

Yermak Irina

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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.

57 papers	951 citations	20 h-index	28 g-index
63 ext. papers	1,078 ext. citations	5.5 avg, IF	3.98 L-index

#	Paper	IF	Citations
57	Effects of structural peculiarities of carrageenans on their immunomodulatory and anticoagulant activities. <i>Carbohydrate Polymers</i> , 2012 , 87, 713-720	10.3	75
56	Low molecular weight derivatives of different carrageenan types and their antiviral activity. <i>Journal of Applied Phycology</i> , 2013 , 25, 65-72	3.2	63
55	Chemical structure and gel properties of carrageenans from algae belonging to the Gigartinaceae and Tichocarpaceae, collected from the Russian Pacific coast. <i>Journal of Applied Phycology</i> , 1999 , 11, 41-48	3.2	59
54	Analysis of structural heterogeneity of carrageenan oligosaccharides from <i>Tichocarpus crinitus</i> by negative-ion ESI and tandem MALDI mass spectrometry. <i>Carbohydrate Polymers</i> , 2011 , 86, 546-554	10.3	40
53	Comparative study of carrageenans from reproductive and sterile forms of <i>Tichocarpus crinitus</i> (Gmel.) Rupr (Rhodophyta, Tichocarpaceae). <i>Biochemistry (Moscow)</i> , 2005 , 70, 350-6	2.9	36
52	Marine compounds with therapeutic potential in gram-negative sepsis. <i>Marine Drugs</i> , 2013 , 11, 2216-29	6	30
51	Atomic force microscopy imaging of carrageenans from red algae of Gigartinaceae and Tichocarpaceae families. <i>Carbohydrate Polymers</i> , 2013 , 93, 458-65	10.3	28
50	Forming and immunological properties of some lipopolysaccharide-chitosan complexes. <i>Biochimie</i> , 2006 , 88, 23-30	4.6	28
49	Effect of carrageenan from red alga <i>Tichocarpus crinitus</i> (Tichocarpaceae) on infection of detached tobacco leaves with tobacco mosaic virus. <i>Journal of Plant Diseases and Protection</i> , 2004 , 111, 165-172	1.5	28
48	In vitro antioxidant properties of red algal polysaccharides. <i>Biomedicine and Preventive Nutrition</i> , 2011 , 1, 161-167		27
47	Oligosaccharides of carrageenan from the red alga <i>Tichocarpus crinitus</i> and their ability to induce interleukin 10. <i>Journal of Applied Phycology</i> , 2016 , 28, 545-553	3.2	26
46	Structure and properties of carrageenan-like polysaccharide from the red alga <i>Tichocarpus crinitus</i> (Gmel.) Rupr. (Rhodophyta, Tichocarpaceae). <i>Journal of Applied Phycology</i> , 2008 , 20, 1013-1020	3.2	26
45	Soluble chitosan-carrageenan polyelectrolyte complexes and their gastroprotective activity. <i>Carbohydrate Polymers</i> , 2014 , 101, 1087-93	10.3	25
44	Gelling polysaccharide from <i>Chondrus armatus</i> and its oligosaccharides: the structural peculiarities and anti-inflammatory activity. <i>Carbohydrate Polymers</i> , 2015 , 115, 768-75	10.3	24
43	Structural analysis and cytokine-induced activity of gelling sulfated polysaccharide from the cystocarpic plants of <i>Ahnfeltiopsis flabelliformis</i> . <i>Carbohydrate Polymers</i> , 2016 , 151, 523-534	10.3	23
42	Effect of carrageenan food supplement on patients with cardiovascular disease results in normalization of lipid profile and moderate modulation of immunity system markers. <i>PharmaNutrition</i> , 2014 , 2, 33-37	2.9	22
41	Influence of red algal sulfated polysaccharides on blood coagulation and platelets activation in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 1431-8	5.4	22

