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## Antioxidant activity of sulfated polysaccharide fractions extracted from *Laminaria japonica*

DOI: 10.1016/j.ijbiomac.2007.10.003  
International Journal of Biological Macromolecules,  
2008, 42, 127-32.

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#	Paper	IF	Citations
575	Fucoidan: structure and bioactivity. <i>Molecules</i> , <b>2008</b> , 13, 1671-95	4.8	819
574	Antioxidant activities of four edible seaweeds from the southern coast of Thailand. <b>2009</b> , 64, 218-23		64
573	Roles of fucoidan, an anionic sulfated polysaccharide on BSA-stabilized oil-in-water emulsion. <b>2009</b> , 17, 128-132		17
572	Synthesized oversulphated, acetylated and benzoylated derivatives of fucoidan extracted from <i>Laminaria japonica</i> and their potential antioxidant activity in vitro. <b>2009</b> , 114, 1285-1290		98
571	Carboxymethylation of a polysaccharide extracted from <i>Ganoderma lucidum</i> enhances its antioxidant activities in vitro. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 227-234	10.3	118
570	Antioxidant properties of polysaccharide fractions with different molecular mass extracted with hot-water from rice bran. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 570-575	10.3	95
569	Effect of <i>Curcuma kwangsiensis</i> polysaccharides on blood lipid profiles and oxidative stress in high-fat rats. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 138-42	7.9	29
568	Synthesized phosphorylated and aminated derivatives of fucoidan and their potential antioxidant activity in vitro. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 170-4	7.9	75
567	Synthesized different derivatives of low molecular fucoidan extracted from <i>Laminaria japonica</i> and their potential antioxidant activity in vitro. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 44, 379-84	7.9	53
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557	Polysaccharides from <i>Turbinaria conoides</i> : Structural features and antioxidant capacity. <b>2010</b> , 118, 823-829		121
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423	In Vitro Antioxidative Evaluation of $\beta$ -and $\beta$ -Carotene, Isolated from Crude Palm Oil. <b>2013</b> , 2013, 351671		16
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418	Chitosan and Its Derivatives: Potential Use as Nutraceuticals ??????????????????. <b>2013</b> , 278-287		
417	Marine Sulfated Polysaccharides with Unusual Anticoagulant Action through an Additional Unrelated Natural Inhibitors Mechanism ??????????????????. <b>2013</b> , 288-321		
416	- Enzymatic Production of N-Acetyl-d-Glucosamine Using the Enzyme from the Liver of Squid. <b>2013</b> , 322-333		
415	- Mussel-Derived Adhesive Biomaterials. <b>2013</b> , 312-335		

414	Inhibition of Cell Motility by Fucoidan Derived from Cladosiphon Okamuranus. <b>2013</b> , 60, 357-361		
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407	Polysaccharides from Laminaria japonica show hypoglycemic and hypolipidemic activities in mice with experimentally induced diabetes. <b>2014</b> , 239, 1663-70		26
406	Fucoidan induces caspase-dependent apoptosis in MC3 human mucoepidermoid carcinoma cells. <b>2014</b> , 7, 228-232		21
405	Anticancer effect of fucoidan in combination with tyrosine kinase inhibitor lapatinib. <b>2014</b> , 2014, 865375		15
404	Fucoidan, a sulfated polysaccharide, inhibits osteoclast differentiation and function by modulating RANKL signaling. <b>2014</b> , 15, 18840-55		25
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383	Fucoidan induces apoptosis of HepG2 cells by down-regulating p-Stat3. <b>2014</b> , 34, 330-336		16
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319	Physicochemical properties and antioxidant activities of polysaccharides sequentially extracted from peony seed dreg. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 23-30	7.9	76
318	Structural characterization and functional properties of antihypertensive <i>Cymodocea nodosa</i> sulfated polysaccharide. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 511-522	10.3	52
317	Effects of <i>Laminaria japonica</i> polysaccharides on exercise endurance and oxidative stress in forced swimming mouse model. <b>2016</b> , 23, 7		12
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304	Biochemical properties of water soluble polysaccharides from photosynthetic marine microalgae <i>Tetraselmis</i> species. <b>2017</b> , 25, 172-179		14
