7	Preparation of Low-Molecular-Weight Fucoidan with Anticoagulant Activity by Photocatalytic Degradation Method.. *Foods*, **2022**, 11,	4.9	3
6	Fabrication of astaxanthin-enriched colon-targeted alginate microspheres and its beneficial effect on dextran sulfate sodium-induced ulcerative colitis in mice.. *International Journal of Biological Macromolecules*, **2022**, 205, 396-409	7.9	2
5	Characterization and comparison of acidic polysaccharide populations in Atrina pectinata individuals. *Journal of Carbohydrate Chemistry*, **2018**, 37, 117-127	1.7	1
4	An acidic polysaccharide from Patinopecten yessoensis skirt prevents obesity and improves gut microbiota and metabolism of mice induced by high-fat diet.. *Food Research International*, **2022**, 154, 110980	7	1
3	Marine Bioactive Compounds as Nutraceutical and Functional Food Ingredients for Potential Oral Health.. *Frontiers in Nutrition*, **2021**, 8, 686663	6.2	1
2	Quantitative Analysis of Acidic Polysaccharides Using Hydrophilic Interaction Chromatography and Mass Spectrometry after Acid Hydrolysis. *Current Pharmaceutical Analysis*, **2018**, 14, 443-449	0.6	1
1	Responses of the gut microbiota and metabolite profiles to sulfated polysaccharides from sea cucumber in humanized microbiota mice.. *Food and Function*, **2022**, 13, 4171-4183	6.1	0