

Artem S Silchenko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Determination of the structure and in vitro anticancer activity of fucan from <i>Saccharina dentigera</i> and its derivatives. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 614-620.	7.5	4
2	The structure of fucoidan from <i>Sargassum oligocystum</i> and radiosensitizing activity of galactofucans from some algae of genus <i>Sargassum</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1427-1435.	7.5	12
3	Fucoidan from brown algae <i>Fucus evanescens</i> potentiates the anti-proliferative efficacy of asterosaponins from starfish <i>Asteropsis carinifera</i> in 2D and 3D models of melanoma cells. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 31-39.	7.5	8
4	Relationship between the structure of a highly regular fucoidan from <i>Fucus evanescens</i> and its ability to form nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 679-687.	7.5	13
5	In Vitro Anti-Orthohantavirus Activity of the High-and Low-Molecular-Weight Fractions of Fucoidan from the Brown Alga <i>Fucus evanescens</i> . <i>Marine Drugs</i> , 2021, 19, 577.	4.6	15
6	Expression and biochemical characterization of two recombinant fucoidanases from the marine bacterium <i>Wenyngzhuangia fucanilytica</i> CZ1127T. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3025-3037.	7.5	20
7	Aminated laminaran from brown alga <i>Saccharina cichorioides</i> : Synthesis, structure, anticancer, and radiosensitizing potential in vitro. <i>Carbohydrate Polymers</i> , 2020, 250, 117007.	10.2	9
8	Functional Characterization of a New GH107 Endo- α -(1,4)-Fucoidanase from the Marine Bacterium <i>Formosa haliotis</i> . <i>Marine Drugs</i> , 2020, 18, 562.	4.6	23
9	Enzymatic transformation and anti-tumor activity of <i>Sargassum horneri</i> fucoidan. <i>Carbohydrate Polymers</i> , 2020, 246, 116635.	10.2	27
10	Immunoadjuvant Activity of Fucoidans from the Brown Alga <i>Fucus evanescens</i> . <i>Marine Drugs</i> , 2020, 18, 155.	4.6	16
11	Two New Alginate Lyases of PL7 and PL6 Families from Polysaccharide-Degrading Bacterium <i>Formosa</i> algae KMM 3553T: Structure, Properties, and Products Analysis. <i>Marine Drugs</i> , 2020, 18, 130.	4.6	28
12	The Comparative Analysis of Antiviral Activity of Native and Modified Fucoidans from Brown Algae <i>Fucus evanescens</i> In Vitro and In Vivo. <i>Marine Drugs</i> , 2020, 18, 224.	4.6	54
13	Sulfated steroids of Halichondriidae family sponges – Natural inhibitors of polysaccharide-degrading enzymes of bacterium <i>Formosa</i> algae, inhabiting brown alga <i>Fucus evanescens</i> . <i>Carbohydrate Research</i> , 2019, 484, 107776.	2.3	3
14	Radiosensitizing effect of the fucoidan from brown alga <i>Fucus evanescens</i> and its derivative in human cancer cells. <i>Carbohydrate Polymers</i> , 2019, 205, 465-471.	10.2	22
15	Modification of native fucoidan from <i>Fucus evanescens</i> by recombinant fucoidanase from marine bacteria <i>Formosa</i> algae. <i>Carbohydrate Polymers</i> , 2018, 193, 189-195.	10.2	51
16	Fucoidanase inhibitory activity of phlorotannins from brown algae. <i>Algal Research</i> , 2018, 32, 54-59.	4.6	16
17	Thrombolytic fucoidans inhibit the tPA-PAI1 complex, indicating activation of plasma tissue-type plasminogen activator is a mechanism of fucoidan-mediated thrombolysis in a mouse thrombosis model. <i>Thrombosis Research</i> , 2018, 161, 22-25.	1.7	10
18	Novel Enzyme Actions for Sulphated Galactofucan Depolymerisation and a New Engineering Strategy for Molecular Stabilisation of Fucoidan Degrading Enzymes. <i>Marine Drugs</i> , 2018, 16, 422.	4.6	27

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19	Fucoidan Sulfatases from Marine Bacterium <i>Wenyangzhuangia fucanilytica</i> CZ1127T. <i>Biomolecules</i> , 2018, 8, 98.	4.0	29
20	Alginate Lyases: Substrates, Structure, Properties, and Prospects of Application. <i>Russian Journal of Bioorganic Chemistry</i> , 2018, 44, 386-396.	1.0	13
21	Expression and biochemical characterization and substrate specificity of the fucoidanase from <i>Formosa algae</i> . <i>Glycobiology</i> , 2017, 27, 254-263.	2.5	39
22	Brown Alga Metabolites – Inhibitors of Marine Organism Fucoidan Hydrolases. <i>Chemistry of Natural Compounds</i> , 2017, 53, 345-350.	0.8	7
23	Polysaccharides from brown algae <i>Sargassum duplicatum</i> : the structure and anticancer activity in vitro. <i>Carbohydrate Polymers</i> , 2017, 175, 547-556.	10.2	64
24	Structure, enzymatic transformation, anticancer activity of fucoidan and sulphated fucooligosaccharides from <i>Sargassum horneri</i> . <i>Carbohydrate Polymers</i> , 2017, 175, 654-660.	10.2	68
25	Structural features and anticancer activity in vitro of fucoidan derivatives from brown alga <i>Saccharina cichorioides</i> . <i>Carbohydrate Polymers</i> , 2017, 157, 1503-1510.	10.2	56
26	Fucoidanases. <i>Glycobiology</i> , 2016, 26, cwv072.	2.5	43
27	Absolute Configuration and Body Part Distribution of the Alkaloid 6- <i>epi</i> -Monanchorin from the Marine Polychaete <i>Chaetopterus variopedatus</i> . <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	2
28	A Simple Plate Method for the Screening and Detection of Fucoidanases. <i>Achievements in the Life Sciences</i> , 2015, 9, 104-106.	1.3	4
29	Endo-1,4-fucoidanase from Vietnamese marine mollusk <i>Lambis</i> sp. which producing sulphated fucooligosaccharides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 102, 154-160.	1.8	38
30	Isolation from the marine mollusk <i>Lambis</i> sp. and catalytic properties of an alginate lyase with rare substrate specificity. <i>Chemistry of Natural Compounds</i> , 2013, 49, 215-218.	0.8	9
31	Hydrolysis of Fucoidan by Fucoidanase Isolated from the Marine Bacterium, <i>Formosa algae</i> . <i>Marine Drugs</i> , 2013, 11, 2413-2430.	4.6	76
32	Catalytic properties and amino acid sequence of endo-1,3- β -D-glucanase from the marine mollusk <i>Tapes literata</i> . <i>Biochemistry (Moscow)</i> , 2012, 77, 878-888.	1.5	11