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A comparative study of the anti-inflammatory, anticoagulant, antiangiogenic, and antiadhesive activities of nine different fucoidans from brown seaweeds

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7 <sup>8</sup> 4	Novel uses for anti-platelet agents as anti-inflammatory drugs. <b>2007</b> , 152, 987-1002		54
783	Intracellular changes of metal elements by fucoidan extracted from brown seaweed (Cladosiphon okamuranus). <b>2008</b> , 124, 60-9		6
782	A sulfated glucuronofucan containing both fucofuranose and fucopyranose residues from the brown alga Chordaria flagelliformis. <b>2008</b> , 343, 2605-12		37
781	Efficient acid-promoted per-O-sulfation of organic polyols. <b>2008</b> , 49, 5877-5879		31
780	Sulfated galactofucan from Lobophora variegata: anticoagulant and anti-inflammatory properties. <b>2008</b> , 73, 1018-24		54
779	Structure, biological activity, and enzymatic transformation of fucoidans from the brown seaweeds. <b>2008</b> , 3, 904-15		155
778	Antiadhesion Herbs. <b>2008</b> , 14, 139-144		7
777	Fucoidan stimulation induces a functional maturation of human monocyte-derived dendritic cells. <b>2008</b> , 8, 1754-60		59
776	Inhibitory effects of fucoidan on activation of epidermal growth factor receptor and cell transformation in JB6 Cl41 cells. <b>2008</b> , 46, 1793-800		62
775	In vitro model to estimate gut inflammation using co-cultured Caco-2 and RAW264.7 cells. <b>2008</b> , 374, 565-9		94
774	Fucoidan: structure and bioactivity. <i>Molecules</i> , <b>2008</b> , 13, 1671-95	4.8	819
773	Sweet and sour: the impact of sugars on disease. <b>2008</b> , 47, 760-70		59
772	Structure, biology, evolution, and medical importance of sulfated fucans and galactans. <i>Glycobiology</i> , <b>2008</b> , 18, 1016-27	5.8	245
771	Pharmacological profiles of animal- and nonanimal-derived sulfated polysaccharidescomparison of unfractionated heparin, the semisynthetic glucan sulfate PS3, and the sulfated polysaccharide fraction isolated from Delesseria sanguinea. <i>Glycobiology</i> , <b>2009</b> , 19, 408-17	5.8	40
770	Stereoselective Synthesis of Di- and Trisaccharide Fucoidan Fragments Bearing ⊕-Glucuronic Acid Residue*View all notes. <b>2008</b> , 27, 429-445		7
769	Efficacy and safety of a new-class hemostatic drug candidate, AV513, in dogs with hemophilia A. <b>2008</b> , 111, 672-9		85
768	Structural Analysis of Fucoidans. 2008, 3, 1934578X0800301		15

# (2010-2009)

767	IN-AIR MICRO-PIXE ANALYSIS FOR METAL ELEMENTS IN RAT HEPATOCYTES TREATED WITH FUCOIDAN. <b>2009</b> , 19, 47-54		1
766	Review: an overview about the structure-function relationship of marine sulfated homopolysaccharides with regular chemical structures. <b>2009</b> , 91, 601-9		89
765	Exploring the potential of biopharmaceutical production by Rigidoporus ulmarius: Cultivation, chemistry, and bioactivity studies. <b>2009</b> , 44, 1237-1244		5
764	Seasonal variations of the composition and structural characteristics of polysaccharides from the brown alga Costaria costata. <b>2009</b> , 45, 786-791		43
763	Fucoidans and fucoidanasesfocus on techniques for molecular structure elucidation and modification of marine polysaccharides. <b>2009</b> , 82, 1-11		123
762	Beneficial effects of fucoidan on osteoblastic MG-63 cell differentiation. <b>2009</b> , 116, 990-994		70
761	Polysaccharides from the brown seaweed Padina tetrastromatica: Characterization of a sulfated fucan. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 416-421	10.3	46
760	Structural analysis of a fucoidan from the brown alga Fucus evanescens by MALDI-TOF and tandem ESI mass spectrometry. <b>2009</b> , 344, 779-87		74
759	Anticoagulant activity of fucoidans from brown algae. <b>2009</b> , 3, 77-83		22
758	Characteristics and nutritional and cardiovascular-health properties of seaweeds. <b>2009</b> , 12, 236-58		213
75 <sup>8</sup> 757	Characteristics and nutritional and cardiovascular-health properties of seaweeds. 2009, 12, 236-58  Evaluation of seasonal variations of the structure and anti-inflammatory activity of sulfated polysaccharides extracted from the red alga Delesseria sanguinea (Hudson) Lamouroux (Ceramiales, Delesseriaceae). 2009, 10, 1155-62		213
	Evaluation of seasonal variations of the structure and anti-inflammatory activity of sulfated polysaccharides extracted from the red alga Delesseria sanguinea (Hudson) Lamouroux		
757	Evaluation of seasonal variations of the structure and anti-inflammatory activity of sulfated polysaccharides extracted from the red alga Delesseria sanguinea (Hudson) Lamouroux (Ceramiales, Delesseriaceae). 2009, 10, 1155-62  Different suppressive effects of fucoidan and lentinan on IL-8 mRNA expression in in vitro gut	5.8	24
757 756	Evaluation of seasonal variations of the structure and anti-inflammatory activity of sulfated polysaccharides extracted from the red alga Delesseria sanguinea (Hudson) Lamouroux (Ceramiales, Delesseriaceae). 2009, 10, 1155-62  Different suppressive effects of fucoidan and lentinan on IL-8 mRNA expression in in vitro gut inflammation. 2009, 73, 2324-5  Focus on antivirally active sulfated polysaccharides: from structure-activity analysis to clinical	5.8	24
757 756 755	Evaluation of seasonal variations of the structure and anti-inflammatory activity of sulfated polysaccharides extracted from the red alga Delesseria sanguinea (Hudson) Lamouroux (Ceramiales, Delesseriaceae). 2009, 10, 1155-62  Different suppressive effects of fucoidan and lentinan on IL-8 mRNA expression in in vitro gut inflammation. 2009, 73, 2324-5  Focus on antivirally active sulfated polysaccharides: from structure-activity analysis to clinical evaluation. <i>Glycobiology</i> , 2009, 19, 2-15  Ligand of scavenger receptor class A indirectly induces maturation of human blood dendritic cells	5.8	24 32 295
757 756 755 754	Evaluation of seasonal variations of the structure and anti-inflammatory activity of sulfated polysaccharides extracted from the red alga Delesseria sanguinea (Hudson) Lamouroux (Ceramiales, Delesseriaceae). 2009, 10, 1155-62  Different suppressive effects of fucoidan and lentinan on IL-8 mRNA expression in in vitro gut inflammation. 2009, 73, 2324-5  Focus on antivirally active sulfated polysaccharides: from structure-activity analysis to clinical evaluation. <i>Glycobiology</i> , 2009, 19, 2-15  Ligand of scavenger receptor class A indirectly induces maturation of human blood dendritic cells via production of tumor necrosis factor-alpha. 2009, 113, 5839-47	5.8	24 32 295 53
757 756 755 754 753	Evaluation of seasonal variations of the structure and anti-inflammatory activity of sulfated polysaccharides extracted from the red alga Delesseria sanguinea (Hudson) Lamouroux (Ceramiales, Delesseriaceae). 2009, 10, 1155-62  Different suppressive effects of fucoidan and lentinan on IL-8 mRNA expression in in vitro gut inflammation. 2009, 73, 2324-5  Focus on antivirally active sulfated polysaccharides: from structure-activity analysis to clinical evaluation. <i>Glycobiology</i> , 2009, 19, 2-15  Ligand of scavenger receptor class A indirectly induces maturation of human blood dendritic cells via production of tumor necrosis factor-alpha. 2009, 113, 5839-47  Apoptosis inducing activity of fucoidan in HCT-15 colon carcinoma cells. 2009, 32, 1760-4	5.8	<ul><li>24</li><li>32</li><li>295</li><li>53</li><li>109</li></ul>

749	Study of sulfated derivatives of polyhydroxy compounds as inhibitors of blood coagulation. <b>2010</b> , 59, 232-235	4
748	Treatment of murine osteoarthritis with TrkAd5 reveals a pivotal role for nerve growth factor in non-inflammatory joint pain. <b>2010</b> , 149, 386-392	100
747	Evaluating the possible genotoxic, mutagenic and tumor cell proliferation-inhibition effects of a non-anticoagulant, but antithrombotic algal heterofucan. <b>2010</b> , 30, 708-15	26
746	Structure and antitumour activity of fucoidan isolated from sporophyll of Korean brown seaweed Undaria pinnatifida. <i>Carbohydrate Polymers</i> , <b>2010</b> , 81, 41-48	325
745	Convenient synthesis of sulfated oligofucosides. <b>2010</b> , 345, 1522-32	16
744	Polysaccharides from Turbinaria conoides: Structural features and antioxidant capacity. <b>2010</b> , 118, 823-829	121
743	Fucoidan present in brown algae induces apoptosis of human colon cancer cells. <b>2010</b> , 10, 96	178
742	Amelioration of experimental autoimmune encephalomyelitis in Lewis rats treated with fucoidan. <b>2010</b> , 24, 399-403	9
74 <sup>1</sup>	Toxicological evaluation of fucoidan from Undaria pinnatifidain vitro and in vivo. <b>2010</b> , 24, 1078-83	32
740	The differential effect of high and low molecular weight fucoidans on the severity of collagen-induced arthritis in mice. <b>2010</b> , 24, 1384-91	54
739	Development of an in vitro coculture of primary sensitive pig neurons and keratinocytes for the study of cutaneous neurogenic inflammation. <b>2010</b> , 19, 931-5	34
738	Sulfated polysaccharides and their anticoagulant activity: A review. <b>2010</b> , 46, 267-273	80
737	Inhibitory effect of fucoidan on nitric oxide production in lipopolysaccharide-activated primary microglia. <b>2010</b> , 37, 422-8	52
736	Biological effects of fucoidan isolated from Fucus vesiculosus on thrombosis and vascular cells. <b>2010</b> , 45, 51-7	13
735	A combined phase I and II open label study on the effects of a seaweed extract nutrient complex on osteoarthritis. <b>2010</b> , 4, 33-44	52
734	Designing a dedicated database for eukaryotic algae species [A case study on cross-species comparison of P450 enzymes. <b>2010</b> ,	
733	Overview of Anticoagulant Activity of Sulfated Polysaccharides from Seaweeds in Relation to their Structures, Focusing on those of Green Seaweeds. <b>2010</b> , 17, 2503-29	50
732	Biological activities of sulfated polysaccharides from tropical seaweeds. <b>2010</b> , 64, 21-8	418

731	Suppression by fucoidan of liver fibrogenesis via the TGF- <b>I</b> Smad pathway in protecting against oxidative stress. <b>2011</b> , 75, 833-40		39
730	Mechanism underlying the anti-inflammatory effect of sulphated polysaccharide from Padina tetrastromatica against carrageenan induced paw edema in rats. <b>2011</b> , 1, 294-301		15
729	Fucans, but not fucomannoglucuronans, determine the biological activities of sulfated polysaccharides from Laminaria saccharina brown seaweed. <b>2011</b> , 6, e17283		87
728	Chemical structures and bioactivities of sulfated polysaccharides from marine algae. <i>Marine Drugs</i> , <b>2011</b> , 9, 196-223	6	688
727	Heterofucans from the brown seaweed Canistrocarpus cervicornis with anticoagulant and antioxidant activities. <i>Marine Drugs</i> , <b>2011</b> , 9, 124-38	6	98
726	Structure and Use of Algal Sulfated Fucans and Galactans. <b>2011</b> , 229-261		4
725	Antioxidant and antiproliferative activities of heterofucans from the seaweed Sargassum filipendula. <i>Marine Drugs</i> , <b>2011</b> , 9, 952-66	6	104
724	Extraction of Lignocellulose and Algae for the Production of Bulk and Fine Chemicals. <b>2011</b> , 221-245		4
723	Natural glycans and glycoconjugates as immunomodulating agents. <b>2011</b> , 28, 937-52		37
722	Technological Effect and Nutritional Value of Dietary Antioxidant Fucus Fiber Added to Fish Mince. <b>2011</b> , 20, 295-307		10
721	Therapies from fucoidan; multifunctional marine polymers. <i>Marine Drugs</i> , <b>2011</b> , 9, 1731-60	6	252
720	Important determinants for fucoidan bioactivity: a critical review of structure-function relations and extraction methods for fucose-containing sulfated polysaccharides from brown seaweeds. <i>Marine Drugs</i> , <b>2011</b> , 9, 2106-30	6	433
719	Anti-inflammatory effects of fucoidan through inhibition of NF- <b>B</b> , MAPK and Akt activation in lipopolysaccharide-induced BV2 microglia cells. <b>2011</b> , 49, 1745-52		218
718	Cytotoxicity and cellular uptake of newly synthesized fucoidan-coated nanoparticles. <b>2011</b> , 79, 162-70		55
717	An unfractionated fucoidan from Ascophyllum nodosum: extraction, characterization, and apoptotic effects in vitro. <b>2011</b> , 74, 1851-61		101
716	Immunomodulatory activity of fucoidan against aspirin-induced gastric mucosal damage in rats. <b>2011</b> , 11, 157-63		73
715	Molecular characteristics of sulfated polysaccharides from Monostroma nitidum and their in vitro anticancer and immunomodulatory activities. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 48, 311-8	7.9	77
7 <del>1</del> 4	Fucoidan from Sargassum sp. and Fucus vesiculosus reduces cell viability of lung carcinoma and melanoma cells in vitro and activates natural killer cells in mice in vivo. <i>International Journal of Biological Macromolecules</i> <b>2011</b> 49 331-6	7.9	172

713	The potent activity of sulfated polysaccharide, ascophyllan, isolated from Ascophyllum nodosum to induce nitric oxide and cytokine production from mouse macrophage RAW264.7 cells: Comparison between ascophyllan and fucoidan. <b>2011</b> , 25, 407-15		62
712	Synthesis of sulfated dendrimers and studies of their anticoagulant and antiinflammatory activity. <b>2011</b> , 60, 2572-2578		2
711	The Medicinal Value of Biodiversity: New Hits to Fight Cancer. 2011,		
710	Anti-inflammatory compounds of macro algae origin: A review. <b>2011</b> , 5,		2
709	Can we extrapolate the outcomes of in vitro studies on murine endothelium to studies of human platelet-endothelium interactions? A technical note. <b>2011</b> , 7, 34-7		2
708	Evaluation of acute and subchronic toxicity of a non-anticoagulant, but antithrombotic algal heterofucan from the Spatoglossum schr\( \text{B}\)deri in Wistar rats. <b>2011</b> , 21, 674-679		10
707	Evaluation of Marine Brown Algae and Sponges from Brazil as Anticoagulant and Antiplatelet Products. <i>Marine Drugs</i> , <b>2011</b> , 9, 1346-58	6	15
706	Sulfated-polysaccharide fraction from red algae Gracilaria caudata protects mice gut against ethanol-induced damage. <i>Marine Drugs</i> , <b>2011</b> , 9, 2188-200	6	38
705	Galactans: an overview of their most important sourcing and applications as natural polysaccharides. <b>2011</b> , 54, 1075-1092		119
704	Fucoidan extract induces apoptosis in MCF-7 cells via a mechanism involving the ROS-dependent JNK activation and mitochondria-mediated pathways. <b>2011</b> , 6, e27441		103
703	An open-label dosing study to evaluate the safety and effects of a dietary plant-derived polysaccharide supplement on the N-glycosylation status of serum glycoproteins in healthy subjects. <b>2011</b> , 65, 648-56		11
702	IL-17 induces hyperalgesia via TNF-dependent neutrophil infiltration. <b>2011</b> , 152, 1838-1845		35
701	[Synthesis of low molecular weight mimetics of heparin]. <b>2011</b> , 37, 745-79		8
700	Differential growth response of Ulva lactuca to ammonium and nitrate assimilation. <b>2011</b> , 23, 345-351		60
699	Compositional heterogeneity of sulfated polysaccharides synthesized by the brown alga Costaria costata. <b>2011</b> , 47, 96-97		10
698	Preliminary structural characterization, anti-inflammatory and anticoagulant activities of chondroitin sulfates from marine fish cartilage. <b>2011</b> , 60, 746-753		22
697	In-vitro anticoagulant activity of fucoidan derivatives from brown seaweed Laminaria japonica. <b>2011</b> , 29, 679-685		22
696	Acid-promoted synthesis of per-O-sulfated fucooligosaccharides related to fucoidan fragments. <b>2011</b> , 346, 540-50		42

