Yermak Irina

List of Publications by Year in Descending Order

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	Influence of the Structural Features of Carrageenans from Red Algae of the Far Eastern Seas on Their Antiviral Properties.. *Marine Drugs*, **2022**, 20,	6	4
56	Carrageenan gel beads for echinochrome inclusion: Influence of structural features of carrageenan. *Carbohydrate Polymers*, **2021**, 272, 118479	10.3	4
55	Inhibitory Effects of Carrageenans on Endotoxin-Induced Inflammation. *Marine Drugs*, **2020**, 18,	6	2
54	Structural characteristics of carrageenans of red alga Mastocarpus pacificus from sea of Japan. *Carbohydrate Polymers*, **2020**, 229, 115518	10.3	14
53	Mucoadhesive properties of sulphated polysaccharides carrageenans from red seaweed families Gigartinaceae and Tichocarpaceae. *International Journal of Biological Macromolecules*, **2020**, 142, 634-642	7.9	17
52	Effect of carrageenans on some lipid metabolism components in vitro. *Carbohydrate Polymers*, **2020** , 230, 115629	10.3	6
51	The Comparative Immunotropic Activity of Carrageenan, Chitosan and Their Complexes. *Marine Drugs*, **2020**, 18,	6	2
50	Carrageenanolytic enzymes from marine bacteria associated with the red alga Tichocarpus crinitus. *Journal of Applied Phycology*, **2018**, 30, 2071-2081	3.2	7
49	Seasonal variations in a polysaccharide composition of Far Eastern red seaweed Ahnfeltiopsis flabelliformis (Phyllophoraceae). *Journal of Applied Phycology*, **2018**, 30, 535-545	3.2	9
48	Effects of Carrageenans on Biological Properties of Echinochrome. *Marine Drugs*, **2018**, 16,	6	5
47	The Conformation of Chitosan Molecules in Aqueous Solutions. *Biophysics (Russian Federation)*, **2018**, 63, 501-511	0.7	10
46	Chitosan-Based Mucoadhesive Systems for the Inclusion of the Echinochrome Active Substance. *Applied Biochemistry and Microbiology*, **2018**, 54, 478-483	1.1	1
45	Liposomal Form of the Echinochrome-Carrageenan Complex. *Marine Drugs*, **2018**, 16,	6	4
44	Morphology, electrokinetic characteristics and the effect on biofilm formation of carrageenan:chitosan polyelectrolyte complexes. *International Journal of Biological Macromolecules* , **2018**, 117, 1118-1124	7.9	8
43	Influence of carrageenan on cytokine production and cellular activity of mouse peritoneal macrophages and its effect on experimental endotoxemia. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 1549-1557	5.4	13
42	Effect of carrageenans alone and in combination with casein or lipopolysaccharide on human epithelial intestinal HT-29 cells. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 2843-2850	5.4	2
41	Carrageenans-Sulfated Polysaccharides from Red Seaweeds as Matrices for the Inclusion of Echinochrome. *Marine Drugs*, **2017**, 15,	6	19

40	Oligosaccharides of λ-carrageenan from the red alga Tichocarpus crinitus and their ability to induce interleukin 10. *Journal of Applied Phycology*, **2016**, 28, 545-553	3.2	26
39	Influence of red algal polysaccharides on biological activities and supramolecular structure of bacterial lipopolysaccharide. *Journal of Applied Phycology*, **2016**, 28, 619-627	3.2	15
38	Structural analysis and cytokine-induced activity of gelling sulfated polysaccharide from the cystocarpic plants of Ahnfeltiopsis flabelliformis. *Carbohydrate Polymers*, **2016**, 151, 523-534	10.3	23
37	Modification biological activity of S and R forms of Proteus mirabilis and Burkholderia cepacia lipopolysaccharides by carrageenans. *Carbohydrate Polymers*, **2016**, 149, 408-14	10.3	1
36	Influence of structural features of carrageenan on the formation of polyelectrolyte complexes with chitosan. *International Journal of Biological Macromolecules*, **2016**, 84, 434-41	7.9	15
35	Carrageenans effect on neutrophils alone and in combination with LPS in vitro. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 1603-9	5.4	16
34	Gelling polysaccharide from Chondrus armatus and its oligosaccharides: the structural peculiarities and anti-inflammatory activity. *Carbohydrate Polymers*, **2015**, 115, 768-75	10.3	24
33	The supramolecular structure of LPS-chitosan complexes of varied composition in relation to their biological activity. *Carbohydrate Polymers*, **2015**, 123, 115-21	10.3	8
32	Structural peculiarities of polysaccharide from sterile form of Far Eastern red alga Ahnfeltiopsis flabelliformis. *Carbohydrate Polymers*, **2014**, 111, 1-9	10.3	21
31	Soluble chitosan-carrageenan polyelectrolyte complexes and their gastroprotective activity. *Carbohydrate Polymers*, **2014**, 101, 1087-93	10.3	25
30	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. *Virologica Sinica*, **2014**, 29, 250-6	6.4	16
29	Effect of carrageenan food supplement on patients with cardiovascular disease results in normalization of lipid profile and moderate modulation of immunity system markers. *PharmaNutrition*, **2014**, 2, 33-37	2.9	22
28	Influence of red algal sulfated polysaccharides on blood coagulation and platelets activation in vitro. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 1431-8	5.4	22
27	Ultrastructure and hydrolase activity in tobacco leaves exposed to chitosan. *Cell and Tissue Biology*, **2013**, 7, 161-167	0.4	
26	Low molecular weight derivatives of different carrageenan types and their antiviral activity. *Journal of Applied Phycology*, **2013**, 25, 65-72	3.2	63
25	Atomic force microscopy imaging of carrageenans from red algae of Gigartinaceae and Tichocarpaceae families. *Carbohydrate Polymers*, **2013**, 93, 458-65	10.3	28
24	Polysaccharide structure of tetrasporic red seaweed Tichocarpus crinitus. *Carbohydrate Polymers*, **2013**, 98, 26-35	10.3	14
23	The properties of chitosan complexes with smooth and rough forms of lipopolysaccharides on CHO-K1 cells. *Carbohydrate Polymers*, **2013**, 97, 284-92	10.3	4