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270	Structural properties and protective effect of Sargassum fusiforme polysaccharides against ultraviolet B radiation in hairless Kun Ming mice. <b>2018</b> , 43, 8-16		56
269	Potential of intensification techniques for the extraction and depolymerization of fucoidan. <b>2018</b> , 30, 128-148		45
268	Glucofucogalactan, a heterogeneous low-sulfated polysaccharide from Saccharina japonica and its bioactivity. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 90-97	7.9	8
267	Effects of different chemical modifications on the antioxidant activities of polysaccharides sequentially extracted from peony seed dreg. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 112, 675-685	7.9	27
266	Total fractionation and characterization of the water-soluble polysaccharides isolated from Enteromorpha intestinalis. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 319-325	7.9	23
265	Extracellular polysaccharide from Weissella confusa OF126: Production, optimization, and characterization. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 514-525	7.9	38
264	Characterization and applications of a new composite material obtained by green synthesis, through deposition of zinc oxide onto calcium carbonate precipitated in green seaweeds extract. <b>2018</b> , 44, 4931-4936		14
263	Bioactive potential and composition analysis of sulfated polysaccharide from Acanthophora spicifera (Vahl) Borgeson. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 1238-1244	7.9	21
262	Antioxidant and antimicrobial potential of polysaccharides sequentially extracted from Polygonatum cyrtoneura Hua. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 317-323	7.9	41
261	Metabolic and haematological responses of Labeo rohita to dietary fucoidan. <b>2018</b> , 46, 1042-1050		9
260	Natural antioxidants from sea: a potential industrial perspective in aquafeed formulation. <b>2018</b> , 10, 385-399		28
259	Subcritical water extraction of fucoidan from Saccharina japonica: optimization, characterization and biological studies. <b>2018</b> , 30, 579-590		49
258	Production, characterization and In Vitro antioxidant activities of exopolysaccharide from Weissella cibaria GA44. <b>2018</b> , 87, 432-442		63
257	Bioactivity of fucoidan extracted from Laminaria japonica using a novel procedure with high yield. <b>2018</b> , 245, 911-918		50
256	Preparation of purified fractions for polysaccharides from Monetaria moneta Linnaeus and comparison their characteristics and antioxidant activities. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 108, 342-349	7.9	14
255	Physicochemical properties and biological activities of polysaccharides from Lycium barbarum prepared by fractional precipitation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 611-618	7.9	52
254	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
253	Chemical characterization and antioxidant activity of sulfated polysaccharides from Navicula sp.. <b>2018</b> , 75, 229-236		63

252	Oligo-fucoidan improved unbalance the Th1/Th2 and Treg/Th17 ratios in asthmatic patients: An study. <b>2019</b> , 17, 3-10		5
251	Beneficial Effects of Marine Algae-Derived Carbohydrates for Skin Health. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	32
250	Fucoidan Extracted from : Source for Nutraceuticals/Functional Foods. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	77
249	PM2.5 induced cardiac hypertrophy via CREB/GSK3b/SOS1 pathway and metabolomics alterations. <b>2018</b> , 9, 30748-30760		9
248	Structural Characterization, Antioxidant Activity, and Biomedical Application of Astragalus Polysaccharide Degradation Products. <b>2018</b> , 2018, 1-13		7
247	A Short Extraction Time of Polysaccharides from Fenugreek ( <i>Trigonella foencem graecum</i> ) Seed Using Continuous Ultrasound Acoustic Cavitation: Process Optimization, Characterization and Biological Activities. <b>2018</b> , 11, 2204-2216		19
246	Enhanced B-phycoerythrin production by the red microalga <i>Porphyridium marinum</i> : A powerful agent in industrial applications. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 2106-2114	7.9	23
245	Seaweeds: Valuable Ingredients for the Pharmaceutical Industries. <b>2018</b> , 49-95		4