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695	Fucoidans from brown seaweeds Sargassum hornery, Eclonia cava, Costaria costata: structural characteristics and anticancer activity. <b>2011</b> , 164, 841-50		157
694	Antithrombotic effect of a polysaccharide fraction from Laminaria japonica from the South China Sea. <b>2011</b> , 25, 1362-6		13
693	Structural features and antitussive activity of water extracted polysaccharide from Adhatoda vasica. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 1970-1974	10.3	32
692	Aqueous and Methanolic Extracts of Suppress Cell Migration and Ear Edema Induced by Inflammatory Agents. <i>Marine Drugs</i> , <b>2011</b> , 9, 1332-45	6	25
691	Sulfated polysaccharide fucoidan ameliorates experimental autoimmune myocarditis in rats. <b>2011</b> , 16, 79-86		17
690	Serum IGF-1 concentrations change with soy and seaweed supplements in healthy postmenopausal American women. <b>2011</b> , 63, 743-8		20
689	A double-blind, randomized, placebo-controlled study to explore the efficacy of a dietary plant-derived polysaccharide supplement in patients with rheumatoid arthritis. <b>2011</b> , 50, 1111-9		6
688	Potential targets for anti-inflammatory and anti-allergic activities of marine algae: an overview. <b>2012</b> , 11, 90-101		41
687	Inhibitory effect of sulphated polysaccharide porphyran on nitric oxide production in lipopolysaccharide-stimulated RAW264.7 macrophages. <b>2012</b> , 151, 65-74		44
686	Complement activation and inhibition in wound healing. <b>2012</b> , 2012, 534291		47
685	Antiadhesive activity of polysaccharide-rich fractions from Lithothamnion muelleri. <b>2012</b> , 67, 391-7		5
684	Algal fucoidan, unlike heparin, has thrombolytic activity in a murine arterial thrombosis model. <b>2012</b> , 23, 359-66		18
683	Structure versus anticoagulant and antithrombotic actions of marine sulfated polysaccharides. <b>2012</b> , 22, 921-928		10
682	Marine Algae. <b>2012</b> , 273-280		2
681	Potential antibacterial and antioxidant properties of a sulfated polysaccharide from the brown marine algae Sargassum swartzii. <b>2012</b> , 10, 421-428		54
680	Novel procedures for the extraction of fucoidan from brown algae. <b>2012</b> , 47, 1691-1698		151
679	Fucanomics and galactanomics: marine distribution, medicinal impact, conceptions, and challenges. <i>Marine Drugs</i> , <b>2012</b> , 10, 793-811	6	51
678	Interactions between sulfated polysaccharides from sea brown algae and Toll-like receptors on HEK293 eukaryotic cells in vitro. <b>2012</b> , 154, 241-4		33

677	Evaluating the possible anticoagulant and antioxidant effects of sulfated polysaccharides from the tropical green alga Caulerpa cupressoides var. flabellata. <b>2012</b> , 24, 1159-1167		34
676	Fucoidan ameliorates scopolamine-induced neuronal impairment and memory dysfunction in rats via activation of cholinergic system and regulation of cAMP-response element-binding protein and brain-derived neurotrophic factor expressions. <b>2012</b> , 55, 711-720		5
675	Immunostimulatory activities of the sulfated polysaccharide ascophyllan from Ascophyllum nodosum in in vivo and in vitro systems. <b>2012</b> , 76, 1573-6		18
674	Molecular weight distribution of polysaccharides from edible seaweeds by high-performance size-exclusion chromatography (HPSEC). <b>2012</b> , 93, 153-9		72
673	A comparative study of antithrombotic and antiplatelet activities of different fucoidans from Laminaria japonica. <b>2012</b> , 129, 771-8		39
672	Seaweeds: A sustainable functional food for complementary and alternative therapy. <b>2012</b> , 23, 83-96		307
671	Taxonomy of Marine Macroalgae Used as Sources of Bioactive Compounds. 2012, 1-53		12
670	Turbinaria conoides (J. Agardh) sulfated polysaccharide protects rat@heart against myocardial injury. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 1275-9	7.9	12
669	Structure, fluorescence quenching and antioxidant activity of a carbohydrate polymer from Eugenia jambolana. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 158-64	7.9	6
668	Effect of the red seaweed Mastocarpus stellatus intake on lipid metabolism and antioxidant status in healthy Wistar rats. <b>2012</b> , 135, 806-11		35
667	ESIMS analysis of fucoidan preparations from Costaria costata, extracted from alga at different life-stages. <i>Carbohydrate Polymers</i> , <b>2012</b> , 90, 993-1002	10.3	66
666	In vitro characterization of the antiviral activity of fucoidan from Cladosiphon okamuranus against Newcastle Disease Virus. <b>2012</b> , 9, 307		82
665	Biogas from Macroalgae: is it time to revisit the idea?. <b>2012</b> , 5, 86		127
664	Antioxidant and DNA protection activities of a glycoprotein isolated from a seaweed, Saccharina japonica. <b>2012</b> , 47, 1020-1027		27
663	Extraction and Characterization of Bioactive Carbohydrates with Health Benefits from Marine Resources: Macro- and Microalgae, Cyanobacteria, and Invertebrates. <b>2012</b> , 159-172		1
662	Anti-inflammatory effects of sulphated polysaccharides extracted from brown marine algae. <b>2012</b> , 2, 525-532		7
661	The sulfated polysaccharide fucoidan stimulates osteogenic differentiation of human adipose-derived stem cells. <b>2012</b> , 21, 2204-11		47
660	Fucanomics and galactanomics: current status in drug discovery, mechanisms of action and role of the well-defined structures. <b>2012</b> , 1820, 1971-9		69

#### (2012-2012)

659	Involvement of the NO/cGMP/PKG/KATP pathway and endogenous opioids in the antinociceptive effect of a sulphated-polysaccharide fraction extracted from the red algae, Gracilaria caudata. <b>2012</b> , 2, 303-309	4
658	Sulfated polysaccharides of Turbinaria conoides dose-dependently mitigate oxidative stress by ameliorating antioxidants in isoproterenol induced myocardial injured rats: Evidence from histopathological study. <b>2012</b> , 64, 147-153	6
657	Structure-function relationship of anticoagulant and antithrombotic well-defined sulfated polysaccharides from marine invertebrates. <b>2012</b> , 65, 195-209	23
656	The effect of fucoidan on tyrosinase: computational molecular dynamics integrating inhibition kinetics. <b>2012</b> , 30, 460-73	24
655	Sulfated fucans extracted from algae Padina gymnospora have anti-inflammatory effect. <b>2012</b> , 22, 115-122	2 16
654	Effect of fucoidan extracted from mozuku on experimental cartilaginous tissue injury. <i>Marine Drugs</i> , <b>2012</b> , 10, 2560-70	7
653	A sulfated-polysaccharide fraction from seaweed Gracilaria birdiae prevents naproxen-induced gastrointestinal damage in rats. <i>Marine Drugs</i> , <b>2012</b> , 10, 2618-33	27
652	Inhibition of Reactive Oxygen Species (ROS) and Nitric Oxide (NO) by Gelidium elegans Using Alternative Drying and Extraction Conditions in 3T3-L1 and RAW 264.7 Cells. <b>2012</b> , 17, 122-8	12
651	Effects of oral administration of fucoidan extracted from Cladosiphon okamuranus on tumor growth and survival time in a tumor-bearing mouse model. <i>Marine Drugs</i> , <b>2012</b> , 10, 2337-48	50
650	Tascoll: a product of Ascophyllum nodosum enhances immune response of Caenorhabditis elegans against Pseudomonas aeruginosa infection. <i>Marine Drugs</i> , <b>2012</b> , 10, 84-105	25
649	An antithrombotic fucoidan, unlike heparin, does not prolong bleeding time in a murine arterial thrombosis model: a comparative study of Undaria pinnatifida sporophylls and Fucus vesiculosus. <b>2012</b> , 26, 752-7	19
648	Quantum Mechanical Calculation of 13C NMR Chemical Shifts in a Series of Isomeric Fucobiosides with the Account for Conformational Equilibrium. <b>2012</b> , 31, 93-104	
647	Effect of enzyme-assisted extract of Sargassum coreanum on induction of apoptosis in HL-60 tumor cells. <b>2012</b> , 24, 675-684	30
646	Designed optimization of a single-step extraction of fucose-containing sulfated polysaccharides from Sargassum sp <b>2012</b> , 24, 715-723	65
645	Study on antithrombotic and antiplatelet activities of low molecular weight fucoidan from Laminaria japonica. <b>2012</b> , 11, 236-240	4
644	Genomic content of uncultured Bacteroidetes from contrasting oceanic provinces in the North Atlantic Ocean. <b>2012</b> , 14, 52-66	119
643	Antioxidant properties of seaweed polyphenol from Turbinaria ornata (Turner) J. Agardh, 1848. <b>2012</b> , 2, S90-S98	49
642	Effect of intraperitoneal PERIDANIzoncentrate adhesion reduction device on clinical findings, infection, and tissue healing in an adult horse jejunojejunostomy model. <b>2012</b> , 41, 568-81	15

641	Sulfated polysaccharides of brown seaweeds are ligands of toll-like receptors. <b>2012</b> , 6, 75-80		7
640	Algal fucoidan: structural and size-dependent bioactivities and their perspectives. <b>2012</b> , 93, 71-82		138
639	The JNk/NFkappaB pathway is required to activate murine lymphocytes induced by a sulfated polysaccharide from Ecklonia cava. <b>2013</b> , 1830, 2820-9		13
638	A comparative study of the anticoagulant activities of eleven fucoidans. <i>Carbohydrate Polymers</i> , <b>2013</b> , 91, 1-6	10.3	70
637	Brown seaweed fucoidan: biological activity and apoptosis, growth signaling mechanism in cancer. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 60, 366-74	7.9	213
636	Anti-inflammatory effect of a sulphated polysaccharide fraction extracted from the red algae Hypnea musciformis via the suppression of neutrophil migration by the nitric oxide signalling pathway. <b>2013</b> , 65, 724-33		36
635	The consumption of seaweed as a protective factor in the etiology of breast cancer: proof of principle. <b>2013</b> , 25, 771-779		44
634	Glycobiology: progress, problems, and perspectives. <b>2013</b> , 78, 679-96		17
633	Hexane fraction from Laminaria japonica exerts anti-inflammatory effects on lipopolysaccharide-stimulated RAW 264.7 macrophages via inhibiting NF-kappaB pathway. <b>2013</b> , 52, 409-21		28
632	Fucoidan prevents depression-like behavior in rats exposed to repeated restraint stress. 2013, 67, 534-	44	15
631	In vitro antioxidant activities of sulfated polysaccharide ascophyllan isolated from Ascophyllum nodosum. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 59, 305-12	7.9	40
630	The neuroprotective activities and antioxidant activities of the polysaccharides from Saccharina japonica. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 58, 240-4	7.9	13
629	Facile grafting of bioactive cellulose derivatives onto PVC surfaces. <b>2013</b> , 283, 411-416		18
628	Fucoidan extract enhances the anti-cancer activity of chemotherapeutic agents in MDA-MB-231 and MCF-7 breast cancer cells. <i>Marine Drugs</i> , <b>2013</b> , 11, 81-98	6	98
627	Seasonal changes in biological activity of lipids and photosynthetic pigments of Saccharina cichorioides (Miyabe) (Laminariaceae Family). <b>2013</b> , 39, 720-727		2
626	Fucoidan induces changes in the epithelial to mesenchymal transition and decreases metastasis by enhancing ubiquitin-dependent TGFI eceptor degradation in breast cancer. <b>2013</b> , 34, 874-84		96
625	Attenuation of streptozotocin-induced diabetic retinopathy with low molecular weight fucoidan via inhibition of vascular endothelial growth factor. <b>2013</b> , 115, 96-105		38
624	Structural analysis of heteropolysaccharide from Saccharina japonica and its derived oligosaccharides. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 697-704	7.9	15

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623	Click grafting of seaweed polysaccharides onto PVC surfaces using an ionic liquid as solvent and catalyst. <i>Carbohydrate Polymers</i> , <b>2013</b> , 98, 1644-9	10.3	25
622	Antinociceptive and anti-inflammatory activities of Sargassum wightii and Halophila ovalis sulfated polysaccharides in experimental animal models. <b>2013</b> , 16, 740-8		10
621	Marine-derived angiogenesis inhibitors for cancer therapy. <i>Marine Drugs</i> , <b>2013</b> , 11, 903-33	6	53
620	Effect of ascophyllan from brown algae Padina tetrastromatica on inflammation and oxidative stress in carrageenan-induced rats. <b>2013</b> , 36, 1268-78		9
619	Algae and cardiovascular health. <b>2013</b> , 369-415		4
618	Fucoidan directly regulates the chemotaxis of canine peripheral blood polymorphonuclear cells by activating F-actin polymerization. <b>2013</b> , 151, 124-31		4
617	A sulfated polysaccharide, fucans, isolated from brown algae Sargassum vulgare with anticoagulant, antithrombotic, antioxidant and anti-inflammatory effects. <i>Carbohydrate Polymers</i> , <b>2013</b> , 91, 467-75	10.3	193
616	Antioxidant activity of glycoprotein purified from Undaria pinnatifida measured by an in vitro digestion model. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 265-72	7.9	35
615	Sulfated polysaccharides of Armillariella mellea and their anti-inflammatory activities via NF- <b>B</b> suppression. <b>2013</b> , 54, 239-245		34
614	Fucoidans as a natural bioactive ingredient for functional foods. <i>Journal of Functional Foods</i> , <b>2013</b> , 5, 16-27	5.1	147
613	Pharmaceutically versatile sulfated polysaccharide based bionano platforms. 2013, 9, 605-26		58
612	Potential products from the highly diverse and endemic macroalgae of Southern Australia and pathways for their sustainable production. <b>2013</b> , 25, 717-732		34
611	Preliminary investigation of a highly sulfated galactofucan fraction isolated from the brown alga Sargassum polycystum. <b>2013</b> , 377, 48-57		46
610	Synergistic effect of fucoidan with antibiotics against oral pathogenic bacteria. <b>2013</b> , 58, 482-92		41
609	MicrowaveHydrothermal Extraction and Degradation of Fucoidan from Supercritical Carbon Dioxide Deoiled Undaria pinnatifida. <b>2013</b> , 52, 7940-7946		66
608	Synthesis and characterization of Fe3O4 nanoparticles coated with fucan polysaccharides. <b>2013</b> , 343, 138-143		188
607	Fucoidans from brown seaweeds: an update on structures, extraction techniques and use of enzymes as tools for structural elucidation. <b>2013</b> , 3, 8131-8141		200
606	Antiangiogenic activity and direct antitumor effect from a sulfated polysaccharide isolated from seaweed. <b>2013</b> , 88, 12-8		39

