

Guoyun Li

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.

62

papers

1,996

citations

25

h-index

43

g-index

67

ext. papers

2,453

ext. citations

6.4

avg, IF

4.87

L-index

#	Paper	IF	Citations
62	Canagliflozin Prevents Lipid Accumulation, Mitochondrial Dysfunction, and Gut Microbiota Dysbiosis in Mice With Diabetic Cardiovascular Disease.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 839640	5.6	2
61	Targeting lectin-like oxidized low-density lipoprotein receptor-1 triggers autophagic program in esophageal cancer. <i>Cell Death and Differentiation</i> , 2021 ,	12.7	2
60	Sulfated glycosaminoglycans in decellularized placenta matrix as critical regulators for cutaneous wound healing. <i>Acta Biomaterialia</i> , 2021 , 122, 199-210	10.8	9
59	Recent progress and advanced technology in carbohydrate-based drug development. <i>Current Opinion in Biotechnology</i> , 2021 , 69, 191-198	11.4	7
58	In Vitro fermentation and isolation of heparin-degrading bacteria from human gut microbiota. <i>Anaerobe</i> , 2021 , 68, 102289	2.8	2
57	Highly sialylated mucin-type glycopeptide from porcine intestinal mucosa after heparin extraction: O-glycan profiling and immunological activity evaluation. <i>Glycoconjugate Journal</i> , 2021 , 38, 527-537	3	1
56	Comparison of Different Labeling Techniques for the LC-MS Profiling of Human Milk Oligosaccharides. <i>Frontiers in Chemistry</i> , 2021 , 9, 691299	5	0
55	In vitro fermentation of hyaluronan by human gut microbiota: Changes in microbiota community and potential degradation mechanism. <i>Carbohydrate Polymers</i> , 2021 , 269, 118313	10.3	4
54	Mass spectrometric evidence for the mechanism of free-radical depolymerization of various types of glycosaminoglycans. <i>Carbohydrate Polymers</i> , 2020 , 233, 115847	10.3	3
53	Anti-diabetic activities of agarpectin-derived oligosaccharides from <i>Gloiopeltis furcata</i> via regulation of mitochondrial function. <i>Carbohydrate Polymers</i> , 2020 , 229, 115482	10.3	8
52	Fucoidan from sea cucumber <i>Holothuria polii</i> : Structural elucidation and stimulation of hematopoietic activity. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 1123-1131	7.9	15
51	Two different fucosylated chondroitin sulfates: Structural elucidation, stimulating hematopoiesis and immune-enhancing effects. <i>Carbohydrate Polymers</i> , 2020 , 230, 115698	10.3	13
50	Anti-Metabolic Syndrome Effects of Fucoidan from via Reactive Oxygen Species-Mediated Regulation of JNK, Akt, and AMPK Signaling. <i>Molecules</i> , 2019 , 24,	4.8	12
49	Carbohydrate microarray-based analysis of specific interactions between saccharides from algin and influenza A viral hemagglutinin. <i>Analytical Methods</i> , 2019 , 11, 3641-3647	3.2	1
48	Fabrication of carbohydrate microarrays on poly(2-hydroxyethyl methacrylate)-cyanuric chloride-modified substrates for the analysis of carbohydrate-lectin interactions. <i>New Journal of Chemistry</i> , 2019 , 43, 9145-9151	3.6	3
47	Comprehensive N-Glycome Profiling of Cells and Tissues for Breast Cancer Diagnosis. <i>Journal of Proteome Research</i> , 2019 , 18, 2559-2570	5.6	16
46	Extraction, isolation and structural characterization of a novel polysaccharide from <i>Cyclocarya paliurus</i> . <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 864-870	7.9	18