244	Effect of high-pressure microfluidization treatment on the physicochemical properties and antioxidant activities of polysaccharide from <i>Mesona chinensis</i> Benth. <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 191-199	10.3	40
243	Polysaccharides of red alga <i>Gracilaria intermedia</i> : structure, antioxidant activity and rheological behavior. <b>2018</b> , 28, 178-186		11
242	Physicochemical Characterization, Antioxidant and Immunostimulatory Activities of Sulfated Polysaccharides Extracted from. <i>Molecules</i> , <b>2018</b> , 23,	4.8	7
241	Antioxidant Properties of Seaweed-Derived Substances. <b>2018</b> , 201-221		6
240	Upgrading the antioxidant properties of fucoidan and alginate from <i>Cystoseira trinodis</i> by fungal fermentation or enzymatic pretreatment of the seaweed biomass. <b>2018</b> , 269, 387-395		33
239	The Effects of Fermented on Short-Term Working Memory and Physical Fitness in the Elderly. <b>2018</b> , 2018, 8109621		16
238	Phenolic profile and antioxidant activity from peels and seeds of melon ( <i>Cucumis melo</i> L. var. <i>reticulatus</i> ) and their antiproliferative effect in cancer cells. <b>2018</b> , 51, e6069		36
237	Bioactive polysaccharides from natural resources including Chinese medicinal herbs on tissue repair. <b>2018</b> , 13, 7		57
236	Comparative study of components and anti-oxidative effects between sulfated polysaccharide and its iron complex. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 1303-1309	7.9	11
235	Structural Features of Sulfated Glucuronomannan Oligosaccharides and Their Antioxidant Activity. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	15

234	Seaweed-Derived Sulfated Polysaccharides. <b>2018</b> , 71-93		7
233	Structural elucidation of fucoidan from <i>Cladosiphon okamuranus</i> (Okinawa mozuku). <b>2019</b> , 272, 222-226		26
232	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
231	Unravelling property of polysaccharides from <i>Sargassum</i> sp. as an anti-wrinkle and skin whitening property. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 140, 216-224	7.9	27
230	Pharmacologic Application Potentials of Sulfated Polysaccharide from Marine Algae. <i>Polymers</i> , <b>2019</b> , 11,	4.5	39
229	Bioactive Natural Products for the Management of Cancer: from Bench to Bedside. <b>2019</b> ,		2
228	Physicochemical characterization and antioxidant activity of cell-bound exopolysaccharides from <i>Lactobacillus fermentum</i> S1 obtained by two extraction methods. <b>2019</b> , 85, 195-205		6
227	Marine Polysaccharides: Biomedical and Tissue Engineering Applications. <b>2019</b> , 443-487		5
226	Clinical applications of fucoidan in translational medicine for adjuvant cancer therapy. <b>2019</b> , 8, 15		49
225	In Vitro and In Vivo Antioxidant Activities of Polysaccharides Isolated from Celluclast-Assisted Extract of an Edible Brown Seaweed,. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	28
224	Protective Role of Fucoidan on Cisplatin-mediated ER Stress in Renal Proximal Tubule Epithelial Cells. <b>2019</b> , 39, 5515-5524		9
223	Isolation of crude fucoidan from <i>Sargassum wightii</i> using conventional and ultra-sonication extraction methods. <i>Bioactive Carbohydrates and Dietary Fibre</i> , <b>2019</b> , 20, 100200	3.4	19
222	Fractionation of green coconut fiber using sequential hydrothermal/alkaline pretreatments and Amberlite XAD-7HP resin. <b>2019</b> , 7, 103474		13
221	Antioxidant Fucoidans Obtained from Tropical Seaweed Protect Pre-Osteoblastic Cells from Hydrogen Peroxide-Induced Damage. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	12
220	Isolation, structural characterizations and bioactivities of exopolysaccharides produced by <i>Bacillus licheniformis</i> . <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 141, 298-306	7.9	15
219	The Effect of Extraction Methods on Preliminary Structural Properties and Antioxidant Activities of Polysaccharides from <i>Lactarius vividus</i> . <i>Processes</i> , <b>2019</b> , 7, 482	2.9	3
218	Water Extraction Kinetics of Bioactive Compounds of. <i>Molecules</i> , <b>2019</b> , 24,	4.8	10
217	Sulphated polysaccharide from <i>Sargassum myriocystum</i> confers protection against gentamicin-induced nephrotoxicity in adult zebrafish. <b>2019</b> , 72, 103269		4

216	Antioxidant, Anti-Biofilm, and Solar Protection Activities of (Britton & Rose) Pulp Extract. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	6