605	Antiinflammatory and antinociceptive effects in mice of a sulfated polysaccharide fraction extracted from the marine red algae Gracilaria caudata. <b>2013</b> , 35, 93-100		72
604	Effect of supplementing varying inclusion levels of laminarin and fucoidan on growth performance, digestibility of diet components, selected faecal microbial populations and volatile fatty acid concentrations in weaned pigs. <b>2013</b> , 183, 151-159		30
603	Induction of apoptosis by low-molecular-weight fucoidan through calcium- and caspase-dependent mitochondrial pathways in MDA-MB-231 breast cancer cells. <b>2013</b> , 77, 235-42		42
602	Biological Activity of Algal Sulfated and Nonsulfated Polysaccharides. <b>2013</b> , 219-247		7
601	Supplementation of elderly Japanese men and women with fucoidan from seaweed increases immune responses to seasonal influenza vaccination. <b>2013</b> , 143, 1794-8		55
600	Low molecular weight fucoidan improves endoplasmic reticulum stress-reduced insulin sensitivity through AMP-activated protein kinase activation in L6 myotubes and restores lipid homeostasis in a mouse model of type 2 diabetes. <b>2013</b> , 84, 147-57		42
599	Effect of dietary laminarin and fucoidan on selected microbiota, intestinal morphology and immune status of the newly weaned pig. <b>2013</b> , 110, 1630-8		80
598	Chemical structures of algal polysaccharides. <b>2013</b> , 23-86		20
597	Marine sulfated glycans with serpin-unrelated anticoagulant properties. 2013, 62, 269-303		11
596	Marine Biopolymers in Asian Nutraceuticals???????????????????. <b>2013</b> , 92-107		
595	Potent Anticancer Actions of Omega-3 Polyunsaturated Fatty Acids of Marine Nutraceuticals???????????????????. <b>2013</b> , 220-253		
594	Anticancer and cancer preventive properties of marine polysaccharides: some results and prospects. <i>Marine Drugs</i> , <b>2013</b> , 11, 4876-901	6	110
593	Influence of fucoidans on hemostatic system. <i>Marine Drugs</i> , <b>2013</b> , 11, 2444-58	6	54
592	Hydrolysis of fucoidan by fucoidanase isolated from the marine bacterium, Formosa algae. <i>Marine Drugs</i> , <b>2013</b> , 11, 2413-30	6	62
592 591		6	62 31
	Drugs, 2013, 11, 2413-30  The effect of sulfated (1-B)-⊞-fucan from the brown alga Saccharina cichorioides Miyabe on		
591	The effect of sulfated (1-B)-II-fucan from the brown alga Saccharina cichorioides Miyabe on resveratrol-induced apoptosis in colon carcinoma Cells. <i>Marine Drugs</i> , <b>2013</b> , 11, 194-212  Structure of fucoidan from brown seaweed Turbinaria ornata as studied by electrospray ionization mass spectrometry (ESIMS) and small angle X-ray scattering (SAXS) techniques. <i>Marine Drugs</i> , <b>2013</b> ,	6	31

587	Anticancer and antitumor potential of fucoidan and fucoxanthin, two main metabolites isolated from brown algae. <b>2014</b> , 2014, 768323	82
586	Anti-Proliferation Potential and Content of Fucoidan Extracted from Sporophyll of New Zealand Undaria pinnatifida. <i>Frontiers in Nutrition</i> , <b>2014</b> , 1, 9	34
585	Fucoidan extracted from Fucus evanescens prevents endotoxin-induced damage in a mouse model of endotoxemia. <i>Marine Drugs</i> , <b>2014</b> , 12, 886-98	25
584	Antiplatelet and anticoagulant effects of diterpenes isolated from the marine alga, Dictyota menstrualis. <i>Marine Drugs</i> , <b>2014</b> , 12, 2471-84	24
583	Protective Effects of Fucoidan Against Interleukin-1 Enduced Inflammation in SW982 Human Synovial Cells. <b>2014</b> , 26, 47-56	
582	Pro-angiogenic and Angiostatic Compounds from Terrestrial and Marine Sources. <b>2014</b> , 03,	
581	A Simple HPLC Assay for Ginsenoside-Rh2 in Plasma and Its Application for Pharmacokinetic Study in Rats. <b>2014</b> , 1,	1
580	Targeting P-selectin by gallium-68-labeled fucoidan positron emission tomography for noninvasive characterization of vulnerable plaques: correlation with in vivo 17.6T MRI. <b>2014</b> , 34, 1661-7	51
579	Low-molecular-weight fucoidan protects endothelial function and ameliorates basal hypertension in diabetic Goto-Kakizaki rats. <b>2014</b> , 94, 382-93	34
578	Fucoidans from marine algae as potential matrix metalloproteinase inhibitors. <b>2014</b> , 72, 177-193	5
577	Inhibitory potential of Turbinaria ornata against key metabolic enzymes linked to diabetes. <b>2014</b> , 2014, 783895	27
576	Fucoidan induces caspase-dependent apoptosis in MC3 human mucoepidermoid carcinoma cells. <b>2014</b> , 7, 228-232	21
575	Protective effect of Laminaria japonica with probiotics on murine colitis. <b>2014</b> , 2014, 417814	10
574	Anticancer effect of fucoidan in combination with tyrosine kinase inhibitor lapatinib. <b>2014</b> , 2014, 865375	15
573	LACAME 2012. <b>2014</b> ,	
572	Fucoidan, a sulfated polysaccharide, inhibits osteoclast differentiation and function by modulating RANKL signaling. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 18840-55	25
571	Low molecular weight fucoidan alleviates cardiac dysfunction in diabetic Goto-Kakizaki rats by reducing oxidative stress and cardiomyocyte apoptosis. <b>2014</b> , 2014, 420929	28
570	Marine medicinal glycomics. <b>2014</b> , 4, 5	16

569	In vitro anti-canine distemper virus activity of fucoidan extracted from the brown alga Cladosiphon okamuranus. <b>2014</b> , 25, 474-80		24
568	Ascophyllan purified from Ascophyllum nodosum induces Th1 and Tc1 immune responses by promoting dendritic cell maturation. <i>Marine Drugs</i> , <b>2014</b> , 12, 4148-64	6	52
567	Bioactive compounds from macroalgae in the new millennium: implications for neurodegenerative diseases. <i>Marine Drugs</i> , <b>2014</b> , 12, 4934-72	6	97
566	Fucoidans as a platform for new anticoagulant drugs discovery. <b>2014</b> , 86, 1365-1375		18
565	In Vitro Anti-tumor Effects of Chemically Modified Polysaccharides from Cherokee Rose Fruit. <b>2014</b> , 10, 473-479		2
564	A DOE Approach to Investigate the Influence of Process-Parameters and Composition on the Stability of Emulsions Stabilized by Marine Polysaccharides Prepared by High-Pressure Homogenization. <b>2014</b> , 35, 789-798		2
563	Cytotoxicity and inhibition of nitric oxide syntheses in LPS induced macrophage by water soluble fractions of brown seaweed. <b>2014</b> , 42, 269-274		8
562	Magnetic and MBsbauer studies of fucan-coated magnetite nanoparticles for application on antitumoral activity. <b>2014</b> , 224, 227-238		4
561	Emerging sulfated flavonoids and other polyphenols as drugs: nature as an inspiration. <b>2014</b> , 34, 223-79	)	56
560	Fucose-containing sulfated polysaccharides from brown macroalgae Lobophora variegata with antioxidant, anti-inflammatory, and antitumoral effects. <b>2014</b> , 26, 1783-1790		21
559	Effect of sulfated polysaccharides from Laminaria japonica on vascular endothelial cells in psychological stress rats. <i>Journal of Ethnopharmacology</i> , <b>2014</b> , 151, 601-8	5	12
558	The potential of seaweed as a source of drugs for use in cancer chemotherapy. <b>2014</b> , 26, 2211-2264		58
557	How to analyze the anticoagulant and antithrombotic mechanisms of action in fucanome and galactanome?. <b>2014</b> , 31, 89-99		5
556	Polysaccharide isolated from Agardhiella ramosissima: chemical structure and anti-inflammation activity. <i>Carbohydrate Polymers</i> , <b>2014</b> , 99, 59-67	10.3	34
555	Seafood Processing By-Products. <b>2014</b> ,		14
554	Antitumor effects of sulfated polysaccharides produced from marine algae. <b>2014</b> , 4, 122-132		7
553	Potential matrix metalloproteinase inhibitors from edible marine algae: a review. <b>2014</b> , 37, 1090-100		20
552	Purification of a fucoidan from kelp polysaccharide and its inhibitory kinetics for tyrosinase. <i>Carbohydrate Polymers</i> , <b>2014</b> , 99, 278-83	10.3	38

551	Seaweed and human health. <b>2014</b> , 72, 205-16		204
550	Laminaria japonica combined with probiotics improves intestinal microbiota: a randomized clinical trial. <b>2014</b> , 17, 76-82		10
549	Pyranoside-into-furanoside rearrangement: new reaction in carbohydrate chemistry and its application in oligosaccharide synthesis. <b>2014</b> , 20, 16516-22		50
548	Anticancer effects of fucoidan. <b>2014</b> , 72, 195-213		23
547	Marine-derived polysaccharides for regulation of allergic responses. <b>2014</b> , 73, 1-13		9
546	Systematic synthesis of sulfated oligofucosides and their effect on breast cancer MCF-7 cells. <b>2014</b> , 50, 9831-4		15
545	Anticoagulant motifs of marine sulfated glycans. <b>2014</b> , 31, 341-4		21
544	Polysaccharides isolated from Digenea simplex inhibit inflammatory and nociceptive responses. <i>Carbohydrate Polymers</i> , <b>2014</b> , 108, 17-25	10.3	21
543	Is the antithrombotic effect of sulfated galactans independent of serpin?. <b>2014</b> , 12, 43-53		26
542	Fucoidans: pro- or antiangiogenic agents?. <i>Glycobiology</i> , <b>2014</b> , 24, 1265-74	<del>5</del> .8	76
542 541	Fucoidans: pro- or antiangiogenic agents?. <i>Glycobiology</i> , <b>2014</b> , 24, 1265-74  Management of Ulva lactuca as a biofilter of mariculture effluents in IMTA system. <b>2014</b> , 434, 493-498	5.8	76 34
			<u> </u>
541	Management of Ulva lactuca as a biofilter of mariculture effluents in IMTA system. <b>2014</b> , 434, 493-498  Studies on anti-allergic activity of Sargassum horneri extract. <i>Journal of Functional Foods</i> , <b>2014</b> , 10, 154-1  A heteropolysaccharide, L-fuco-D-manno-1,6-ED-galactan extracted from Grifola frondosa and		34
54 <sup>1</sup> 540	Management of Ulva lactuca as a biofilter of mariculture effluents in IMTA system. <b>2014</b> , 434, 493-498  Studies on anti-allergic activity of Sargassum horneri extract. <i>Journal of Functional Foods</i> , <b>2014</b> , 10, 154-19.  A heteropolysaccharide, L-fuco-D-manno-1,6-ED-galactan extracted from Grifola frondosa and	<del>56</del> 0	34
541 540 539	Management of Ulva lactuca as a biofilter of mariculture effluents in IMTA system. <b>2014</b> , 434, 493-498  Studies on anti-allergic activity of Sargassum horneri extract. <i>Journal of Functional Foods</i> , <b>2014</b> , 10, 154-19.  A heteropolysaccharide, L-fuco-D-manno-1,6-D-galactan extracted from Grifola frondosa and antiangiogenic activity of its sulfated derivative. <i>Carbohydrate Polymers</i> , <b>2014</b> , 101, 631-41  Synthesis and biological evaluation of fucoidan-mimetic glycopolymers through cyanoxyl-mediated free-radical polymerization. <b>2014</b> , 15, 2359-68  Degradation of fucoidans from Sargassum fulvellum and their biological activities. <i>Carbohydrate</i>	<del>56</del> 0	34 17 34
<ul><li>541</li><li>540</li><li>539</li><li>538</li></ul>	Management of Ulva lactuca as a biofilter of mariculture effluents in IMTA system. 2014, 434, 493-498  Studies on anti-allergic activity of Sargassum horneri extract. <i>Journal of Functional Foods</i> , 2014, 10, 154-154. A heteropolysaccharide, L-fuco-D-manno-1,6-D-galactan extracted from Grifola frondosa and antiangiogenic activity of its sulfated derivative. <i>Carbohydrate Polymers</i> , 2014, 101, 631-41  Synthesis and biological evaluation of fucoidan-mimetic glycopolymers through cyanoxyl-mediated free-radical polymerization. 2014, 15, 2359-68  Degradation of fucoidans from Sargassum fulvellum and their biological activities. <i>Carbohydrate</i>	560 10.3	34 17 34 40
<ul><li>541</li><li>540</li><li>539</li><li>538</li><li>537</li></ul>	Management of Ulva lactuca as a biofilter of mariculture effluents in IMTA system. <b>2014</b> , 434, 493-498  Studies on anti-allergic activity of Sargassum horneri extract. <i>Journal of Functional Foods</i> , <b>2014</b> , 10, 154-1  A heteropolysaccharide, L-fuco-D-manno-1,6-ED-galactan extracted from Grifola frondosa and antiangiogenic activity of its sulfated derivative. <i>Carbohydrate Polymers</i> , <b>2014</b> , 101, 631-41  Synthesis and biological evaluation of fucoidan-mimetic glycopolymers through cyanoxyl-mediated free-radical polymerization. <b>2014</b> , 15, 2359-68  Degradation of fucoidans from Sargassum fulvellum and their biological activities. <i>Carbohydrate Polymers</i> , <b>2014</b> , 111, 822-9  Influence of red algal sulfated polysaccharides on blood coagulation and platelets activation in	560 10.3	34 17 34 40 29

533	Microalgal Hydrothermal Liquefaction: A Promising Way to Sustainable Bioenergy Production. <b>2015</b> , 736-751		4
532	Sulfated galactofucan from the brown alga Saccharina latissimavariability of yield, structural composition and bioactivity. <i>Marine Drugs</i> , <b>2014</b> , 13, 76-101	6	40
531	Intestinal absorption of fucoidan extracted from the brown seaweed, Cladosiphon okamuranus. <i>Marine Drugs</i> , <b>2014</b> , 13, 48-64	6	75
530	Fucoidans Disrupt Adherence of Helicobacter pylori to AGS Cells In Vitro. <b>2015</b> , 2015, 120981		15
529	Antitumor Effects of Fucoidan on Human Colon Cancer Cells via Activation of Akt Signaling. <b>2015</b> , 23, 225-32		45
528	Therapies from Fucoidan: An Update. <i>Marine Drugs</i> , <b>2015</b> , 13, 5920-46	6	236
527	Fucoidan from Fucus vesiculosus protects against alcohol-induced liver damage by modulating inflammatory mediators in mice and HepG2 cells. <i>Marine Drugs</i> , <b>2015</b> , 13, 1051-67	6	41
526	Fucoidan from Macrocystis pyrifera has powerful immune-modulatory effects compared to three other fucoidans. <i>Marine Drugs</i> , <b>2015</b> , 13, 1084-104	6	100
525	Fucoidan and cancer: a multifunctional molecule with anti-tumor potential. <i>Marine Drugs</i> , <b>2015</b> , 13, 232	7 <i>6</i> 46	183
524	Marine polysaccharides from algae with potential biomedical applications. <i>Marine Drugs</i> , <b>2015</b> , 13, 2967	- <del>8</del> 028	363
523	Purification and Characterization of a Fucoidanase (FNase S) from a Marine Bacterium Sphingomonas paucimobilis PF-1. <i>Marine Drugs</i> , <b>2015</b> , 13, 4398-417	6	18
522	Marine Non-Glycosaminoglycan Sulfated Glycans as Potential Pharmaceuticals. <i>Pharmaceuticals</i> , <b>2015</b> , 8, 848-64	5.2	28
521	Fucoidan Extracts Ameliorate Acute Colitis. <b>2015</b> , 10, e0128453		55
520	Production of a Novel Fucoidanase for the Green Synthesis of Gold Nanoparticles by Streptomyces sp. and Its Cytotoxic Effect on HeLa Cells. <i>Marine Drugs</i> , <b>2015</b> , 13, 6818-37	6	33
519	Antiviral Potential of Algae Polysaccharides Isolated from Marine Sources: A Review. <b>2015</b> , 2015, 82520	3	158
518	Effectiveness of red alga Asparagopsis taxiformis extracts against Leishmania infantum. 2015, 10,		6
517	Synergistic Effect between Fucoidan and Antibiotics against Clinic Methicillin-Resistant <i>Staphylococcus aureus</i>. <b>2015</b> , 06, 275-285		12
516	Antioxidant activity and growth inhibition of human colon cancer cells by crude and purified fucoidan preparations extracted from Sargassum cristaefolium. <b>2015</b> , 23, 766-777		59