45	Profiling and Structural Characterization of High Neu5Gc or Sulfate-containing O-glycans from Hyla Rabbit Intestinal Mucin. <i>Molecules</i> , 2019 , 24,	4.8	3
44	Gangliosides profiling in serum of breast cancer patient: GM3 as a potential diagnostic biomarker. <i>Glycoconjugate Journal</i> , 2019 , 36, 419-428	3	16
43	Chemoenzymatic Synthesis of Heparan Sulfate Mimetic Glycopolymers and Their Interactions with the Receptor for Advanced Glycation End-Product. <i>ACS Macro Letters</i> , 2019 , 8, 1570-1574	6.6	8
42	Marine polysaccharides attenuate metabolic syndrome by fermentation products and altering gut microbiota: An overview. <i>Carbohydrate Polymers</i> , 2018 , 195, 601-612	10.3	59
41	Glycosaminoglycanomic profiling of human milk in different stages of lactation by liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2018 , 258, 231-236	8.5	7
40	Gut microbiota fermentation of marine polysaccharides and its effects on intestinal ecology: An overview. <i>Carbohydrate Polymers</i> , 2018 , 179, 173-185	10.3	112
39	Structural Characterization and Interaction with RCA of a Highly Sulfated Keratan Sulfate from Blue Shark (<i>Prionace glauca</i>) Cartilage. <i>Marine Drugs</i> , 2018 , 16,	6	3
38	Dietary Polysaccharide from Modulates Gut Microbiota and Promotes the Growth of , spp. and spp. <i>Marine Drugs</i> , 2018 , 16,	6	30
37	A novel structural fucosylated chondroitin sulfate from <i>Holothuria Mexicana</i> and its effects on growth factors binding and anticoagulation. <i>Carbohydrate Polymers</i> , 2018 , 181, 1160-1168	10.3	51
36	A mutant-cell library for systematic analysis of heparan sulfate structure-function relationships. <i>Nature Methods</i> , 2018 , 15, 889-899	21.6	42
35	Structural characterization and anti-thrombotic properties of fucoidan from <i>Nemacystus decipiens</i> . <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 1817-1822	7.9	17
34	Factors Released from Endothelial Cells Exposed to Flow Impact Adhesion, Proliferation, and Fate Choice in the Adult Neural Stem Cell Lineage. <i>Stem Cells and Development</i> , 2017 , 26, 1199-1213	4.4	9
33	Glycosaminoglycans and glycolipids as potential biomarkers in lung cancer. <i>Glycoconjugate Journal</i> , 2017 , 34, 661-669	3	19
32	Structure and immunomodulatory activity of a sulfated agarose with pyruvate and xylose substitutes from <i>Polysiphonia senticulosa</i> Harvey. <i>Carbohydrate Polymers</i> , 2017 , 176, 29-37	10.3	17
31	Microwave-assisted synthesis of glycopolymers by ring-opening metathesis polymerization (ROMP) in an emulsion system. <i>Polymer Chemistry</i> , 2017 , 8, 6709-6719	4.9	24
30	Carrageenan-induced colitis is associated with decreased population of anti-inflammatory bacterium, <i>Akkermansia muciniphila</i> , in the gut microbiota of C57BL/6J mice. <i>Toxicology Letters</i> , 2017 , 279, 87-95	4.4	93
29	Spongy bilayer dressing composed of chitosan-Ag nanoparticles and chitosan- <i>Bletilla striata</i> polysaccharide for wound healing applications. <i>Carbohydrate Polymers</i> , 2017 , 157, 1538-1547	10.3	113
28	Dietary fucoidan improves metabolic syndrome in association with increased <i>Akkermansia</i> population in the gut microbiota of high-fat diet-fed mice. <i>Journal of Functional Foods</i> , 2017 , 28, 138-146 ^{5.1}	5.1	141

