

Artem S Silchenko

List of Publications by Year in descending order

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32
papers

817
citations

516710

16
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrolysis of Fucoidan by Fucoidanase Isolated from the Marine Bacterium, Formosa algae. Marine Drugs, 2013, 11, 2413-2430.	4.6	76
2	Structure, enzymatic transformation, anticancer activity of fucoidan and sulphated fucooligosaccharides from Sargassum horneri. Carbohydrate Polymers, 2017, 175, 654-660.	10.2	68
3	Polysaccharides from brown algae Sargassum duplicatum: the structure and anticancer activity in vitro. Carbohydrate Polymers, 2017, 175, 547-556.	10.2	64
4	Structural features and anticancer activity in vitro of fucoidan derivatives from brown alga Saccharina cichorioides. Carbohydrate Polymers, 2017, 157, 1503-1510.	10.2	56
5	The Comparative Analysis of Antiviral Activity of Native and Modified Fucoidans from Brown Algae Fucus evanescens In Vitro and In Vivo. Marine Drugs, 2020, 18, 224.	4.6	54
6	Modification of native fucoidan from Fucus evanescens by recombinant fucoidanase from marine bacteria Formosa algae. Carbohydrate Polymers, 2018, 193, 189-195.	10.2	51
7	Fucoidanases. Glycobiology, 2016, 26, cwv072.	2.5	43
8	Expression and biochemical characterization and substrate specificity of the fucoidanase from Formosa algae. Glycobiology, 2017, 27, 254-263.	2.5	39
9	Endo-1,4-fucoidanase from Vietnamese marine mollusk Lambis sp. which producing sulphated fucooligosaccharides. Journal of Molecular Catalysis B: Enzymatic, 2014, 102, 154-160.	1.8	38
10	Fucoidan Sulfatases from Marine Bacterium Wenyingzhuangia fucanilytica CZ1127T. Biomolecules, 2018, 8, 98.	4.0	29
11	Two New Alginate Lyases of PL7 and PL6 Families from Polysaccharide-Degrading Bacterium Formosa algae KMM 3553T: Structure, Properties, and Products Analysis. Marine Drugs, 2020, 18, 130.	4.6	28
12	Novel Enzyme Actions for Sulphated Galactofucan Depolymerisation and a New Engineering Strategy for Molecular Stabilisation of Fucoidan Degrading Enzymes. Marine Drugs, 2018, 16, 422.	4.6	27
13	Enzymatic transformation and anti-tumor activity of Sargassum horneri fucoidan. Carbohydrate Polymers, 2020, 246, 116635.	10.2	27
14	Functional Characterization of a New GH107 Endo- α -(1,4)-Fucoidanase from the Marine Bacterium Formosa haliotis. Marine Drugs, 2020, 18, 562.	4.6	23
15	Radiosensitizing effect of the fucoidan from brown alga Fucus evanescens and its derivative in human cancer cells. Carbohydrate Polymers, 2019, 205, 465-471.	10.2	22
16	Expression and biochemical characterization of two recombinant fucoidanas from the marine bacterium Wenyingzhuangia fucanilytica CZ1127T. International Journal of Biological Macromolecules, 2020, 164, 3025-3037.	7.5	20
17	Fucoidanase inhibitory activity of phlorotannins from brown algae. Algal Research, 2018, 32, 54-59.	4.6	16
18	Immunoadjuvant Activity of Fucoidans from the Brown Alga Fucus evanescens. Marine Drugs, 2020, 18, 155.	4.6	16

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19	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
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	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Brown Alga Metabolites – Inhibitors of Marine Organism Fucoidan Hydrolases. <i>Chemistry of Natural Compounds</i> , 2017, 53, 345-350.	0.8	7
29	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
30	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
31	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
32	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