515	Natural bacterial and plant biomolecules bearing ⊞-glucuronic acid residues. <b>2015</b> , 64, 1273-1301	3
514	Further studies on structure of fucoidan from brown alga Saccharina gurjanovae. <i>Carbohydrate Polymers</i> , <b>2015</b> , 121, 207-16	52
513	Inhibitory activity of Sargassum hemiphyllum sulfated polysaccharide in arachidonic acid-induced animal models of inflammation. <b>2015</b> , 23, 49-56	29
512	Marine Functional Foods. <b>2015</b> , 969-994	10
511	Cell Wall Polysaccharides of Marine Algae. <b>2015</b> , 543-590	30
510	Seaweed Flora of the European North Atlantic and Mediterranean. <b>2015</b> , 65-178	23
509	Sulfated glycans in inflammation. <b>2015</b> , 92, 353-69	77
508	Algal Polysaccharides and Their Biological Applications. <b>2015</b> , 411-452	3
507	Fucoidan reduces inflammatory response in a rat model of hepatic ischemia-reperfusion injury. <b>2015</b> , 93, 999-1005	24
506	Structural characterization and pharmaceutical properties of porphyran. <b>2015</b> , 9, 93	11
505	Interference with the CXCL12/CXCR4 axis as potential antitumor strategy: superiority of a sulfated galactofucan from the brown alga Saccharina latissima and fucoidan over heparins. <i>Glycobiology</i> , 5.8 <b>2015</b> , 25, 812-24	34
504	Fucoidans of brown algae: Biosynthesis, localization, and physiological role in thallus. <b>2015</b> , 41, 145-156	34
503	Influence of fucoidans and their derivatives on antitumor and phagocytic activity of human blood leucocytes. <b>2015</b> , 80, 925-33	10
502	Fucoidan, A Sulfated Polysaccharides from Brown Algae as Therapeutic Target for Cancer. <b>2015</b> , 145-164	6
501	Low-Molecular-Weight Fucoidan Inhibits the Viability and Invasiveness and Triggers Apoptosis in IL-1 Treated Human Rheumatoid Arthritis Fibroblast Synoviocytes. <b>2015</b> , 38, 1777-86	27
500	The effect of sulfated polysaccharides from brown seaweed Laminaria japonica on the morphology of lymfoid organs and functional characteristics of immunocompetent cells. <b>2015</b> , 9, 86-94	2
499	Microwave assisted extraction of sulfated polysaccharides (fucoidan) from Ascophyllum nodosum and its antioxidant activity. <i>Carbohydrate Polymers</i> , <b>2015</b> , 129, 101-7	187
498	Antioxidant activity and structural features of Cinnamomum zeylanicum. <b>2015</b> , 5, 939-947	15

497	Bioactive compounds from brown seaweeds: Phloroglucinol, fucoxanthin and fucoidan as promising therapeutic agents against breast cancer. <b>2015</b> , 14, 91-98		108
496	Review: prospects for the use of extracts and polysaccharides from marine algae to prevent and treat the diseases caused by Helicobacter pylori. <b>2015</b> , 20, 89-97		48
495	Seaweed carbohydrates. <b>2015</b> , 141-192		34
494	Systematic synthesis of low-molecular weight fucoidan derivatives and their effect on cancer cells. <b>2015</b> , 13, 10556-68		47
493	Structure and anticancer activity in vitro of sulfated galactofucan from brown alga Alaria angusta.  Carbohydrate Polymers, <b>2015</b> , 132, 118-25	.3	50
492	Fucoidan Analysis by Tandem MALDI-TOF and ESI Mass Spectrometry. <b>2015</b> , 1308, 299-312		4
491	Algal Polysaccharides and Health. <b>2015</b> , 109-144		13
490	Characterisation of the hypoglycaemic activity of glycoprotein purified from the edible brown seaweed, Undaria pinnatifida. <b>2015</b> , 50, 143-150		12
489	A method for coating fucoidan onto bare metal stent and in vivo evaluation. <b>2015</b> , 78, 348-356		17
488	The novel strain Fusarium proliferatum LE1 (RCAM02409) produces £L-fucosidase and arylsulfatase during the growth on fucoidan. <b>2015</b> , 55, 471-9		15
487	Potential anti-angiogenic, antiproliferative, antioxidant, and anticoagulant activity of anionic polysaccharides, fucans, extracted from brown algae Lobophora variegata. <b>2015</b> , 27, 1315-1325		27
486	The beneficial properties of marine polysaccharides in alleviation of allergic responses. <b>2015</b> , 59, 129-38		43
485	Screening of complex fucoidans from four brown algae species as procoagulant agents.  Carbohydrate Polymers, <b>2015</b> , 115, 677-85	.3	19
484	Anti-HIV activity of fucoidans from three brown seaweed species. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 122-8	.3	75
483	Structure and hypolipidaemic activity of fucoidan extracted from brown seaweed Sargassum henslowianum. <b>2015</b> , 29, 411-5		29
482	Physicochemical and Biological Characterization of Fucoidan from Fucus vesiculosus Purified by Dye Affinity Chromatography. <i>Marine Drugs</i> , <b>2016</b> , 14,		44
481	Polysaccharide Extracted from Laminaria japonica Delays Intrinsic Skin Aging in Mice. <b>2016</b> , 2016, 5137386		5
480	An Aqueous Extract of Marine Microalgae Exhibits Antimetastatic Activity through Preferential Killing of Suspended Cancer Cells and Anticolony Forming Activity. <b>2016</b> , 2016, 9730654		11

479	Pectic Oligosaccharides and Other Emerging Prebiotics. 2016,		13
478	Fucoidans in Nanomedicine. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	61
477	The Structure-Activity Relationship between Marine Algae Polysaccharides and Anti-Complement Activity. <i>Marine Drugs</i> , <b>2015</b> , 14, 3	6	30
476	Marine Origin Polysaccharides in Drug Delivery Systems. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	153
475	Sulfated Seaweed Polysaccharides as Multifunctional Materials in Drug Delivery Applications. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	280
474	Marine Natural Product Inhibitors of Neutrophil-Associated Inflammation. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	4
473	Identification of a Pro-Angiogenic Potential and Cellular Uptake Mechanism of a LMW Highly Sulfated Fraction of Fucoidan from Ascophyllum nodosum. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	23
472	Preliminary Study on the and Effects of Bioactive Phycoderivates on Teleosts. <b>2016</b> , 7, 459		19
471	In vitro antimicrobial and anti-oxidant potentials of selected seaweeds of Andaman and Nicobar Islands, India. <b>2016</b> , 11, 874		
470	Seaweeds as Source of New Bioactive Prototypes. <b>2016</b> ,		1
469	Stimulatory effect of an algal fucoidan on the release of vascular endothelial tissue-type plasminogen activator as a mechanism of fucoidan-mediated thrombolysis. <b>2016</b> , 27, 594-6		8
468	HPLC profiling of antimicrobial and antioxidant phyco sugars isolated from the South West coast of India. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 584-592	10.3	
467	Prospects for the use of sulfated polysaccharides from brown seaweeds as vaccine adjuvants. <b>2016</b> , 42, 443-450		5
466	Expression and biochemical characterization and substrate specificity of the fucoidanase from Formosa algae. <i>Glycobiology</i> , <b>2017</b> , 27, 254-263	5.8	27
465	Anticoagulant properties and cytotoxic effect against HCT116 human colon cell line of sulfated glycosaminoglycans isolated from the Norway lobster (Nephrops norvegicus) shell. <b>2016</b> , 80, 322-330		24
464	Primary structure, conformation in aqueous solution, and intestinal immunomodulating activity of fucoidan from two brown seaweed species Sargassum crassifolium and Padina australis. <i>Carbohydrate Polymers</i> , <b>2016</b> , 147, 69-78	10.3	39
463	Sulfated fucoidan FP08S2 inhibits lung cancer cell growth in vivo by disrupting angiogenesis via targeting VEGFR2/VEGF and blocking VEGFR2/Erk/VEGF signaling. <b>2016</b> , 382, 44-52		51
462	Potential anti-inflammatory natural products from marine algae. <b>2016</b> , 48, 22-30		122

461	Protective effect of porphyran isolated from discolored nori (Porphyra yezoensis) on lipopolysaccharide-induced endotoxin shock in mice. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1273-1278	'.9	21
460	Study on Branched Structure <b>P</b> hysiological Activity Relationship of Fucoidan. <b>2016</b> , 45, 840-842		3
459	The comparison of structure and anticancer activity in vitro of polysaccharides from brown algae Alaria marginata and A. angusta. <i>Carbohydrate Polymers</i> , <b>2016</b> , 153, 258-265	0.3	44
458	Enhanced anti-inflammatory activity of brown seaweed Laminaria japonica by fermentation using Bacillus subtilis. <b>2016</b> , 51, 1945-1953		25
457	Overview of microalgal extracellular polymeric substances (EPS) and their applications. <b>2016</b> , 34, 1225-12	244	331
456	A comparison of the effects of an Ascophyllum nodosum ethanol extract and its molecular weight fractions on the inflammatory immune gene expression in-vitro and ex-vivo. <b>2016</b> , 37, 276-285		16
455	Introduction to Glycobiology and Human Diseases. <b>2016</b> , 1-27		1
454	A review about the development of fucoidan in antitumor activity: Progress and challenges.  **Carbohydrate Polymers*, <b>2016</b> , 154, 96-111	0.3	120
453	Protective Effect of the Sulfated Agaran Isolated from the Red Seaweed Laurencia aldingensis Against Toxic Effects of the Venom of the Snake, Lachesis muta. <b>2016</b> , 18, 619-629		8
452	Evaluation of the nutritional profile and antioxidant and anti-cholinesterase activities of Padina gymnospora (Phaeophyceae). <b>2016</b> , 51, 482-490		10
451	Dual and antagonic therapeutic effects of sulfated glycans. <b>2016</b> , 24, 3965-3971		8
450	Gliptins in managing diabetes - Reviewing computational strategy. <b>2016</b> , 166, 108-120		22
449	Ring distortion in pyranosides caused by per-O-sulfation. <b>2016</b> , 436, 20-24		6
448	Bioactivity and Mechanism of Action of Marine Glycans. <b>2016</b> , 71-86		
447	Partial Sequencing, Structural Characterization, and Anticoagulant Activity of Heparan Sulfate and Sulfated Chitosan from Selected Indian Marine Mollusks. <b>2016</b> , 149-164		
446	Marine glycans in relationship with probiotic microorganisms to improve human and animal health. <b>2016</b> , 67-84		1
445	Seafood Quality Issues. <b>2016</b> , 35-54		
444	Fucoidan reduces oxidative stress by regulating the gene expression of HO-1 and SOD-1 through the Nrf2/ERK signaling pathway in HaCaT cells. <b>2016</b> , 14, 3255-60		44

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443	Polysaccharides of algae 68. Sulfated polysaccharides from the Kamchatka brown alga Laminaria bongardiana. <b>2016</b> , 65, 2729-2736	8
442	Prospects for the therapeutic application of sulfated polysaccharides of brown algae in diseases of the cardiovascular system: review. <b>2016</b> , 54, 3126-3135	30
441	Fucoidan Extracted from Hijiki Protects Brain Microvessel Endothelial Cells Against Diesel Exhaust Particle Exposure-Induced Disruption. <b>2016</b> , 19, 466-71	5
440	Seaweeds in Human Health. <b>2016</b> , 319-367	21
439	Structural characterization and anti-inflammatory activity of two novel polysaccharides from the sea squirt, Ascidiella aspersa. <b>2016</b> , 40, 69-79	6
438	Fucoidan Hydrogels Photo-Cross-Linked with Visible Radiation As Matrices for Cell Culture. <b>2016</b> , 2, 1151-116	130
437	Dietary fucoidan modulates the gut microbiota in mice by increasing the abundance of Lactobacillus and Ruminococcaceae. <b>2016</b> , 7, 3224-32	180
436	Low molecular weight fucoidan ameliorates streptozotocin-induced hyper-responsiveness of aortic smooth muscles in type 1 diabetes rats. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 191, 341-349	19
435	Antiviral activity and pathogenetic targets for seaweed sulfated polysaccharides in herpesvirus infections. <b>2016</b> , 10, 31-42	4
434	A review of the components of brown seaweeds as potential candidates in cancer therapy. <b>2016</b> , 6, 12592-12	61 <u>k</u> 08
433	The Experimental Research (In Vitro) of Carrageenans and Fucoidans to Decrease Activity of Hantavirus. <b>2016</b> , 8, 120-4	10
432	Cationic Dye for the Specific Determination of Sulfated Polysaccharides. <b>2016</b> , 49, 1948-1962	15
431	Mechanisms mediating nitroglycerin-induced delayed-onset hyperalgesia in the rat. <b>2016</b> , 317, 121-9	34
430	Structural characterization of sulfated arabinans extracted from Cladophora glomerata Ktzing and their macrophage activation. <b>2016</b> , 80, 972-82	17
429	Neuroprotective effect of fucoidan from Turbinaria decurrens in MPTP intoxicated Parkinsonic mice. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 86, 425-33	37
428	Composition and anti-inflammatory effect of polysaccharides from Sargassum horneri in RAW264.7 macrophages. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 88, 403-13	67
427	Structural elucidation and protective role of a polysaccharide from Sargassum fusiforme on ameliorating learning and memory deficiencies in mice. <i>Carbohydrate Polymers</i> , <b>2016</b> , 139, 150-8	69
426	Marine natural products with anti-inflammatory activity. <b>2016</b> , 100, 1645-1666	52

425	In vitro and in vivo hypoglycemic effects of brown algal fucoidans. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 249-55	7.9	90
424	The synthesis of heterosaccharides related to the fucoidan from Chordaria flagelliformis bearing an £L-fucofuranosyl unit. <b>2016</b> , 14, 598-611		24
423	Marine polysaccharide-based nanomaterials as a novel source of nanobiotechnological applications. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 315-27	7.9	112
422	Anticoagulant and antithrombotic activities of modified xylofucan sulfate from the brown alga Punctaria plantaginea. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 826-33	10.3	31
421	Identification of epiphytic bacterial communities associated with the brown alga Splachnidium rugosum. <b>2016</b> , 28, 1891-1901		19
420	NMR structural biology of sulfated glycans. <b>2017</b> , 35, 1069-1084		17
419	Inhibition of Influenza A Virus Infection by Fucoidan Targeting Viral Neuraminidase and Cellular EGFR Pathway. <b>2017</b> , 7, 40760		70
418	The seasonal variation of fucoidan within three species of brown macroalgae. <i>Algal Research</i> , <b>2017</b> , 22, 79-86	5	98
417	Development of a new type of multifunctional fucoidan-based nanoparticles for anticancer drug delivery. <i>Carbohydrate Polymers</i> , <b>2017</b> , 165, 410-420	10.3	94
416	A fucan of a brown seaweed and its antitumoral property on HT-29 and immunomodulatory activity in murine RAW 264.7 macrophage cell line. <b>2017</b> , 29, 2061-2075		4
415	Marine macromolecules cross-linked hydrogel scaffolds as physiochemically and biologically favorable entities for tissue engineering applications. <b>2017</b> , 28, 807-825		20
414	In vitro and in vivo evaluation of anti-arthritic, antioxidant efficacy of fucoidan from Undaria pinnatifida (Harvey) Suringar. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 97, 468-480	7.9	75
413	In vitro antioxidant and antibacterial activity of sulfated polysaccharides isolated from Spatoglossum asperum. <i>Carbohydrate Polymers</i> , <b>2017</b> , 170, 296-304	10.3	65
412	A comparison of the effect of fucoidan from alga Fucus vesiculosus and its fractions obtained by anion-exchange chromatography on HeLa G-63, Hep G2, and Chang liver cells. <b>2017</b> , 11, 242-249		5
411	Polysaccharides from Sargassum thunbergii: Monthly variations and anti-complement and anti-tumour activities. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 1526-1531	7.9	16
410		7.9	16
	anti-tumour activities. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 1526-1531	7.9	