40	Carrageenans from Cystocarpic and Sterile Plants of Chondrus Pinnulatus (Gigartinaceae, Rhodophyta) Collected from the Russian Pacific Coast. <i>Journal of Applied Phycology</i> , 2006 , 18, 361-368	3.2	22
39	Structural peculiarities of polysaccharide from sterile form of Far Eastern red alga Ahnfeltiopsis flabelliformis. <i>Carbohydrate Polymers</i> , 2014 , 111, 1-9	10.3	21
38	In vitro and ex vivo studies of antioxidant activity of carrageenans, sulfated polysaccharides from red algae. <i>Bulletin of Experimental Biology and Medicine</i> , 2011 , 150, 426-8	0.8	20
37	Carrageenans-Sulfated Polysaccharides from Red Seaweeds as Matrices for the Inclusion of Echinochrome. <i>Marine Drugs</i> , 2017 , 15,	6	19
36	Comparison of the structures of hybrid carrageenans extracted from Furcellaria lumbricalis and Tichocarpus crinitus. <i>Carbohydrate Polymers</i> , 2012 , 88, 31-36	10.3	19
35	Mucoadhesive properties of sulphated polysaccharides carrageenans from red seaweed families Gigartinaceae and Tichocarpaceae. <i>International Journal of Biological Macromolecules</i> , 2020 , 142, 634-642	7.9	17
34	Effect of chitosan on tobacco mosaic virus (TMV) accumulation, hydrolase activity, and morphological abnormalities of the viral particles in leaves of N. tabacum L. cv. Samsun. <i>Virologica Sinica</i> , 2014 , 29, 250-6	6.4	16
33	Carrageenans effect on neutrophils alone and in combination with LPS in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1603-9	5.4	16
32	Influence of red algal polysaccharides on biological activities and supramolecular structure of bacterial lipopolysaccharide. <i>Journal of Applied Phycology</i> , 2016 , 28, 619-627	3.2	15
31	Influence of structural features of carrageenan on the formation of polyelectrolyte complexes with chitosan. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 434-41	7.9	15
30	Polysaccharide structure of tetrasporic red seaweed Tichocarpus crinitus. <i>Carbohydrate Polymers</i> , 2013 , 98, 26-35	10.3	14
29	Comparative study of electrokinetic potentials and binding affinity of lipopolysaccharides-chitosan complexes. <i>Biophysical Chemistry</i> , 2008 , 136, 1-6	3.5	14
28	Structural characteristics of carrageenans of red alga Mastocarpus pacificus from sea of Japan. <i>Carbohydrate Polymers</i> , 2020 , 229, 115518	10.3	14
27	Influence of carrageenan on cytokine production and cellular activity of mouse peritoneal macrophages and its effect on experimental endotoxemia. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1549-1557	5.4	13
26	Influence of carrageenan from red alga Tichocarpus crinitus on development of local infection induced by tobacco mosaic virus in Xanthi-nc tobacco leaves. <i>Biology Bulletin</i> , 2008 , 35, 310-314	0.5	13
25	Determination of binding constants of lipopolysaccharides of different structure with chitosan. <i>Biochemistry (Moscow)</i> , 2006 , 71, 332-9	2.9	13
24	The Conformation of Chitosan Molecules in Aqueous Solutions. <i>Biophysics (Russian Federation)</i> , 2018 , 63, 501-511	0.7	10
23	Seasonal variations in a polysaccharide composition of Far Eastern red seaweed Ahnfeltiopsis flabelliformis (Phyllophoraceae). <i>Journal of Applied Phycology</i> , 2018 , 30, 535-545	3.2	9