215	Fuoidan?Fucoxanthin Ameliorated Cardiac Function via IRS1/GRB2/ SOS1, GSK3/CREB Pathways and Metabolic Pathways in Senescent Mice. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	19
214	Source, Extraction, Characterization, and Applications of Novel Antioxidants from Seaweed. <b>2019</b> , 10, 541-568		48
213	Subcritical water extraction as an efficient technique to isolate biologically-active fucoidans from <i>Nizamuddinina zanardinii</i> . <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 244-253	7.9	40
212	Chemical profile and antioxidant activities of 26 selected species of seaweeds from Kuwait coast. <b>2019</b> , 31, 2653-2668		14
211	Macroalgae on the Rocky Shore of the Southern Coast of Garut, West Java, Indonesia. <b>2019</b> , 278, 012030		2
210	Structural analysis and potential immunostimulatory activity of <i>Nannochloropsis oculata</i> polysaccharides. <i>Carbohydrate Polymers</i> , <b>2019</b> , 222, 114962	10.3	31
209	Antithrombotic Effect of Oral Administration of Mozuku ( <i>Cladosiphon okamuranus</i> , Brown Seaweed) Extract in Rat. <b>2019</b> , 65, 171-176		3
208	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
207	Characterization and antioxidant activities of polysaccharides from <i>Passiflora edulis</i> Sims peel under different degradation methods. <i>Carbohydrate Polymers</i> , <b>2019</b> , 218, 46-52	10.3	43
206	Moisture sorption characteristics of probiotic-fermented sea tangle powder and its thermodynamic properties. <i>Journal of Food Processing and Preservation</i> , <b>2019</b> , 43, e13991	2.1	2
205	Optimization of Microwave-Assisted Extraction of Polysaccharides from and Evaluation of Their Antioxidant Activity. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	30
204	Fucoidans from the phaeophyta <i>Scytosiphon lomentaria</i> : Chemical analysis and antiviral activity of the galactofucan component. <b>2019</b> , 478, 18-24		24
203	Renoprotective Effect of Polysaccharide in Adenine-Induced Chronic Renal Failure. <i>Molecules</i> , <b>2019</b> , 24,	4.8	13
202	Evolution of Complex Thallus Alga: Genome Sequencing of. <b>2019</b> , 10, 378		8
201	Purification and characterization of fucose-containing sulphated polysaccharides from <i>Sargassum tenerrimum</i> and their biological activity. <b>2019</b> , 31, 3101-3113		5
200	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
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198	Use of fucoidan to treat renal diseases: A review of 15 years of clinic studies. <b>2019</b> , 163, 95-111		19
197	Two polysaccharides from <i>Porphyra</i> modulate immune homeostasis by NF- $\kappa$ B-dependent immunocyte differentiation. <b>2019</b> , 10, 2083-2093		14
196	Fucoidan-rich <i>Sargassum wightii</i> extract supplemented with $\alpha$ -amylase improve growth and immune responses of <i>Labeo rohita</i> (Hamilton, 1822) fingerlings. <b>2019</b> , 31, 2469-2480		5
195	Effect of carboxymethylation on properties of fucoidan from <i>Laminaria japonica</i> : Antioxidant activity and preservative effect on strawberry during cold storage. <b>2019</b> , 151, 127-133		13
194	Bioactivities of sulfated polysaccharides extracted by enzyme, ultrasound and enzyme-ultrasound methods. <b>2019</b> , 56, 1212-1220		17
193	Structure characterization and antioxidant activity of fucoidan isolated from <i>Undaria pinnatifida</i> grown in New Zealand. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 178-185	10.3	55
192	Laminarin enhances the activity of natural killer cells in immunosuppressed mice. <b>2019</b> , 44, 357-363		2
191	Nutraceutical Potential of Five Mexican Brown Seaweeds. <b>2019</b> , 2019, 3795160		10
190	Accumulation, morpho-physiological and oxidative stress induction by single and binary treatments of fluoride and low molecular weight phthalates in <i>Spirodela polyrhiza</i> L. Schleiden. <b>2019</b> , 9, 20006		10
189	Effects of deproteinization methods on primary structure and antioxidant activity of <i>Ganoderma lucidum</i> polysaccharides. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 126, 867-876	7.9	42
188	A rapid-throughput adaptable method for determining the monosaccharide composition of polysaccharides. <b>2019</b> , 438, 22-28		16
187	Ultrasound-assisted extraction of sulfated polysaccharide from <i>Nizamuddiniana zanardinii</i> : Process optimization, structural characterization, and biological properties. <b>2019</b> , 42, e12979		14