407	Isolation of polyphenols with anticancer activity from the Baltic Sea brown seaweed Fucus vesiculosus using bioassay-guided fractionation. <b>2017</b> , 29, 2021-2037		33
406	Fucoidan as bio-functional molecule: Insights into the anti-inflammatory potential and associated molecular mechanisms. <i>Journal of Functional Foods</i> , <b>2017</b> , 38, 415-426	5.1	49
405	Marine polysaccharides: therapeutic efficacy and biomedical applications. 2017, 40, 1006-1020		60
404	Algae-Based Biologically Active Compounds. <b>2017</b> , 155-271		3
403	Oligo-Fucoidan prevents IL-6 and CCL2 production and cooperates with p53 to suppress ATM signaling and tumor progression. <b>2017</b> , 7, 11864		25
402	Pathophysiology, Prevention, and Treatment of Adhesions. <b>2017</b> , 153-165		1
401	Facile size-controlled synthesis of fucoidan-coated gold nanoparticles and cooperative anticancer effect with doxorubicin. <b>2017</b> , 5, 6147-6153		14
400	The structure-activity relationship between polysaccharides from Sargassum thunbergii and anti-tumor activity. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 686-692	7.9	28
399	Seaweed Polysaccharides: Structure and Applications. <b>2017</b> , 75-116		9
398	Facile production of seaweed-based biomaterials with antioxidant and anti-inflammatory activities. <i>Algal Research</i> , <b>2017</b> , 27, 1-11	5	21
397	Recent advances to accelerate re-endothelialization for vascular stents. <b>2017</b> , 8, 2041731417731546		50
396	Preclinical Evaluation of Safety of Fucoidan Extracts From Undaria pinnatifida and Fucus vesiculosus for Use in Cancer Treatment. <b>2017</b> , 16, 572-584		19
395	Melanoma and brown seaweed: an integrative hypothesis. <b>2017</b> , 29, 941-948		12
394	Sulfated polysaccharides of the Vietnamese brown alga Sargassum aquifolium (Fucales, Sargassaceae). <b>2017</b> , 449, 23-31		14
393	The influence of polyanion molecular weight on polyelectrolyte multilayers at surfaces: protein adsorption and protein-polysaccharide complexation/stripping on natural polysaccharide films on solid supports. <b>2017</b> , 19, 23790-23801		14
392	Purification, structural characterization and antiproliferative properties of chondroitin sulfate/dermatan sulfate from tunisian fish skins. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 32-39	7.9	28
391	Molecular mechanism of Antrodia cinnamomea sulfated polysaccharide on the suppression of lung cancer cell growth and migration via induction of transforming growth factor I receptor degradation. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 1144-1152	7.9	30
390	Application of seaweeds to develop new food products with enhanced shelf-life, quality and health-related beneficial properties. <b>2017</b> , 99, 1066-1083		152

389	Antidiabetic and anti-inflammatory potential of sulphated polygalactans from red seaweeds Kappaphycus alvarezii and Gracilaria opuntia. <b>2017</b> , 20, 1326-1337		25
388	Structural features and anticancer activity in vitro of fucoidan derivatives from brown alga Saccharina cichorioides. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 1503-1510	10.3	41
387	Dietary fucoidan improves metabolic syndrome in association with increased Akkermansia population in the gut microbiota of high-fat diet-fed mice. <i>Journal of Functional Foods</i> , <b>2017</b> , 28, 138-140	6 <sup>5.1</sup>	141
386	Algae as nutritional and functional food sources: revisiting our understanding. <b>2017</b> , 29, 949-982		660
385	Polysaccharides from macroalgae: Recent advances, innovative technologies and challenges in extraction and purification. <b>2017</b> , 99, 1011-1020		158
384	Fucoidan from Undaria pinnatifida regulates type II collagen and COX-2 expression via MAPK and PI3K pathways in rabbit articular chondrocytes. <b>2017</b> , 72, 1362-1369		10
383	The Identification of a SIRT6 Activator from Brown Algae Fucus distichus. Marine Drugs, 2017, 15,	6	28
382	Promoting Wound Healing Using Low Molecular Weight Fucoidan in a Full-Thickness Dermal Excision Rat Model. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	41
381	Fucoidan and Fucosylated Chondroitin Sulfate Stimulate Hematopoiesis in Cyclophosphamide-Induced Mice. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	16
380	The Sea as a Rich Source of Structurally Unique Glycosaminoglycans and Mimetics. <b>2017</b> , 5,		23
379	Pathogenesis and Inhibition of Flaviviruses from a Carbohydrate Perspective. <i>Pharmaceuticals</i> , <b>2017</b> , 10,	5.2	32
378	Biomedical Applications of Fucoidan, Seaweed Polysaccharides. <b>2017</b> , 269-281		5
377	Seaweed Polysaccharides and Their Production and Applications. 2017, 369-382		1
376	Fucoidans: Anticancer Activity and Molecular Mechanisms of Action. <b>2017</b> , 175-203		2
375	Extraction of Sulfated Polysaccharides (Fucoidan) From Brown Seaweed. 2017, 27-46		5
374	Green Synthesis of Metal Nanoparticles Using Seaweed Polysaccharides. <b>2017</b> , 101-109		5
373	Fucaceae: A Source of Bioactive Phlorotannins. International Journal of Molecular Sciences, 2017, 18,	6.3	66
372	Algal-Based Biopolymers. <b>2017</b> , 1-31		4

371	Algal Polysaccharides, Novel Application, and Outlook. <b>2017</b> , 115-153	26
370	Algae-Based Polyurethane Blends and Composites. <b>2017</b> , 415-458	1
369	EFFECT OF FUCOIDAN ON B16 MURINE MELANOMA CELL MELANIN FORMATION AND APOPTOSIS. <b>2017</b> , 14, 149-155	33
368	Protective Role of Fucoidan in Cerebral Ischemia-Reperfusion Injury through Inhibition of MAPK Signaling Pathway. <b>2017</b> , 25, 272-278	38
367	In vitro prebiotic effects of seaweed polysaccharides. <b>2018</b> , 36, 926-932	21
366	Bioactive potentials of sulfated polysaccharides isolated from brown seaweed Sargassum spp in related to human health applications: A review. <b>2018</b> , 81, 200-208	54
365	Saccharina japonica Extract Suppresses Stemness of Glioma Stem Cells by Degrading Epidermal Growth Factor Receptor Variant III. <b>2018</b> , 21, 496-505	4
364	Determination of Polysaccharides in Undaria pinnatifida by Ionic Liquid-Modified Silica Gel Size Exclusion Chromatography. <b>2018</b> , 51, 1999-2012	4
363	Potential of intensification techniques for the extraction and depolymerization of fucoidan. <i>Algal Research</i> , <b>2018</b> , 30, 128-148	45
362	Low molecular weight fucoidan attenuates liver injury via SIRT1/AMPK/PGC1\(\hat{\textbf{h}}\)xis in db/db mice.  **International Journal of Biological Macromolecules, <b>2018</b> , 112, 929-936  7-9	43
361	Fucoidan downregulates insulin-like growth factor-I receptor levels in HT-29 human colon cancer cells. <b>2018</b> , 39, 1516-1522	14
360	Fucoidan Prolongs the Circulation Time of Dextran-Coated Iron Oxide Nanoparticles. <b>2018</b> , 12, 1156-1169	53
359	Triterpenes from leaves of Cheiloclinium cognatum and their in vivo antiangiogenic activity. <b>2018</b> , 56, 360-366	1
358	A highly regular fucan sulfate from the sea cucumber Stichopus horrens. <b>2018</b> , 456, 5-9	15
357	Red alga polysaccharides attenuate angiotensin II-induced inflammation in coronary endothelial cells. <b>2018</b> , 500, 944-951	3
356	Marine polysaccharides attenuate metabolic syndrome by fermentation products and altering gut microbiota: An overview. <i>Carbohydrate Polymers</i> , <b>2018</b> , 195, 601-612	59
355	The Effect of Undaria pinnatifida Fucoidan on the Pharmacokinetics of Letrozole and Tamoxifen in Patients With Breast Cancer. <b>2018</b> , 17, 99-105	29
354	Comparative study by GC-MS and chemometrics on the chemical and nutritional profile of Fucus spiralis L. juvenile and mature life-cycle phases. <b>2018</b> , 30, 2539-2548	9

353	Scalable and cleavable polysaccharide nanocarriers for the delivery of chemotherapy drugs. <b>2018</b> , 72, 206-216		16
352	Fucoidan/VEGF-based surface modification of decellularized pulmonary heart valve improves the antithrombotic and re-endothelialization potential of bioprostheses. <b>2018</b> , 172, 14-29		40
351	An immobilized perylene diimide derivative for fucoidan purification from a crude brown algae extract. <b>2018</b> , 65, 233-238		12
350	Low molecular weight fucoidan ameliorates hindlimb ischemic injury in type 2 diabetic rats. <i>Journal of Ethnopharmacology</i> , <b>2018</b> , 210, 434-442	5	13
349	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. <b>2018</b> , 161, 22-25		8
348	Evaluation Fucoidan Extracts From Undaria pinnatifida and Fucus vesiculosus in Combination With Anticancer Drugs in Human Cancer Orthotopic Mouse Models. <b>2018</b> , 17, 755-761		19
347	Ultrasound-assisted extraction of polysaccharides from brown alga Fucus evanescens. Structure and biological activity of the new fucoidan fractions <b>2018</b> , 30, 2039-2046		32
346	Comparative study of the effect of different fucoidans from Sargassum maclurei and Saccharina japonica on FGFs/FGFR signaling activation in BaF3 cells. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 2429-2435	7.9	2
345	Purification, molecular properties, structural characterization, and immunomodulatory activities of water soluble polysaccharides from Sargassum angustifolium. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 793-802	7.9	49
344	The Sulfated Polysaccharides of Brown Algae and Products of Their Enzymatic Transformation as Potential Vaccine Adjuvants. <b>2018</b> , 13, 1934578X1801300		6
343	Mathematical Model of Platelet Intracellular Signaling After Activation by Fucoidan. <b>2018</b> , 12, 333-343		1
342	Structural Characterization of Fucoidan from : Assessment of Coagulation and Inflammatory Properties and Their Structure-Function Relationship <b>2018</b> , 1, 1880-1892		26
341	State-of-the-Art Extraction Methodologies for Bioactive Compounds from Algal Biome to Meet Bio-Economy Challenges and Opportunities. <i>Molecules</i> , <b>2018</b> , 23,	4.8	47
340	Algal Polysaccharides as Therapeutic Agents for Atherosclerosis. <b>2018</b> , 5, 153		48
339	Fucoidans inhibit the formation of post-operative abdominal adhesions in a rat model. <b>2018</b> , 13, e02077	97	9
338	Fucoidan Extracted from the New Zealand -Physicochemical Comparison against Five Other Fucoidans: Unique Low Molecular Weight Fraction Bioactivity in Breast Cancer Cell Lines. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	29
337	Comparative analysis of nanosystems@ffects on human endothelial and monocytic cell functions. <b>2018</b> , 12, 957-974		5
336	Impact of a (poly)phenol-rich extract from the brown algae Ascophyllum nodosum on DNA damage and antioxidant activity in an overweight or obese population: a randomized controlled trial. <b>2018</b> , 108, 688-700		36

335	Cytotoxicity and Antiangiogenic Activity of Agardh and Hauck Ethanolic Extracts. 2018, 2018, 3709491		8
334	Structure and Anti-Inflammatory Activity of a New Unusual Fucosylated Chondroitin Sulfate from. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	26
333	Influence of Modified Fucoidan and Related Sulfated Oligosaccharides on Hematopoiesis in Cyclophosphamide-Induced Mice. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	12
332	Marine Polysaccharides and Their Importance for Human Health. 2018, 485-528		1
331	A heteropolysaccharide from Saccharina japonica with immunomodulatory effect on RAW 264.7 cells. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 557-565	10.3	28
330	Fucoidan Inhibits the Proliferation of Leiomyoma Cells and Decreases Extracellular Matrix-Associated Protein Expression. <b>2018</b> , 49, 1970-1986		20
329	Use of Marine Compounds to Treat Ischemic Diseases. <b>2018</b> , 265-296		
328	Structural characterization and RAW264.7 murine macrophage stimulating activity of a fucogalactoglucan from. <b>2018</b> , 55, 4650-4660		6
327	Marine Carbohydrate-Based Compounds with Medicinal Properties. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	26
326	Seaweeds: Valuable Ingredients for the Pharmaceutical Industries. 2018, 49-95		4
325	Comparison study of bioactive substances and nutritional components of brown algae Sargassum fusiforme strains with different vesicle shapes. <b>2018</b> , 30, 3271-3283		10
324	Hydrothermal degradation of seaweed polysaccharide: Characterization and biological activities. <b>2018</b> , 268, 179-187		39
323	Phycochemical Constituents and Biological Activities of spp. Marine Drugs, 2018, 16,	6	82
322	Neutrophils contribute to the pathogenesis of hemorrhagic cystitis induced by ifosfamide. <b>2018</b> , 62, 96-108		7
321	Fucoidan and Its Health Benefits. <b>2018</b> , 223-238		3
320	Seaweeds and Cancer Prevention. <b>2018</b> , 269-290		8
319	Pharmacokinetic and Tissue Distribution of Fucoidan from after Oral Administration to Rats. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	59
318	Antiobesity, Antidiabetic, Antioxidative, and Antihyperlipidemic Activities of Bioactive Seaweed Substances. <b>2018</b> , 239-253		5

317	Absorption Study of Mozuku Fucoidan in Japanese Volunteers. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	26
316	Anti-inflammatory effect of low molecular weight fucoidan from Saccharina japonica on atherosclerosis in apoE-knockout mice. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 365-374	7.9	27
315	Novel hemagglutinin-binding sulfated oligofucosides and their effect on influenza virus infection. <b>2018</b> , 54, 7467-7470		7
314	Combined effects of seasonal variation and drying methods on the physicochemical properties and antioxidant activity of sugar kelp (Saccharina latissima). <b>2019</b> , 31, 1311-1332		26
313	Metabolites from Marine Microorganisms, Micro, and Macroalgae: Immense Scope for Pharmacology. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	57
312	Fucoidan isolated from Padina commersonii inhibit LPS-induced inflammation in macrophages blocking TLR/NF- <b>B</b> signal pathway. <i>Carbohydrate Polymers</i> , <b>2019</b> , 224, 115195	10.3	36
311	Enhancing the Extraction of Polysaccharides and Antioxidants from Macroalgae Using Sequential Hydrothermal-Assisted Extraction Followed by Ultrasound and Thermal Technologies. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	36
310	Sulfated polysaccharides (fucoidan) from the brown seaweed Silvetia compressa (J. Agardh) E. SerrB, T.O. Cho, S.M. Boo & Brawley. <b>2019</b> , 31, 3841-3847		6
309	Marine Glycosaminoglycans (GAGs) and GAG-Mimetics: Applications in Medicine and Tissue Engineering. <b>2019</b> , 625-648		
308	Characterization and screening of anti-tumor activity of fucoidan from acid-processed hijiki (Hizikia fusiforme). <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 139, 170-180	7.9	14
307	Studies on Proximate Composition and Phytochemical Profiling of Turbinaria ornata and its Antiproliferative Effect on Y79 Cell Lines. <b>2019</b> , 35, 495-502		5
306	Characterization and Immunomodulatory Effects of High Molecular Weight Fucoidan Fraction from the Sporophyll of in Cyclophosphamide-Induced Immunosuppressed Mice. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	26
305	Immunomodulatory and Antioxidant Activities of Sulfated Polysaccharides from Laminaria ochroleuca, Porphyra umbilicalis, and Gelidium corneum. <b>2019</b> , 21, 577-587		19
304	Osteogenic activity of non-genotoxic sulfated polysaccharides from the green seaweed Caulerpa sertularioides. <i>Algal Research</i> , <b>2019</b> , 42, 101546	5	3
303	Low-molecular-weight fucoidan: Chemical modification, synthesis of its oligomeric fragments and mimetics. <b>2019</b> , 485, 107806		8
302	Anti-Metabolic Syndrome Effects of Fucoidan from via Reactive Oxygen Species-Mediated Regulation of JNK, Akt, and AMPK Signaling. <i>Molecules</i> , <b>2019</b> , 24,	4.8	12
301	Fucoidan Structure and Activity in Relation to Anti-Cancer Mechanisms. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	98
300	Effects of Crude Subspecies Fucoidan Extract on Retinal Pigment Epithelium Cells-Implications for Use in Age-Related Macular Degeneration. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	13