22	Marine compounds with therapeutic potential in gram-negative sepsis. *Marine Drugs*, **2013**, 11, 2216-29	6	30
21	Effects of structural peculiarities of carrageenans on their immunomodulatory and anticoagulant activities. *Carbohydrate Polymers*, **2012**, 87, 713-720	10.3	75
20	Comparison of the structures of hybrid /-carrageenans extracted from Furcellaria lumbricalis and Tichocarpus crinitus. *Carbohydrate Polymers*, **2012**, 88, 31-36	10.3	19
19	In vitro antioxidant properties of red algal polysaccharides. *Biomedicine and Preventive Nutrition*, **2011**, 1, 161-167		27
18	Structural Peculiarities of Sulfated Polysaccharides from Red Algae Tichocarpus crinitus (Tichocarpaceae) and Chondrus pinnulatus (Gigartinaceae) Collected at the Russian Pacific Coast **2011**, 193-204		
17	Correlation between influence of polysaccharides on hydrolase activity and their antiviral effect in tobacco leaves. *Biochemistry (Moscow)*, **2011**, 76, 462-6	2.9	5
16	Electron microscopic study of chitosan action on intracellular accumulation and the state of tobacco mosaic virus particles in tobacco leaves. *Cell and Tissue Biology*, **2011**, 5, 171-177	0.4	1
15	In vitro and ex vivo studies of antioxidant activity of carrageenans, sulfated polysaccharides from red algae. *Bulletin of Experimental Biology and Medicine*, **2011**, 150, 426-8	0.8	20
14	Analysis of structural heterogeneity of /-carrageenan oligosaccharides from Tichocarpus crinitus by negative-ion ESI and tandem MALDI mass spectrometry. *Carbohydrate Polymers*, **2011**, 86, 546-554	10.3	40
13	Chemical composition of polysaccharides of the red alga Tichocarpus crinitus (Tichocarpaseae) from different sites of Peter the Great Bay, Sea of Japan. *Russian Journal of Marine Biology*, **2010**, 36, 195-200	0.7	5
12	Binding and biological properties of lipopolysaccharide Proteus vulgaris O25 (48/57)-chitosan complexes. *Carbohydrate Polymers*, **2009**, 78, 481-487	10.3	9
11	Comparative study of electrokinetic potentials and binding affinity of lipopolysaccharides-chitosan complexes. *Biophysical Chemistry*, **2008**, 136, 1-6	3.5	14
10	Structure and properties of carrageenan-like polysaccharide from the red alga Tichocarpus crinitus (Gmel.) Rupr. (Rhodophyta, Tichocarpaceae). *Journal of Applied Phycology*, **2008**, 20, 1013-1020	3.2	26
9	Interaction of bacterial lipopolysaccharides with host soluble proteins and polycations. *Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology*, **2008**, 2, 279-295	0.7	3
8	Influence of /-carrageenan from red alga Tichocarpus crinitus on development of local infection induced by tobacco mosaic virus in Xanthi-nc tobacco leaves. *Biology Bulletin*, **2008**, 35, 310-314	0.5	13
7	Forming and immunological properties of some lipopolysaccharide-chitosan complexes. *Biochimie*, **2006**, 88, 23-30	4.6	28
6	Determination of binding constants of lipopolysaccharides of different structure with chitosan. *Biochemistry (Moscow)*, **2006**, 71, 332-9	2.9	13
5	Carrageenans from Cystocarpic and Sterile Plants of Chondrus Pinnulatus (Gigartinaceae, Rhodophyta) Collected from the Russian Pacific Coast. *Journal of Applied Phycology*, **2006**, 18, 361-368	3.2	22

4	Comparative study of carrageenans from reproductive and sterile forms of Tichocarpus crinitus (Gmel.) Rupr (Rhodophyta, Tichocarpaceae). *Biochemistry (Moscow)*, **2005**, 70, 350-6	2.9	36
3	Effect of λ-Carrageenan from red alga Tichocarpus crinitus (Tichocarpaceae) on infection of detached tobacco leaves with tobacco mosaic virus. *Journal of Plant Diseases and Protection*, **2004**, 111, 165-172	1.5	28
2	Changes in Growth Rate, Anatomy and Polysaccharide Content of a Sterile Form of Tichocarpus crinitus (Gmel.) Rupr. (Rhodophyta, Tichocarpaceae) Grown under Differing Photon Irradiances in the Sea of Japan, Russia. *Botanica Marina*, **2001**, 44,	1.8	7
1	Chemical structure and gel properties of carrageenans from algae belonging to the Gigartinaceae and Tichocarpaceae, collected from the Russian Pacific coast. *Journal of Applied Phycology*, **1999**, 11, 41-48	3.2	59