22	Binding and biological properties of lipopolysaccharide <i>Proteus vulgaris</i> O25 (48/57) with chitosan complexes. <i>Carbohydrate Polymers</i> , 2009 , 78, 481-487	10.3	9
21	The supramolecular structure of LPS-chitosan complexes of varied composition in relation to their biological activity. <i>Carbohydrate Polymers</i> , 2015 , 123, 115-21	10.3	8
20	Morphology, electrokinetic characteristics and the effect on biofilm formation of carrageenan:chitosan polyelectrolyte complexes. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 1118-1124	7.9	8
19	Carrageenolytic enzymes from marine bacteria associated with the red alga <i>Tichocarpus crinitus</i> . <i>Journal of Applied Phycology</i> , 2018 , 30, 2071-2081	3.2	7
18	Changes in Growth Rate, Anatomy and Polysaccharide Content of a Sterile Form of <i>Tichocarpus crinitus</i> (Gmel.) Rupr. (Rhodophyta, Tichocarpaceae) Grown under Differing Photon Irradiances in the Sea of Japan, Russia. <i>Botanica Marina</i> , 2001 , 44,	1.8	7
17	Effect of carrageenans on some lipid metabolism components in vitro. <i>Carbohydrate Polymers</i> , 2020 , 230, 115629	10.3	6
16	Correlation between influence of polysaccharides on hydrolase activity and their antiviral effect in tobacco leaves. <i>Biochemistry (Moscow)</i> , 2011 , 76, 462-6	2.9	5
15	Chemical composition of polysaccharides of the red alga <i>Tichocarpus crinitus</i> (Tichocarpaceae) from different sites of Peter the Great Bay, Sea of Japan. <i>Russian Journal of Marine Biology</i> , 2010 , 36, 195-200	0.7	5
14	Effects of Carrageenans on Biological Properties of Echinochrome. <i>Marine Drugs</i> , 2018 , 16,	6	5
13	The properties of chitosan complexes with smooth and rough forms of lipopolysaccharides on CHO-K1 cells. <i>Carbohydrate Polymers</i> , 2013 , 97, 284-92	10.3	4
12	Influence of the Structural Features of Carrageenans from Red Algae of the Far Eastern Seas on Their Antiviral Properties.. <i>Marine Drugs</i> , 2022 , 20,	6	4
11	Liposomal Form of the Echinochrome-Carrageenan Complex. <i>Marine Drugs</i> , 2018 , 16,	6	4
10	Carrageenan gel beads for echinochrome inclusion: Influence of structural features of carrageenan. <i>Carbohydrate Polymers</i> , 2021 , 272, 118479	10.3	4
9	Interaction of bacterial lipopolysaccharides with host soluble proteins and polycations. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2008 , 2, 279-295	0.7	3
8	Effect of carrageenans alone and in combination with casein or lipopolysaccharide on human epithelial intestinal HT-29 cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2843-2850	5.4	2
7	Inhibitory Effects of Carrageenans on Endotoxin-Induced Inflammation. <i>Marine Drugs</i> , 2020 , 18,	6	2
6	The Comparative Immunotropic Activity of Carrageenan, Chitosan and Their Complexes. <i>Marine Drugs</i> , 2020 , 18,	6	2
5	Modification biological activity of S and R forms of <i>Proteus mirabilis</i> and <i>Burkholderia cepacia</i> lipopolysaccharides by carrageenans. <i>Carbohydrate Polymers</i> , 2016 , 149, 408-14	10.3	1

4	Electron microscopic study of chitosan action on intracellular accumulation and the state of tobacco mosaic virus particles in tobacco leaves. <i>Cell and Tissue Biology</i> , 2011 , 5, 171-177	0.4	1
3	Chitosan-Based Mucoadhesive Systems for the Inclusion of the Echinochrome Active Substance. <i>Applied Biochemistry and Microbiology</i> , 2018 , 54, 478-483	1.1	1
2	Ultrastructure and hydrolase activity in tobacco leaves exposed to chitosan. <i>Cell and Tissue Biology</i> , 2013 , 7, 161-167	0.4	
1	Structural Peculiarities of Sulfated Polysaccharides from Red Algae <i>Tichocarpus crinitus</i> (Tichocarpaceae) and <i>Chondrus pinnulatus</i> (Gigartinaceae) Collected at the Russian Pacific Coast 2011 , 193-204		