299	Evaluation of the Immunomodulatory Effects of Fucoidan Derived from Tokida in Mice. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	23
298	The effect of salinity on Fucus ceranoides (Ochrophyta, Phaeophyceae) in the Mondego River (Portugal). <b>2019</b> , 37, 881-891		10
297	Fucoidan production: Approval key challenges and opportunities. <i>Carbohydrate Polymers</i> , <b>2019</b> , 211, 289-297	10.3	38
296	Mushrooms, Seaweed, and Their Derivatives as Functional Feed Additives for Aquaculture: An Updated View. <b>2019</b> , 62, 41-90		5
295	Structure Analysis and Anti-Tumor and Anti-Angiogenic Activities of Sulfated Galactofucan Extracted from. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	21
294	Optimization of bioactive compounds extraction assisted by microwave parameters from Kappaphycus alvarezii using RSM and ANFIS modeling. <b>2019</b> , 13, 2773-2789		9
293	The blood compatibility challenge. Part 4: Surface modification for hemocompatible materials: Passive and active approaches to guide blood-material interactions. <b>2019</b> , 94, 33-43		41
292	Anti-candidal and anti-virulence efficiency of selected seaweeds against azole resistance Candida albicans. <b>2019</b> , 20, 101195		3
291	Structure, antiproliferative and cancer preventive properties of sulfated \(\frac{1}{2}\)d-fucan from the marine bacterium Vadicella arenosi. <i>Carbohydrate Polymers</i> , <b>2019</b> , 221, 120-126	10.3	3
<b>2</b> 90	Antithrombotic Effect of Oral Administration of Mozuku (Cladosiphon okamuranus, Brown Seaweed) Extract in Rat. <b>2019</b> , 65, 171-176		3
289	Effects of Fucoidans from Five Different Brown Algae on Oxidative Stress and VEGF Interference in Ocular Cells. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	21
288	Oceans as a Source of Immunotherapy. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	10
287	CLEC-2-Induced Signaling in Blood Platelets. <b>2019</b> , 13, 26-35		0
286	Biological Activities of Fucoidan and the Factors Mediating Its Therapeutic Effects: A Review of Recent Studies. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	159
285	Pharmacological effects of Fucus spiralis extracts and phycochemicals: a comprehensive review. <b>2019</b> , 62, 167-178		5
284	Enhanced effects of curcumin encapsulated in polycaprolactone-grafted oligocarrageenan nanomicelles, a novel nanoparticle drug delivery system. <i>Carbohydrate Polymers</i> , <b>2019</b> , 217, 35-45	10.3	26
283	Physicochemical characterization of Sargassum fusiforme fucoidan fractions and their antagonistic effect against P-selectin-mediated cell adhesion. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 133, 656-662	7.9	23
282	Nutraceutical Potential of Seaweed Polysaccharides: Structure, Bioactivity, Safety, and Toxicity. <b>2019</b> , 18, 817-831		115

281	Fucoidan-rich Sargassum wightii extract supplemented with themylase improve growth and immune responses of Labeo rohita (Hamilton, 1822) fingerlings. <b>2019</b> , 31, 2469-2480		5
280	Health Aspects of Novel Hydrocolloids. <b>2019</b> , 601-622		3
279	Synthetic glycopolymers and natural fucoidans cause human platelet aggregation via PEAR1 and GPIb⊕2019, 3, 275-287		10
278	Emerging Biomedical Applications of Algal Polysaccharides. <b>2019</b> , 25, 1335-1344		14
277	Isolation and Bioactive Potential of Fucoidan from Marine Macroalgae Turbinaria conoides. <b>2019</b> , 4, 14	1114-14	189
276	The Pharmacokinetics of Fucoidan after Topical Application to Rats. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	29
275	Carbocatalysed hydrolytic cleaving of the glycosidic bond in fucoidan under microwave irradiation <b>2019</b> , 9, 30325-30334		4
274	Microalgae in modern cancer therapy: Current knowledge. <b>2019</b> , 111, 42-50		78
273	Evidence for the Fucoidan/P-Selectin Axis as a Therapeutic Target in Hypoxia-induced Pulmonary Hypertension. <b>2019</b> , 199, 1407-1420		25
272	Biorefinery Approach for Red Seaweeds Biomass as Source for Enzymes Production: Food and Biofuels Industry. <b>2019</b> , 413-446		1
271	Green Bio-processes. <b>2019</b> ,		3
270	Acidic polysaccharides isolated from marine algae inhibit the early step of viral infection. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 282-290	7.9	19
269	Application of marine-derived polysaccharides as immunostimulants in aquaculture: A review of current knowledge and further perspectives. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 86, 1177-1193	4.3	62
268	Recovery of bioactive and gelling extracts from edible brown seaweed Laminaria ochroleuca by non-isothermal autohydrolysis. <b>2019</b> , 277, 353-361		35
267	Comparative study on neuroprotective activities of fucoidans from Fucus vesiculosus and Undaria pinnatifida. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 255-264	7.9	20
266	Purification, structural analysis and mechanism of murine macrophage cell activation by sulfated polysaccharides from Cystoseira indica. <i>Carbohydrate Polymers</i> , <b>2019</b> , 205, 261-270	10.3	30
265	Development of methotrexate loaded fucoidan/chitosan nanoparticles with anti-inflammatory potential and enhanced skin permeation. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 1115-1122	7.9	40
264	The combination of wheat peptides and fucoidan protects against chronic superficial gastritis and alters gut microbiota: a double-blinded, placebo-controlled study. <b>2020</b> , 59, 1655-1666		9

263	Baltic Fucus vesiculosus as potential bio-sorbent for Zn removal: Mechanism insight. <b>2020</b> , 238, 124652		4
262	Porphyran isolated from Pyropia yezoensis inhibits lipopolysaccharide-induced activation of dendritic cells in mice. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115457	10.3	13
261	Beneficial effects of three brown seaweed polysaccharides on gut microbiota and their structural characteristics: An overview. <b>2020</b> , 55, 1199-1206		22
<b>2</b> 60	Initial evaluation of six different brown algae species as source for crude bioactive fucoidans. <i>Algal Research</i> , <b>2020</b> , 45, 101759	5	23
259	The effect of polydisperse fucoidans from Fucus vesiculosus on Hep G2 and Chang liver cells. <b>2020</b> , 21, 100209		6
258	Therapeutic effects of an orally administered edible seaweed-derived polysaccharide preparation, ascophyllan HS, on a Streptococcus pneumoniae infection mouse model. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 154, 1116-1122	7.9	6
257	Size distribution and chain conformation of six different fucoidans using size-exclusion chromatography with multiple detection. <b>2020</b> , 1612, 460658		12
256	Seaweed and seaweed-derived metabolites as prebiotics. <b>2020</b> , 91, 97-156		9
255	Chitosan-toluidine blue beads for purification of fucoidans. Carbohydrate Polymers, 2020, 231, 115686	10.3	7
254	Bioactive compounds in seaweeds: An overview of their biological properties and safety. <b>2020</b> , 135, 117	1013	55
253	"Fucoidan, a natural biopolymer in cancer combating: From edible algae to nanocarrier tailoring". <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 799-808	7.9	38
252	Fucoidan from Suppresses Postprandial Hyperglycemia by Inhibiting Na/Glucose Cotransporter 1 Activity. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	2
251	Immunomodulatory and Anti-Inflammatory Effects of Fucoidan: A Review. 2020, 12,		34
250	Effect of Enzymatically Extracted Fucoidans on Angiogenesis and Osteogenesis in Primary Cell Culture Systems Mimicking Bone Tissue Environment. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	9
249	Multifunctional role of fucoidan, sulfated polysaccharides in human health and disease: A journey under the sea in pursuit of potent therapeutic agents. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 4263-4278	7.9	29
248	Bioactive Polysaccharides from Seaweeds. <i>Molecules</i> , <b>2020</b> , 25,	4.8	45
247	A Comprehensive and Comparative Analysis of the Fucoidan Compositional Data Across the Phaeophyceae. <b>2020</b> , 11, 556312		20
246	Fucoidan Characterization: Determination of Purity and Physicochemical and Chemical Properties. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	19

245	Low Molecular Weight Fucoidan from Saccharina Japonica Ameliorates the Antioxidant Capacity and Reduces Plaque Areas in Aorta in Apoe-Deficient Mice with Atherosclerosis. <b>2020</b> , 54, 804-810		1
244	Composition of polysaccharides and radiosensitizing activity of native and sulfated laminarans from the T <del>UID</del> asicrassa Kloczc. et Krupn. <i>Carbohydrate Polymers</i> , <b>2020</b> , 250, 116921	10.3	4
243	Opportunity of plant oligosaccharides and polysaccharides in drug development. <b>2020</b> , 587-639		3
242	Inhibition of glucuronomannan hexamer on the proliferation of lung cancer through binding with immunoglobulin G. <i>Carbohydrate Polymers</i> , <b>2020</b> , 248, 116785	10.3	2
241	Fucoidan-Doxorubicin Nanoparticles Targeting P-Selectin for Effective Breast Cancer Therapy. <i>Carbohydrate Polymers</i> , <b>2020</b> , 249, 116837	10.3	19
240	The structure-activity relationship of the interactions of SARS-CoV-2 spike glycoproteins with glucuronomannan and sulfated galactofucan from Saccharina japonica. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 1649-1658	7.9	30
239	Pharmaceutical and Nutraceutical Potential Applications of. <b>2020</b> , 2020, 2417410		5
238	Marine-derived Potential Anti-inflammatory Agents. <b>2020</b> , 2585-2605		1
237	Bioactive Polysaccharides from Marine Macroalgae. <b>2020</b> , 121-145		1
236	Marine-origin Polysaccharides for Tissue Engineering and Regenerative Medicine. <b>2020</b> , 2619-2650		1
235	Ascophyllan. <b>2020</b> , 793-809		
234	Extraction and Purification of Fucoidan from Marine Sources. <b>2020</b> , 1093-1125		2
233	Marine Algal Polysaccharides and Their Applications. <b>2020</b> , 1195-1208		2
232	Protective effect and mechanism of fucoidan on intestinal mucosal barrier function in NOD mice. <b>2020</b> , 31, 939-953		5
231	Present Status, Limitations and Future Directions of Treatment Strategies Using Fucoidan-Based Therapies in Bladder Cancer. <b>2020</b> , 12,		4
230	Incorporation of FGF-2 into Pharmaceutical Grade Fucoidan/Chitosan Polyelectrolyte Multilayers. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	6
229	The anti-cancer effects of fucoidan: a review of both in vivo and in vitro investigations. <b>2020</b> , 20, 154		40
228	Interactions of fibroblast growth factors with sulfated galactofucan from Saccharina japonica. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 160, 26-34	7.9	5

227	Biocatalytic refining of polysaccharides from brown seaweeds. <b>2020</b> , 447-504		2
226	Fucoidan from acid-processed Hizikia fusiforme attenuates oxidative damage and regulate apoptosis. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 160, 390-397	.9	14
225	Are Infection and Fucoidan Consumption Associated with Fucoidan Absorption?. <i>Marine Drugs</i> , <b>2020</b> , 18,		3
224	Genome-wide analysis of the Saccharina japonica sulfotransferase genes and their transcriptional profiles during whole developmental periods and under abiotic stresses. <b>2020</b> , 20, 271		2
223	Targeting Biological Polyanions in Blood: Strategies toward the Design of Therapeutics. <b>2020</b> , 21, 2595-26	521	1
222	In Vitro Evaluation of Anti-Colon Cancer Potential of Crude Extracts of Fucoidan Obtained from Sargassum Glaucescens Pretreated by Compressional-Puffing. <b>2020</b> , 10, 3058		7
221	Marine-Derived Surface Active Agents: Health-Promoting Properties and Blue Biotechnology-Based Applications. <b>2020</b> , 10,		3
220	Indonesian Sargassum species bioprospecting: potential applications of bioactive compounds and challenge for sustainable development. <b>2020</b> , 95, 113-161		8
219	Bioactive and thermostable sulphated polysaccharide from Sargassum swartzii with drug delivery applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 153, 190-200	.9	19
218	Fucoidans: Downstream Processes and Recent Applications. <i>Marine Drugs</i> , <b>2020</b> , 18,		23
217	Improvement of Psoriasis by Alteration of the Gut Environment by Oral Administration of Fucoidan from. <i>Marine Drugs</i> , <b>2020</b> , 18,		10
216	Study on Absorption Mechanism and Tissue Distribution of Fucoidan. <i>Molecules</i> , <b>2020</b> , 25, 4.	.8	20
215	Selectins-The Two Dr. Jekyll and Mr. Hyde Faces of Adhesion Molecules-A Review. <i>Molecules</i> , <b>2020</b> , 25,	.8	19
214	Discovery and Characterization of an Endo-1,3-Fucanase From Marine Bacterium : A Novel Glycoside Hydrolase Family. <b>2020</b> , 11, 1674		10
213	Oligo-Fucoidan Prevents M2 Macrophage Differentiation and HCT116 Tumor Progression. <b>2020</b> , 12,		6
212	Harvesting and potential uses of selected red seaweeds in the Philippines with emerging high-value applications. <b>2020</b> , 95, 19-56		1
211	Fucoidan inhibits tooth movement by promoting restorative macrophage polarization through the STAT3 pathway. <b>2020</b> , 235, 5938-5950		3
<b>2</b> 10	Fucoidan protects against subacute diazinon-induced oxidative damage in cardiac, hepatic, and renal tissues. <b>2020</b> , 27, 11554-11564		23

209	The activation of NF- <b>B</b> and MAPKs signaling pathways of RAW264.7 murine macrophages and natural killer cells by fucoidan from Nizamuddinia zanardinii. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 56-67	7.9	16
208	Fucoidan Derived from Inhibits the Development of Human Ovarian Cancer via the Disturbance of Calcium Homeostasis, Endoplasmic Reticulum Stress, and Angiogenesis. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	20
207	The 25(OH)Vitamin D Status Affected the Effectiveness of Oligo Fucoidan in Patients with Chronic Hepatitis B Virus Infection with Immune Tolerance Phase. <b>2020</b> , 12,		1
206	Fucosylated chondroitin sulfate from the sea cucumber Hemioedema spectabilis: Structure and influence on cell adhesion and tubulogenesis. <i>Carbohydrate Polymers</i> , <b>2020</b> , 234, 115895	10.3	9
205	Inhibitory effect of porphyran on lipopolysaccharide-induced activation of human immune cells. <i>Carbohydrate Polymers</i> , <b>2020</b> , 232, 115811	10.3	6
204	Protective potential effects of fucoidan in hepatic cold ischemia-rerfusion injury in rats. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 498-507	7.9	5
203	Fucoidan functionalization on poly(vinyl alcohol) hydrogels for improved endothelialization and hemocompatibility. <b>2020</b> , 249, 120011		28
202	The Comparative Analysis of Antiviral Activity of Native and Modified Fucoidans from Brown Algae In Vitro and In Vivo. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	35
201	The scientometric analysis of the research on the algal foods. <b>2020</b> , 485-506		1
200	Antitumoral effects of fucoidan on bladder cancer. <i>Algal Research</i> , <b>2020</b> , 47, 101884	5	6
199	Fluorescent Multiplex Cell Rolling Assay: Simultaneous Capturing up to Seven Samples in Real-Time Using Spectral Confocal Microscopy. <b>2020</b> , 92, 6200-6206		1
198	Revisit the effects of fucoidan on gut microbiota in health and disease: What do we know and what do we need to know?. <b>2020</b> , 23, 100221		5
197	Toxicological effects of marine seaweeds: a cautious insight for human consumption. <b>2021</b> , 61, 500-521		9
196	A comparison of the bioremediation potential of five seaweed species in an integrated fish-seaweed aquaculture system: implication for a multi-species seaweed culture. <b>2021</b> , 13, 353-364		6
195	Ion-exchange purification and structural characterization of five sulfated fucoidans from brown algae. <i>Glycobiology</i> , <b>2021</b> , 31, 352-357	5.8	5
194	Oxidative stress as a therapeutic target for the prevention and treatment of early age-related macular degeneration. <b>2021</b> , 66, 423-440		10
193	Structural elucidation of fucoidans from Sargassum pallidum. <b>2021</b> , 33, 523-531		3
192	Exploring the Diversity of the Marine Environment for New Anti-cancer Compounds. 2021, 7,		6