186	Pressurized pretreatment and simultaneous saccharification and fermentation with in situ detoxification to increase bioethanol production from green coconut fibers. <b>2019</b> , 130, 259-266		30
185	Enzyme-assisted extraction of <i>Nizamuddiniana zanardinii</i> for the recovery of sulfated polysaccharides with anticancer and immune-enhancing activities. <b>2019</b> , 31, 1391-1402		18
184	A review on the impact of seaweed polysaccharide on the growth of probiotic bacteria and its application in aquaculture. <b>2019</b> , 27, 227-238		25
183	Attenuation of oxidative stress induced mitochondrial dysfunction and cytotoxicity in fibroblast cells by sulfated polysaccharide from <i>Padina gymnospora</i> . <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 50-59	7.9	21
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181	Purification, structural analysis and mechanism of murine macrophage cell activation by sulfated polysaccharides from <i>Cystoseira indica</i> . <i>Carbohydrate Polymers</i> , <b>2019</b> , 205, 261-270	10.3	30

180	Isolation, molecular characterization and antioxidant activity of a water-soluble polysaccharide extracted from the fruiting body of <i>Termitornyces albuminosus</i> (Berk.) Heim. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 122, 115-126	7.9	13
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178	Glucuronorhamnoxylan from <i>Capsosiphon fulvescens</i> inhibits the growth of HT-29 human colon cancer cells in vitro and in vivo via induction of apoptotic cell death. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 1060-1068	7.9	14
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175	Effects of sulfated, phosphorylated and carboxymethylated modifications on the antioxidant activities in-vitro of polysaccharides sequentially extracted from <i>Amana edulis</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 146, 887-896	7.9	16
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171	Chemical modification and antioxidant activity of the polysaccharide from <i>Acanthopanax leucorrhizus</i> . <b>2020</b> , 487, 107890		14
170	Bioactive Polysaccharides from Seaweeds. <i>Molecules</i> , <b>2020</b> , 25,	4.8	45
169	Current advances of polysaccharides in dermatology: a literature review. <b>2020</b> , 58, 664-673		17
168	Comparison of structural characterization and antioxidant activity of polysaccharides from jujube ( <i>Ziziphus jujuba</i> Mill.) fruit. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 149, 1008-1018	7.9	45
167	Low Molecular Weight Fucoïdan from <i>Saccharina Japonica</i> Ameliorates the Antioxidant Capacity and Reduces Plaque Areas in Aorta in Apoe-Deficient Mice with Atherosclerosis. <b>2020</b> , 54, 804-810		1
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165	A Critical Review of the Abilities, Determinants, and Possible Molecular Mechanisms of Seaweed Polysaccharides Antioxidants. <b>2020</b> , 21,		8
164	Leaf Extract as a Potential Antioxidant Molecule Using In Vitro and In Vivo Assays. <b>2020</b> , 2020, 3928706		1
163	The structure-activity relationship of the interactions of SARS-CoV-2 spike glycoproteins with glucuronomannan and sulfated galactofucan from <i>Saccharina japonica</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 163, 1649-1658	7.9	30



162	Isomalto-Oligosaccharides Produced by Endodextranase <i>Shewanella</i> sp. GZ-7 From Sugarcane Plants. <b>2020</b> , 15, 1934578X2095328		2
161	Marine-origin Polysaccharides for Tissue Engineering and Regenerative Medicine. <b>2020</b> , 2619-2650		1
160	Pharmacology of Marine Macroalgae. <b>2020</b> , 585-615		3
159	Extraction and Purification of Fucoidan from Marine Sources. <b>2020</b> , 1093-1125		2
158	Marine Algal Phlorotannins and their Biological Importance. <b>2020</b> , 1535-1558		3
157	Current Research Landscape of Marine-Derived Anti-Atherosclerotic Substances. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	5
156	A new approach to the restoration of seaweed beds using <i>Sargassum fulvellum</i> . <b>2020</b> , 32, 2575-2581		4
155	Fucoxanthin as Potential Therapeutics for Age-Related Macular Degeneration-Current Evidence from In Vitro Research. <b>2020</b> , 21,		4
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152	Mechanisms of Bioactivities of Fucoidan from the Brown Seaweed L. of the Barents Sea. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	62