27	Conformational flexibility of PL12 family heparinases: structure and substrate specificity of heparinase III from <i>Bacteroides thetaiotaomicron</i> (BT4657). <i>Glycobiology</i> , 2017 , 27, 176-187	5.8	10
26	Structural modulation of gut microbiota by chondroitin sulfate and its oligosaccharide. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 489-98	7.9	46
25	Low anticoagulant heparin oligosaccharides as inhibitors of BACE-1, the Alzheimer's Secretase. <i>Carbohydrate Polymers</i> , 2016 , 151, 51-59	10.3	11
24	Dietary fucoidan modulates the gut microbiota in mice by increasing the abundance of <i>Lactobacillus</i> and <i>Ruminococcaceae</i> . <i>Food and Function</i> , 2016 , 7, 3224-32	6.1	180
23	Degradation of chondroitin sulfate by the gut microbiota of Chinese individuals. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 112-8	7.9	40
22	Dietary Keratan Sulfate from Shark Cartilage Modulates Gut Microbiota and Increases the Abundance of <i>Lactobacillus</i> spp. <i>Marine Drugs</i> , 2016 , 14,	6	23
21	In Vivo Anti-Cancer Mechanism of Low-Molecular-Weight Fucosylated Chondroitin Sulfate (LFCS) from Sea Cucumber <i>Cucumaria frondosa</i> . <i>Molecules</i> , 2016 , 21,	4.8	37
20	Antithrombotic activities of fucosylated chondroitin sulfates and their depolymerized fragments from two sea cucumbers. <i>Carbohydrate Polymers</i> , 2016 , 152, 343-350	10.3	44
19	Profiling pneumococcal type 3-derived oligosaccharides by high resolution liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015 , 1397, 43-51	4.5	7
18	Serum Levels of Glycosaminoglycans and Chondroitin Sulfate/Hyaluronic Acid Disaccharides as Diagnostic Markers for Liver Diseases. <i>Journal of Carbohydrate Chemistry</i> , 2015 , 34, 55-69	1.7	2
17	Production of chondroitin in metabolically engineered <i>E. coli</i> . <i>Metabolic Engineering</i> , 2015 , 27, 92-100	9.7	93
16	A purification process for heparin and precursor polysaccharides using the pH responsive behavior of chitosan. <i>Biotechnology Progress</i> , 2015 , 31, 1348-59	2.8	6
15	Optimization of bioprocess conditions improves production of a CHO cell-derived, bioengineered heparin. <i>Biotechnology Journal</i> , 2015 , 10, 1067-81	5.6	21
14	Combinatorial one-pot chemoenzymatic synthesis of heparin. <i>Carbohydrate Polymers</i> , 2015 , 122, 399-407	10.3	48
13	Glycosaminoglycanomics of cultured cells using a rapid and sensitive LC-MS/MS approach. <i>ACS Chemical Biology</i> , 2015 , 10, 1303-10	4.9	44
12	Changes in glycosaminoglycan structure on differentiation of human embryonic stem cells towards mesoderm and endoderm lineages. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 1993-2003	4	34
11	Structure and activity of a new low-molecular-weight heparin produced by enzymatic ultrafiltration. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1375-83	3.9	30
10	Method to detect contaminants in heparin using radical depolymerization and liquid chromatography-mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 326-30	7.8	31

9	Identification of fucans from four species of sea cucumber by high temperature 1H NMR. <i>Journal of Ocean University of China</i> , 2014 , 13, 871-876	1	4
8	Bottom-up low molecular weight heparin analysis using liquid chromatography-Fourier transform mass spectrometry for extensive characterization. <i>Analytical Chemistry</i> , 2014 , 86, 6626-32	7.8	63
7	Heparin stability by determining unsubstituted amino groups using hydrophilic interaction chromatography mass spectrometry. <i>Analytical Biochemistry</i> , 2014 , 461, 46-8	3.1	15
6	Preparation of water-soluble melanin from squid ink using ultrasound-assisted degradation and its anti-oxidant activity. <i>Journal of Food Science and Technology</i> , 2014 , 51, 3680-90	3.3	48
5	Analysis of 3-O-sulfo group-containing heparin tetrasaccharides in heparin by liquid chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2014 , 455, 3-9	3.1	29
4	N-sulfotestosteronan, a novel substrate for heparan sulfate 6-O-sulfotransferases and its analysis by oxidative degradation. <i>Biopolymers</i> , 2013 , 99, 675-85	2.2	5
3	Sulfation pattern of the fucose branch is important for the anticoagulant and antithrombotic activities of fucosylated chondroitin sulfates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3054-66	4	91
2	Sequence determination and anticoagulant and antithrombotic activities of a novel sulfated fucan isolated from the sea cucumber <i>Isostichopus badionotus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 989-1000	4	102
1	A novel glycosaminoglycan-like polysaccharide from abalone <i>Haliotis discus hannai</i> Ino: purification, structure identification and anticoagulant activity. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 1160-6	7.9	50