191	Synthesis of low-molecular weight fucoidan derivatives and their binding abilities to SARS-CoV-2 spike proteins <b>2021</b> , 12, 2016-2021		2
190	Comparison of edible brown algae extracts for the inhibition of intestinal carbohydrate digestive enzymes involved in glucose release from the diet. <b>2021</b> , 10, e5		3
189	Clinical Efficacy of Brown Seaweeds and in the Prevention or Delay Progression of the Metabolic Syndrome: A Review of Clinical Trials. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
188	Isolation, fractionation and anticoagulant activity of a sulfated galactan extracted from the green algae Penicillus capitatus. <b>2021</b> , 51,		
187	Marine polysaccharides: green and recyclable resources as wound dressings. <b>2021</b> , 5, 5595-5616		18
186	Antibacterial Properties of Fucoidans from the Brown Algae L. of the Barents Sea. <b>2021</b> , 10,		6
185	Carbohydrate Systems in Targeted Drug Delivery: Expectation and Reality. 2021, 47, 71-98		1
184	Aquaculture Production of the Brown Seaweeds and : Applications in Food and Pharmaceuticals. <i>Molecules</i> , <b>2021</b> , 26,	4.8	10
183	Alkaloids from the sea sponges as stimulants of growth, development and productivity of agricultural plants. <b>2021</b> , 663, 012054		
182	A comprehensive review on the health benefits and nutritional significance of fucoidan polysaccharide derived from brown seaweeds in human, animals and aquatic organisms. <b>2021</b> , 27, 633-65	54	20
181	Comparison of human peripheral blood dendritic cell activation by four fucoidans. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 174, 477-484	7.9	7
180	Osteoinductive function of fucoidan on periodontal ligament stem cells: Role of PI3K/Akt and Wnt/Etatenin signaling pathways. <b>2021</b> ,		О
179	Dietary laminarin administration to enhance the immune responses, promote growing and strengthen physique in Ictalurus punctatus. <b>2021</b> , 27, 1181-1191		1
178	Inhibitory Effect of and Its Components on Replication of Respiratory Syncytial Virus In Vitro and In Vivo. <b>2021</b> , 13,		2
177	Prospects of Microalgae for Biomaterial Production and Environmental Applications at Biorefineries. <b>2021</b> , 13, 3063		12
176	Effect of fucoidan on ethanol-induced liver injury and steatosis in mice and the underlying mechanism. <b>2021</b> , 65,		2
175	Study of fucoidans as natural biomolecules for therapeutical applications in osteoarthritis. <i>Carbohydrate Polymers</i> , <b>2021</b> , 258, 117692	10.3	7
174	Potential health benefits of fucoidan from the brown seaweeds Sargassum plagiophyllum and Sargassum polycystum. <b>2021</b> , 33, 3357-3364		4

173	Prevention of cardiovascular disease through modulation of endothelial cell function by dietary seaweed intake. <i>Phytomedicine Plus</i> , <b>2021</b> , 1, 100026		3
172	Seaweed Polysaccharides: Structure, Extraction and Applications. <b>2021</b> , 61-74		
171	The Therapeutic Potential of the Anticancer Activity of Fucoidan: Current Advances and Hurdles. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	14
170	Opportunities and challenges of algal fucoidan for diabetes management. <b>2021</b> , 111, 628-641		7
169	An Overview to the Health Benefits of Seaweeds Consumption. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	15
168	Effects of Ingesting Fucoidan Derived from Tokida on Human NK Cells: A Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Pilot Study. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	2
167	Emerging prospects of macro- and microalgae as prebiotic. <b>2021</b> , 20, 112		16
166	Recent advances in microbial toxin-related strategies to combat cancer. <b>2021</b> ,		8
165	Coatings in Decellularized Vascular Scaffolds for the Establishment of a Functional Endothelium: A Scoping Review of Vascular Graft Refinement. <b>2021</b> , 8, 677588		1
164	Aqueous extracts characteristics obtained by ultrasound-assisted extraction from Ascophyllum nodosum seaweeds: effect of operation conditions. <b>2021</b> , 33, 3297-3308		2
163	Alginate and fucoidan changes the bacterial community in different directions and the alginate or fucoidan degrading bacteria isolated from paddy soil promotes the plant growth. <b>2021</b> , 203, 5183-5192	<u>)</u>	2
162	Ecklonia cava fucoidan has potential to stimulate natural killer cells in vivo. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 185, 111-121	7.9	8
161	The effect of seasonality and geographic location on sulphated polysaccharides from brown algae.		1
160	Fungi and Algae as Sources of Medicinal and Other Biologically Active Compounds: A Review. <b>2021</b> , 13,		4
159	Fucoidan Modulated Oxidative Stress and Caspase-3 mRNA Expression Induced by Sulfoxaflor in the Brain of Mice. <b>2021</b> , 39, 1908-1919		0
158	Effect of molecular mass and sulfate content of fucoidan from Sargassum siliquosum on antioxidant, anti-lipogenesis, and anti-inflammatory activity. <b>2021</b> , 132, 359-364		6
157	Fucoidan for cardiovascular application and the factors mediating its activities. <i>Carbohydrate Polymers</i> , <b>2021</b> , 270, 118347	10.3	5
156	Characterization of recombinant E. coli expressing a novel fucosidase from Bacillus cereus 2-8 belonging to GH95 family. <b>2021</b> , 186, 105897		1

155	Structural diversity of fucoidans and their radioprotective effect. Carbohydrate Polymers, 2021, 273, 11	18 <b>55.</b> ţ	5
154	Low molecular weight fucoidan attenuating pulmonary fibrosis by relieving inflammatory reaction and progression of epithelial-mesenchymal transition. <i>Carbohydrate Polymers</i> , <b>2021</b> , 273, 118567	10.3	3
153	Cytotoxicity of Seaweed Compounds, Alone or Combined to Reference Drugs, against Breast Cell Lines Cultured in 2D and 3D. <b>2021</b> , 9,		5
152	Polysaccharides as Bioactive Components of Functional Food. 133-158		1
151	Bioactive Metabolites and Value-Added Products from Marine Macroalgae. <b>2014</b> , 423-454		2
150	Fucoidan. <b>2020</b> , 95-120		2
149	Food and Feed Applications of Algae. <b>2016</b> , 217-247		9
148	Fucoidan from Fucus vesiculosus Fails to Improve Outcomes Following Intracerebral Hemorrhage in Mice. <b>2016</b> , 121, 191-8		3
147	Heparin-like entities from marine organisms. <b>2012</b> , 423-49		9
146	Production of Undaria pinnatifida sporophyll extract using pilot-scale ultrasound-assisted extraction: Extract characteristics and antioxidant and anti-inflammatory activities. <i>Algal Research</i> , <b>2020</b> , 51, 102039	5	6
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145	Review on marine carbohydrate-based gold nanoparticles represented by alginate and chitosan for biomedical application. <i>Carbohydrate Polymers</i> , <b>2020</b> , 244, 116311	10.3	20
145		10.3	20
	biomedical application. <i>Carbohydrate Polymers</i> , <b>2020</b> , 244, 116311	10.3	
144	biomedical application. <i>Carbohydrate Polymers</i> , <b>2020</b> , 244, 116311  Structure and Biological Activity Analysis of Fucoidan Isolated from. <b>2020</b> , 5, 32447-32455	10.3	9
144	biomedical application. <i>Carbohydrate Polymers</i> , <b>2020</b> , 244, 116311  Structure and Biological Activity Analysis of Fucoidan Isolated from. <b>2020</b> , 5, 32447-32455  A review on phytoconstituents of marine brown algae. <b>2020</b> , 6,  Low molecular weight fucoidan against renal ischemia-reperfusion injury via inhibition of the MAPK	10.3	9
144 143	biomedical application. <i>Carbohydrate Polymers</i> , <b>2020</b> , 244, 116311  Structure and Biological Activity Analysis of Fucoidan Isolated from. <b>2020</b> , 5, 32447-32455  A review on phytoconstituents of marine brown algae. <b>2020</b> , 6,  Low molecular weight fucoidan against renal ischemia-reperfusion injury via inhibition of the MAPK signaling pathway. <b>2013</b> , 8, e56224  Anti-metastasis effect of fucoidan from Undaria pinnatifida sporophylls in mouse hepatocarcinoma	10.3	9 13 49
144 143 142 141	Structure and Biological Activity Analysis of Fucoidan Isolated from. 2020, 5, 32447-32455  A review on phytoconstituents of marine brown algae. 2020, 6,  Low molecular weight fucoidan against renal ischemia-reperfusion injury via inhibition of the MAPK signaling pathway. 2013, 8, e56224  Anti-metastasis effect of fucoidan from Undaria pinnatifida sporophylls in mouse hepatocarcinoma Hca-F cells. 2014, 9, e106071  Isolation, characterisation and in vitro screening of anticataract potential of Fucoidan from	10.3	9 13 49 36

137	[Effect of sulfated polysaccharides from brown seaweed Laminaria japonica on the morfology of lymfoid organs and functional characteristics of immunocompetent cells]. <b>2014</b> , 60, 581-90	3
136	[Antiviral action and pathogenetic targets for seaweed sulfated polysaccharides in herpesvirus infections]. <b>2016</b> , 62, 217-27	4
135	Combined administration of fucoidan ameliorates tumor and chemotherapy-induced skeletal muscle atrophy in bladder cancer-bearing mice. <b>2016</b> , 7, 51608-51618	40
134	The Potential of Fucose-Containing Sulfated Polysaccharides As Scaffolds for Biomedical Applications. <b>2019</b> , 26, 6399-6411	7
133	Macroalgal Polysaccharides in Biomimetic Nanodelivery Systems. <b>2019</b> , 25, 1265-1289	3
132	Molecular Mechanisms Underlying Cancer Preventive and Therapeutic Potential of Algal Polysaccharides. <b>2019</b> , 25, 1210-1235	7
131	Applications of Algal Polysaccharides and Derivatives in Therapeutic and Agricultural Fields. <b>2019</b> , 25, 1187-1199	7
130	Recent Advances in Pharmaceutical Potential of Brown Algal Polysaccharides and their Derivatives. <b>2019</b> , 25, 1290-1311	13
129	Exploiting the Amazing Diversity of Natural Source-Derived Polysaccharides: Modern Procedures of Isolation, Engineering, and Optimization of Antiviral Activities. <b>2020</b> , 13,	11
128	Fucoidan enhances intestinal barrier function by upregulating the expression of claudin-1. <b>2013</b> , 19, 5500-7	45
127	Activation of NK cells in male cancer survivors by fucoidan extracted from. <b>2020</b> , 12, 81-88	10
126	Dietary Fucoidan from Padina boergesenii to Enhance Non-specific Immune of Catfish (Clarias sp.). <b>2019</b> , 19, 173-180	5
125	Esophageal cancer research today and tomorrow: Lessons from algae and other perspectives. <b>2018</b> , 5, 75-90	6
124	Apoptosis induction in cancer cell lines by the carotenoid Fucoxanthinol from JGI 52. <b>2018</b> , 50, 116-122	4
~ ~ ~		
123	Algae as Functional Foods for the Elderly. <b>2016</b> , 07, 1122-1148	5
123	Algae as Functional Foods for the Elderly. <b>2016</b> , 07, 1122-1148  Reevaluation of bactericidal, cytotoxic, and macrophage-stimulating activities of commercially available Fucus vesiculosus fucoidan. <b>2014</b> , 29, 237-247	5
	Reevaluation of bactericidal, cytotoxic, and macrophage-stimulating activities of commercially	

119	Quality Characteristics of Pork Patties Added with Seaweed Powder. 2012, 32, 77-83		40
118	Characterization of a sulfated fucan-specific carbohydrate-binding module: A promising tool for investigating sulfated fucans. <i>Carbohydrate Polymers</i> , <b>2022</b> , 277, 118748	10.3	O
117	In Vitro Anti-Orthohantavirus Activity of the High-and Low-Molecular-Weight Fractions of Fucoidan from the Brown Alga. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	3
116	treatment with fucoidan of mononuclear cells from SARS-CoV-2 infected patients. <b>2021</b> , 1-19		2
115	Chondroitin Sulfate and Fucosylated Chondroitin Sulfate as Stimulators of Hematopoiesis in Cyclophosphamide-Induced Mice. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	3
114	Targeting lectin-like oxidized low-density lipoprotein receptor-1 triggers autophagic program in esophageal cancer. <b>2021</b> ,		2
113	Naturally occurring heterocyclic anticancer compounds. 2021,		
112	Protection Effect of Undariia pinnatifida sporophylls-derived Fucoidan in Rat Lung Injury from X-ray Irradiation. <b>2009</b> , 42, 131-138		
111	Monographs of Herbal Principles. <b>2010</b> , 41-372		
110	Magnetic and MBsbauer studies of fucan-coated magnetite nanoparticles for application on antitumoral activity. <b>2013</b> , 221-232		
109	[Regular Paper] Variation in the Contents and Structure of Fucoidan from Cultivated Cladosiphon okamuranus Tokida. <b>2013</b> , 3, 248-252		О
108	Algal Polysaccharides and Health. <b>2014</b> , 1-29		2
107	Protective Effects of Fucoidan against Acute Alcohol-induced Liver Injury in Rats. <b>2014</b> , 46, 219-223		3
106	The secret health benefits of edible seaweeds - sea vegetables. <b>2016</b> , 5, 40-42		
105	Chitosan Nanoparticle System for Improving Blood Circulation. <b>2016</b> , 48, 153-158		
104	Cosmetic Effects of Dietary Fiber from Mozuku, Cladosiphon novae-caledoniae Kylin. <b>2016</b> , 42, 285-295	5	
103	Comparative Studies on Fucoidan Yield, Monosaccharide and Hypolipidemic Activity from Complex Enzymes and Water Method. <b>2017</b> ,		1
102	[CLEC-2 induced signalling in blood platelets]. <b>2018</b> , 64, 387-396		Ο

Antidiabetic, Anticoagulant, Anticholinesterase Inhibition, Anti-Tyrosinase and Anti-Inflammatory Activity of Three selected Seaweeds after Eradication of Phycocolloids from Vedalai. **2018**, 9,

100	Varech : Fucus vesiculosus L. (Fucaceae). <b>2018</b> , 16, 99-103		
99	Seaweed Biotechnology. <b>2019</b> , 145-196		1
98	Immunomodulatory and Therapeutic Potential of Marine Flora Products in the Treatment of Cancer. <b>2019</b> , 139-166		O
97	Effects of Peroxisome Proliferator-Activated Receptor Ligand and Brown Seaweed Based Compound on Megakaryocyte. <b>2019</b> , 5, 1-7		
96	Antitumor Effects of Fucoidan Via Apoptotic and Autophagic Induction on HSC-3 Oral Squamous CellCarcinoma. <b>2020</b> , 21, 2469-2477		5
95	The Role of Sulfates in Fucoidan Extracted from Fucus evanescens in Proinflammatory Cytokines Production by Human Peripheral Blood Cells in vitro. <b>2020</b> , 65, 3-10		
94	Low molecular weight fucoidan fraction LF2 improves metabolic syndrome via up-regulating PI3K-AKT-mTOR axis and increasing the abundance of Akkermansia muciniphila in the gut microbiota. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 193, 789-798	7.9	4
93	Brown Algae Carbohydrates: Structures, Pharmaceutical Properties, and Research Challenges. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	6
92	Bioactive Compounds of Seaweeds and Their Effects on Certain Types of Cancer. <b>2020</b> , 8, 112-119		
91	Biogenic Nanomaterials: Synthesis and Its Applications for Sustainable Development. <b>2020</b> , 99-132		2
90	Hypotriglyceridemic effects of brown seaweed consumption via regulation of bile acid excretion and hepatic lipogenesis in high fat diet-induced obese mice. <b>2020</b> , 14, 580-592		O
89	Anti-Proliferation Activity of Fucoidan in MKN45 Gastric Cancer Cells and Downregulation of Phosphorylated ASK1, a Cell Cycle-Regulated Kinase. <b>2015</b> , 58, 1-7		12
88	Metabolic strategies of sharing pioneer bacteria mediating fresh macroalgae breakdown.		
87	Emerging trends in environmental and industrial applications of marine carbonic anhydrase: a review. <b>2021</b> , 1		0
86	Bioactive Carbohydrate Polymers-Between Myth and Reality. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
85	Extraction of Fucoidan from and the Synthesis of Fucoidan-Coated AgNPs for Anticoagulant Application. <b>2021</b> , 6, 30998-31008		2
84	Systematic comparison of eight methods for preparation of high purity sulfated fucans extracted from the brown alga Pelvetia canaliculata <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 201, 143-143	7.9	O