151	Sulfated Polysaccharide from <i>Digenea simplex</i> Decreases Intestinal Inflammation in Rats. <b>2020</b> , 30, 388-396		2
150	In Vitro Evaluation of Anti-Colon Cancer Potential of Crude Extracts of Fucoidan Obtained from <i>Sargassum Glaucescens</i> Pretreated by Compressional-Puffing. <b>2020</b> , 10, 3058		7
149	Bioactive and thermostable sulphated polysaccharide from <i>Sargassum swartzii</i> with drug delivery applications. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 153, 190-200	7.9	19
148	The sulfated modification and antioxidative activity of polysaccharides from <i>Potentilla anserine</i> L. <b>2020</b> , 44, 4726-4735		2
147	Comparative Study of Fucoidan from and Its Depolymerized Fragment on Adriamycin-Induced Nephrotic Syndrome in Rats. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	1
146	Protective Effect of Fucoidan against MPP-Induced SH-SY5Y Cells Apoptosis by Affecting the PI3K/Akt Pathway. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	2
145	Radioprotective effect of self-assembled low molecular weight Fucoidan-Chitosan nanoparticles. <b>2020</b> , 579, 119161		8

144	Production, extraction and characterization of <i>Chlorella vulgaris</i> soluble polysaccharides and their applications in AgNPs biosynthesis and biostimulation of plant growth. <b>2020</b> , 10, 3011		53
143	The activation of NF- $\kappa$ B and MAPKs signaling pathways of RAW264.7 murine macrophages and natural killer cells by fucoidan from <i>Nizamuddinina zanardinii</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 56-67	7.9	16
142	Phytochemical screening, antioxidant, anticoagulant and in vitro toxic and genotoxic properties of aerial parts extracts of <i>Fumaria officinalis</i> L. growing in Tunisia. <b>2020</b> , 130, 268-273		5
141	Antioxidant and apoptotic potential of protein isolates derived from <i>Vigna unguiculata</i> (L.) Walp. <b>2020</b> , 55, 2813-2823		3
140	Casein core-polysaccharide shell nanocomplexes stable at pH 4.5 enabled by chelating and complexation properties of dextran sulfate. <b>2020</b> , 103, 105723		7
139	Ultrasound-Assisted Extraction of Fucoidan from Vietnamese Brown Seaweed <i>Sargassum mcclurei</i> and Testing Bioactivities of the Extract. <b>2020</b> , 5, 4371-4380		2
138	The scientometric analysis of the research on the algal foods. <b>2020</b> , 485-506		1
137	Isolation and purification of brown algae fucoidan from <i>Sargassum siliquosum</i> and the analysis of anti-lipogenesis activity. <b>2021</b> , 165, 107798		13
136	Effects of fermentation periods on antioxidant and angiotensin I-converting enzyme inhibitory activities of peptides from fish sauce by-products. <b>2021</b> , 135, 110122		8
135	Functional polysaccharides of fucoidan, laminaran and alginate from Malaysian brown seaweeds ( <i>Sargassum polycystum</i> , <i>Turbinaria ornata</i> and <i>Padina boryana</i> ). <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 1135-1145	7.9	14
134	Galactofucan from <i>Laminaria japonica</i> is not degraded by the human digestive system but inhibits pancreatic lipase and modifies the intestinal microbiota. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 611-620	7.9	6
133	Research on Timing Synchronization Algorithm of Cell Search in 5G NR System. <b>2021</b> , 776-785		
132	Grafted polysaccharides as advanced pharmaceutical excipients. <b>2021</b> , 75-129		1
131	Sulfated modification, characterization and bioactivities of an acidic polysaccharide fraction from an edible mushroom ( <i>Berk.</i> ) Sacc. <b>2021</b> , 7, e05964		12
130	Seaweeds: Potential Candidates in Human Colon Cancer Therapy. <b>2021</b> , 269-301		0
129	Marine polysaccharides: green and recyclable resources as wound dressings. <b>2021</b> , 5, 5595-5616		18
128	Polysaccharides from <i>Laminaria japonica</i> : an insight into the current research on structural features and biological properties. <b>2021</b> , 12, 4254-4283		7
127	Therapeutic potential of fucoidan derived from <i>Sargassum wightii</i> greville in diabetic encephalopathy [behavioural, biochemical, histopathological and histochemical evidences. <b>2021</b> , 1, 100011		1

126	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, 633-654	20
125	Hydrogen Peroxide Effects on Natural-Sourced Polysacchrides: Free Radical Formation/Production, Degradation Process, and Reaction Mechanism-A Critical Synopsis. <b>2021</b> , 10,	6
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