Mikhail I Kusaykin

List of Publications by Year
in descending order

40	1,213	361413 20	361022 35
papers	citations	h-index	g-index

41	41	41	1155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two GH16 Endo-1,3-Î²-D-Glucanases from Formosa agariphila and F. algae Bacteria Have Complete Different Modes of Laminarin Digestion. Molecular Biotechnology, 2022, 64, 434-446.	2.4	3
2	Structural characterization of a P-selectin and EGFR dual-targeting fucoidan from Sargassum fusiforme. International Journal of Biological Macromolecules, 2022, 199, 86-95.	7.5	7
3	Fucoidan based nanoparticles: Structure and applications. , 2022, , 91-118.		0
4	Relationship between the structure of a highly regular fucoidan from Fucus evanescens and its ability to form nanoparticles. International Journal of Biological Macromolecules, 2021, 185, 679-687.	7.5	13
5	Expression and biochemical characterization of two recombinant fucoidanases from the marine bacterium Wenyingzhuangia fucanilytica CZ1127T. International Journal of Biological Macromolecules, 2020, 164, 3025-3037.	7.5	20
6	Enzymatic transformation and anti-tumor activity of Sargassum horneri fucoidan. Carbohydrate Polymers, 2020, 246, 116635.	10.2	27
7	In Vitro and In Vivo Effects of Holotoxin A₁ From the Sea Cucumber Apostichopus japonicus During Ionizing Radiation. Natural Product Communications, 2020, 15, 1934578X2093203.	0.5	3
8	Laminarans and 1,3-Î²-D-glucanases. International Journal of Biological Macromolecules, 2020, 163, 1010-1025.	7.5	23
9	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
10	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
11	Modification of native fucoidan from Fucus evanescens by recombinant fucoidanase from marine bacteria Formosa algae. Carbohydrate Polymers, 2018, 193, 189-195.	10.2	51
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	Fucoidan Sulfatases from Marine Bacterium Wenyingzhuangia fucanilytica CZ1127T. Biomolecules, 2018, 8, 98.	4.0	29
14	Alginate Lyases: Substrates, Structure, Properties, and Prospects of Application. Russian Journal of Bioorganic Chemistry, 2018, 44, 386-396.	1.0	13
15	Expression and biochemical characterization and substrate specificity of the fucoidanase fromFormosa algae. Glycobiology, 2017, 27, 254-263.	2.5	39
16	A new recombinant endo-1,3-Î²-d-glucanase from the marine bacterium Formosa algae KMM 3553: enzyme characteristics and transglycosylation products analysis. World Journal of Microbiology and Biotechnology, 2017, 33, 40.	3.6	22
17	Structure, enzymatic transformation, anticancer activity of fucoidan and sulphated fucooligosaccharides from Sargassum horneri. Carbohydrate Polymers, 2017, 175, 654-660.	10.2	68
18	Fucoidanases. Glycobiology, 2016, 26, cwv072.	2.5	43

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19	Structure and biological activity of a fucosylated chondroitin sulfate from the sea cucumberCucumaria japonica. Glycobiology, 2016, 26, 449-459.	2.5	53
20	Are multifunctional marine polysaccharides a myth or reality?. Frontiers in Chemistry, 2015, 3, 39.	3.6	32
21	Editorial: Marine biomolecules. Frontiers in Chemistry, 2015, 3, 52.	3.6	1
22	A Simple Plate Method for the Screening and Detection of Fucoidanases. Achievements in the Life Sciences, 2015, 9, 104-106.	1.3	4
23	Activity of 1,3-Î²-D-Glucanases and Expression of CG-GLU1 in the Mussel Crenomytilus grayanus (Bivalvia) in Three Bays of the Sea of Japan. Achievements in the Life Sciences, 2015, 9, 69-77.	1.3	1
24	Structure, enzymatic transformation and anticancer activity of branched high molecular weight laminaran from brown alga Eisenia bicyclis. Carbohydrate Polymers, 2014, 99, 101-109.	10.2	94
25	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
26	Isolation from the marine mollusk Lambis sp. and catalytic properties of an alginate lyase with rare substrate specificity. Chemistry of Natural Compounds, 2013, 49, 215-218.	0.8	9
27	Hydrolysis of Fucoidan by Fucoidanase Isolated from the Marine Bacterium, Formosa algae. Marine Drugs, 2013, 11, 2413-2430.	4.6	76
28	Endo-(1â†'3)-Î²-d-glucanase GI from marine mollusk Littorina sitkana: Amino acid sequence and ESIMS/MS-estimated features of transglycosylation and hydrolysis reactions in comparison to analogous enzyme LIV from Pseudocardium sachalinensis. Journal of Molecular Catalysis B: Enzymatic, 2012, 75, 73-79.	1.8	8
29	Deglycosylation of isoflavonoid glycosides from Maackia amurensis cell culture by Î²â^'D-glucosidase from Littorina sitkana hepatopancrease. Chemistry of Natural Compounds, 2011, 47, 197-200.	0.8	3
30	Enzymatic and molecular characterization of an endo-1,3-Î²-d-glucanase from the crystalline styles of the mussel Perna viridis. Carbohydrate Research, 2011, 346, 243-252.	2.3	13
31	Structural characteristics and antitumor activity of a new chrysolaminaran from the diatom alga Synedra acus. Chemistry of Natural Compounds, 2010, 46, 1-4.	0.8	51
32	Catalytic properties and mode of action of endo-(1â†'3)-Î²-d-glucanase and Î²-d-glucosidase from the marine mollusk Littorina kurila. Carbohydrate Research, 2008, 343, 2393-2400.	2.3	20
33	Structure, biological activity, and enzymatic transformation of fucoidans from the brown seaweeds. Biotechnology Journal, 2008, 3, 904-915.	3.5	176
34	Purification, cDNA cloning and homology modeling of endo-1,3-Î²-d-glucanase from scallop Mizuhopecten yessoensis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2006, 143, 473-485.	1.6	47
35	The rolC gene induces expression of a pathogenesis-related Î²-1,3-glucanase in transformed ginseng cells. Phytochemistry, 2006, 67, 2225-2231.	2.9	46
36	Aryl sulfatase of unusual specificity from the liver of marine mollusk Littorina kurila. Russian Journal of Bioorganic Chemistry, 2006, 32, 63-70.	1.0	5

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37	A comparative study of specificity of fucoidanases from marine microorganisms and invertebrates. Journal of Applied Phycology, 2006, 18, 369-373.	2.8	42
38	A Comparative Study of the Specificity of Fucoidanases of Marine Microorganisms and Invertebrates. Doklady Biochemistry and Biophysics, 2004, 396, 187-189.	0.9	6
39	Distribution of O-glycosylhydrolases in marine invertebrates. Enzymes of the marine mollusk Littorina kurila that catalyze fucoidan transformation. Biochemistry (Moscow), 2003, 68, 317-324.	1.5	30
40	Beta-1,3-glucanase from unfertilized eggs of the sea urchin Strongylocentrotus intermedius. Comparison with beta-1,3-glucanases of marine and terrestrial mollusks. Biochemistry (Moscow), 2003, 68, 529-533.	1.5	12