83	Effect of Fucoidan on the Mitochondrial Membrane Potential (h) of Leukocytes from Patients with Active COVID-19 and Subjects That Recovered from SARS-CoV-2 Infection <i>Marine Drugs</i> , <b>2022</b> , 20,	6	3
82	Metabolic engineering for valorization of macroalgae biomass Metabolic Engineering, 2022,	9.7	1
81	Textural and Thermal Properties of the Novel Fucoidan/Nano-Oxides Hybrid Materials with Cosmetic, Pharmaceutical and Environmental Potential <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	О
80	Health benefits and potential applications of fucoidan (FCD) extracted from brown seaweeds in aquaculture: An updated review <i>Fish and Shellfish Immunology</i> , <b>2022</b> , 122, 115-115	4.3	5
79	Effects of crude polysaccharides from marine macroalgae on the adhesion and biofilm formation of Pseudomonas aeruginosa and Staphylococcus aureus. <i>Algal Research</i> , <b>2022</b> , 63, 102646	5	3
78	Antiviral Applications of Macroalgae. <b>2022</b> , 455-471		O
77	Seaweeds as Functional Food: A Comprehensive Review of Its Antioxidants and Therapeutic Merits Against Oxidative Stress-Mediated Chronic Diseases. <b>2022</b> , 77-91		
76	Seaweeds and Their Products for the Health of Livestock. <b>2022</b> , 331-356		
75	Marine-Derived Polysaccharides: Prospects for Future Pharmaceuticals and Drug Delivery Systems. <b>2022</b> , 403-453		
74	Martin Billian Barra Marria and transfer Barra Baltina Anality (1992) 45-50		
/ 4	Marine Polymer-Based Nano-carriers for Drug Delivery Applications. <b>2022</b> , 15-59		1
73	Application of Ultrasound-Assisted Extraction and Non-Thermal Plasma for Fucus virsoides and Cystoseira barbata Polysaccharides Pre-Treatment and Extraction. <i>Processes</i> , <b>2022</b> , 10, 433	2.9	0
	Application of Ultrasound-Assisted Extraction and Non-Thermal Plasma for Fucus virsoides and	2.9	
73	Application of Ultrasound-Assisted Extraction and Non-Thermal Plasma for Fucus virsoides and Cystoseira barbata Polysaccharides Pre-Treatment and Extraction. <i>Processes</i> , <b>2022</b> , 10, 433  Structural Characteristics and Immunomodulatory Effects of a Long-Chain Polysaccharide From		0
73 72	Application of Ultrasound-Assisted Extraction and Non-Thermal Plasma for Fucus virsoides and Cystoseira barbata Polysaccharides Pre-Treatment and Extraction. <i>Processes</i> , <b>2022</b> , 10, 433  Structural Characteristics and Immunomodulatory Effects of a Long-Chain Polysaccharide From <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 762595  A new FTIR assay for quantitative measurement of endo-fucoidanase activity <i>Enzyme and Microbial</i>	6.2	0
73 72 71	Application of Ultrasound-Assisted Extraction and Non-Thermal Plasma for Fucus virsoides and Cystoseira barbata Polysaccharides Pre-Treatment and Extraction. <i>Processes</i> , <b>2022</b> , 10, 433  Structural Characteristics and Immunomodulatory Effects of a Long-Chain Polysaccharide From <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 762595  A new FTIR assay for quantitative measurement of endo-fucoidanase activity <i>Enzyme and Microbial Technology</i> , <b>2022</b> , 158, 110035  Characterization, antioxidant and anticoagulant properties of exopolysaccharide from marine	3.8	o o 1
73 72 71 70	Application of Ultrasound-Assisted Extraction and Non-Thermal Plasma for Fucus virsoides and Cystoseira barbata Polysaccharides Pre-Treatment and Extraction. <i>Processes</i> , <b>2022</b> , 10, 433  Structural Characteristics and Immunomodulatory Effects of a Long-Chain Polysaccharide From <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 762595  A new FTIR assay for quantitative measurement of endo-fucoidanase activity <i>Enzyme and Microbial Technology</i> , <b>2022</b> , 158, 110035  Characterization, antioxidant and anticoagulant properties of exopolysaccharide from marine microalgae <i>AMB Express</i> , <b>2022</b> , 12, 27  The Biochemical Composition and Antioxidant Properties of from the Arctic Region <i>Marine Drugs</i> ,	6.2 3.8 4.1	0 0 1
73 72 71 70 69	Application of Ultrasound-Assisted Extraction and Non-Thermal Plasma for Fucus virsoides and Cystoseira barbata Polysaccharides Pre-Treatment and Extraction. <i>Processes</i> , 2022, 10, 433  Structural Characteristics and Immunomodulatory Effects of a Long-Chain Polysaccharide From <i>Frontiers in Nutrition</i> , 2022, 9, 762595  A new FTIR assay for quantitative measurement of endo-fucoidanase activity <i>Enzyme and Microbial Technology</i> , 2022, 158, 110035  Characterization, antioxidant and anticoagulant properties of exopolysaccharide from marine microalgae <i>AMB Express</i> , 2022, 12, 27  The Biochemical Composition and Antioxidant Properties of from the Arctic Region <i>Marine Drugs</i> , 2022, 20,  Anti-diabetic Effects of Macronutrients via Modulation of Angiogenesis: A Comprehensive Review	6.2 3.8 4.1	o o 1 o 7

65	Complementarity of Raman and Infrared spectroscopy for rapid characterization of fucoidan extracts <i>Plant Methods</i> , <b>2021</b> , 17, 130	5.8	1
64	Data_Sheet_1.pdf. <b>2020</b> ,		
63	Data_Sheet_2.xlsx. <b>2020</b> ,		
62	Data_Sheet_3.FASTA. <b>2020</b> ,		
61	Marine Microorganisms: From Pollutant Degradation to Added Value Products. <i>Microorganisms for Sustainability</i> , <b>2022</b> , 193-212	1.1	
60	Expanding Role of Marine Natural Compounds in Immunomodulation: Challenges and Future Perspectives. <b>2022</b> , 307-349		
59	Algal Polysaccharides-Based Nanoparticles for Targeted Drug Delivery Applications. Starch/Staerke, 22	000314	1
58	Anti-Inflammatory Potential of Fucoidan for Atherosclerosis: In Silico and In Vitro Studies in THP-1 Cells. <i>Molecules</i> , <b>2022</b> , 27, 3197	4.8	O
57	Consuming fresh macroalgae induces specific catabolic pathways, stress reactions and Type IX secretion in marine flavobacterial pioneer degraders <i>ISME Journal</i> , <b>2022</b> ,	11.9	О
56	Co-activating the AMPK signaling axis by low molecular weight fucoidan LF2 and fucoxanthin improves the HFD-induced metabolic syndrome in mice. <i>Journal of Functional Foods</i> , <b>2022</b> , 94, 105119	5.1	
55	Phytochemical and Potential Properties of Seaweeds and Their Recent Applications: A Review. <i>Marine Drugs</i> , <b>2022</b> , 20, 342	6	2
54	Structural characterization and antagonistic effect against P-selectin-mediated function of SFF-32, a fucoidan fraction from Sargassum fusiforme. <i>Journal of Ethnopharmacology</i> , <b>2022</b> , 115408	5	1
53	In vitro cytotoxicity assay of Fucoidan extracted from Turbinaria conoides against cancer cell lines MCF7, A549, and normal cell line L929. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 58,	1.8	O
52	Recent Discoveries on Marine Organism Immunomodulatory Activities. <i>Marine Drugs</i> , <b>2022</b> , 20, 422	6	2
51	Sulfated Galactofucans: An Outstanding Class of Fucoidans with Promising Bioactivities. <i>Marine Drugs</i> , <b>2022</b> , 20, 412	6	2
50	Fucoidan-Mediated Inhibition of Fibrotic Properties in Oral Submucous Fibrosis via the MEG3/miR-181a/Egr1 Axis. <i>Pharmaceuticals</i> , <b>2022</b> , 15, 833	5.2	1
49	Comparison of in vitro and in vivo antioxidant activities of commercial fucoidans from Macrocystis pyrifera, Undaria pinnatifida, and Fucus vesiculosus. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> ,	7.9	2
48	Structural and Bioactive Roles of Fucoidan in Nanogel Delivery Systems. A Review <i>Carbohydrate Polymer Technologies and Applications</i> , <b>2022</b> , 100235	1.7	O

47	Marine Bioactive Compounds Derived from Macroalgae as New Potential Players in Drug Delivery Systems: A Review. <b>2022</b> , 14, 1781	2
46	Selective Accumulation of Rare-Earth and Heavy Metal Ions by a Fucoidan-Inorganic Composite Material. <b>2022</b> , 9, 219	
45	Fucoidan-based nanomaterial and its multifunctional role for pharmaceutical and biomedical applications. 1-27	4
44	Antitumor immunity and therapeutic properties of marine seaweeds-derived extracts in the treatment of cancer. <b>2022</b> , 22,	1
43	Antiviral potentials of marine algal bioactive compounds for coronavirus drug discovery. 2022, 225-245	О
42	Fucoidans inhibited tau interaction and cellular uptake. <b>2023</b> , 299, 120176	O
41	Targeting pulmonary vascular endothelial cells for the treatment of respiratory diseases. 13,	О
40	Research Progress on the Mechanisms of Polysaccharides against Gastric Cancer. <b>2022</b> , 27, 5828	1
39	Seaweeds in the Oncology Arena: Anti-Cancer Potential of Fucoidan as a Drug Review. 2022, 27, 6032	7
38	Novel Technologies for Seaweed Polysaccharides Extraction and Their Use in Food with Therapeutically Applications Review. <b>2022</b> , 11, 2654	2
37	Novel and Promising Strategies for Therapy of Post-Transplant Chronic GVHD. <b>2022</b> , 15, 1100	О
36	Fucoidan Protects against Doxorubicin-Induced Cardiotoxicity by Reducing Oxidative Stress and Preventing Mitochondrial Function Injury. <b>2022</b> , 23, 10685	O
35	Research Progress on the Protective Effect of Brown Algae-Derived Polysaccharides on Metabolic Diseases and Intestinal Barrier Injury. <b>2022</b> , 23, 10784	1
34	In Vitro Anti-Inflammatory Activities of Fucoidans from Five Species of Brown Seaweeds. <b>2022</b> , 20, 606	4
33	Fucoidans of Brown Algae: Comparison of Sulfated Polysaccharides from Fucus vesiculosus and Ascophyllum nodosum. <b>2022</b> , 20, 638	1
32	Perspectives for the Use of Fucoidans in Clinical Oncology. <b>2022</b> , 23, 11821	2
31	Prospects for the Use of Marine Sulfated Fucose-Rich Polysaccharides in Treatment and Prevention of COVID-19 and Post-COVID-19 Syndrome.	О
30	Seaweed resources of Argentina (S W Atlantic): production, bio-ecological, applied research and challenges for sustainable development. <b>2022</b> , 3, 383-421	O

29	Anti-Allergic Activity of Fucoidan Can Be Enhanced by Coexistence with Quercetin. 2022, 23, 12163	0
28	Effects of oligo-fucoidan on the immune response, inflammatory status and pulmonary function in patients with asthma: a randomized, double-blind, placebo-controlled trial. <b>2022</b> , 12,	О
27	Potential of Seaweeds in preventing cancer and HIV infection in Humans. 2022,	0
26	Seaweed sulfated polysaccharides and their medicinal properties. <b>2022</b> , 68, 102885	1
25	Structural Characterization and In Vivo Anti-Inflammatory Activity of Fucoidan from Cystoseira crinita (Desf.) Borry. <b>2022</b> , 20, 714	2
24	Comparative antioxidant capacity of fucoidan batches extracted from Sargassum species. 2022,	О
23	Anti-angiogenic properties of sulfated polysaccharides fucoidans and their analogs. 2022, 71, 2505-2514	О
22	Bioactive Compounds from Algae: Potential Applications. <b>2022</b> , 184-211	O
21	Seaweeds Metabolites: Characterization and Applications as Phyco-Nutraceuticals. 2022, 362-394	O
20	Biochemical composition, antiradical potential and human health risk of the Arctic edible brown seaweed Fucus spiralis L.	0
19	Anti-Inflammatory Effects of Marine Bioactive Compounds and Their Potential as Functional Food Ingredients in the Prevention and Treatment of Neuroinflammatory Disorders. <b>2023</b> , 28, 2	1
18	Recent Advances in the Utilization of Brown Macroalgae as Feedstock for Microbial Biorefinery.	О
17	Algal Phytochemicals from Different Algal Forms with an Emphasis on Genomic Insights into Their Nutraceutical and Pharmaceutical Applications. <b>2022</b> , 175-215	0
16	Characterization and Cytotoxic Activity of Microwave-Assisted Extracted Crude Fucoidans from Different Brown Seaweeds. <b>2023</b> , 21, 48	1
15	Extraction of high purity fucoidans from brown seaweeds using cellulases and alginate lyases. <b>2023</b> , 229, 199-209	O
14	Seaweed-Derived Sulfated Polysaccharides; The New Age Chemopreventives: A Comprehensive Review. <b>2023</b> , 15, 715	O
13	Bioactive Compounds from Brown Algae Alleviate Nonalcoholic Fatty Liver Disease: An Extensive Review. <b>2023</b> , 71, 1771-1787	0
12	Discovery of a sulfated fucan-specific carbohydrate-binding module: The first member of a new carbohydrate-binding module family. <b>2023</b> , 238, 124037	О

#### CITATION REPORT

11	Marine prebiotics mediate decolonization of Pseudomonas aeruginosa from gut by inhibiting secreted virulence factor interactions with mucins and enriching Bacteroides population. <b>2023</b> , 30,	О
10	Hematopoietic stimulants in the treatment and prevention of graft-versus-host disease. <b>2023</b> , 9, 64-74	O
9	Otoprotective Effects of Fucoidan Reduce Cisplatin-Induced Ototoxicity in Mouse Cochlear UB/OC-2 Cells. <b>2023</b> , 24, 3561	О
8	Immunopotentiating Activity of Fucoidans and Relevance to Cancer Immunotherapy. <b>2023</b> , 21, 128	2
7	Antiangiogenic drugs in combination with seaweed fucoidan: A mechanistic in vitro and in vivo study exploring the VEGF receptor and its downstream signaling molecules in hepatic cancer. 14,	О
6	Immunomodulatory natural polysaccharides: An overview of the mechanisms involved. <b>2023</b> , 188, 111935	O
5	Anti-Proliferative and Pro-Apoptotic vLMW Fucoidan Formulas Decrease PD-L1 Surface Expression in EBV Latency III and DLBCL Tumoral B-Cells by Decreasing Actin Network. <b>2023</b> , 21, 132	0
4	Relevance of the Extraction Stage on the Anti-Inflammatory Action of Fucoidans. <b>2023</b> , 15, 808	O
3	Photosynthetic Pigment and Carbohydrate Profiling of Fucus vesiculosus from an Iberian Coastal Lagoon. <b>2023</b> , 12, 1324	0
2	Plant life-associated natural products: Algae and mushrooms. <b>2023</b> , 173-213	O
1	Purification and Characterization of the Enzyme Fucoidanase from Cobetia amphilecti Utilizing Fucoidan from Undaria pinnatifida. <b>2023</b> , 12, 1555	О