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**Biological activities and potential health benefits of sulfated polysaccharides derived from marine algae**

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533	Anticoagulant Activity and Structural Characterization of Polysaccharide from Abalone ( <i>Haliotis discus hannai</i> Ino) Gonad. <b>2016</b> , 21,	15

532	Polysaccharides from Traditional Chinese Medicines: Extraction, Purification, Modification, and Biological Activity. <b>2016</b> , 21,		78
531	Biochemical Characterization of a Family 15 Carbohydrate Esterase from a Bacterial Marine Arctic Metagenome. <b>2016</b> , 11, e0159345		23
530	Potential of Asian Natural Products for Health in Aging. <b>2016</b> , 659-676		2
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528	Spectroscopic study of natural and synthetic polysaccharide sulfate structures. <b>2016</b> , 68, 854-863		7
527	Low molecular weight fucoidan modulates P-selectin and alleviates diabetic nephropathy. <b>2016</b> , 91, 233-40		25
526	Immunomodulatory effects of natural polysaccharides assessed in human whole blood culture and THP-1 cells show greater sensitivity of whole blood culture. <b>2016</b> , 36, 315-323		7
525	Functions of Bioactive and Intelligent Natural Polymers in the Optimization of Drug Delivery. <b>2016</b> , 165-184		6
524	Extraction optimization, preliminary characterization and immunological activities in vitro of polysaccharides from <i>Elaeagnus angustifolia</i> L. pulp. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 348-357	10.3	25
523	The antioxidant potential of the New Zealand surf clams. <b>2016</b> , 204, 141-149		12
522	Seaweed salt from <i>Ulva</i> : A novel first step in a cascading biorefinery model. <b>2016</b> , 16, 308-316		43
521	Structural and rheological properties of kappa ( $\kappa$ -carrageenans covalently modified with cationic moieties. <b>2016</b> , 23, 1		5
520	Algae sulfated polysaccharides modifications: Potential use of microbial enzymes <b>2016</b> , 51, 989-998		28
519	Kappa-carrageenan/halloysite nanocomposite hydrogels as potential drug delivery systems. <b>2016</b> , 67, 426-434		33
518	Potential anti-inflammatory natural products from marine algae. <b>2016</b> , 48, 22-30		122
517	Protective Effects of Degraded Soybean Polysaccharides on Renal Epithelial Cells Exposed to Oxidative Damage. <b>2016</b> , 64, 7911-7920		5
516	Overview of microalgal extracellular polymeric substances (EPS) and their applications. <b>2016</b> , 34, 1225-1244		331
515	Carbohydrates From Seaweeds. <b>2016</b> , 223-274		42

514	Anti-Inflammatory Concentrate Enriched with Substituted Oligofucans Derived from Brown Seaweed <i>Turbinaria conoides</i> (J. Agardh) Klitzing and Its Safety Assessment on Wistar Rats. <b>2016</b> , 25, 1323-1338	6
513	Protective Effect of the Sulfated Agarans Isolated from the Red Seaweed <i>Laurencia aldingensis</i> Against Toxic Effects of the Venom of the Snake, <i>Lachesis muta</i> . <b>2016</b> , 18, 619-629	8
512	High cytotoxicity and anti-proliferative activity of algae extracts on an in vitro model of human hepatocellular carcinoma. <b>2016</b> , 5, 1339	23
511	Polysaccharides from marine macroalga, <i>Padina gymnospora</i> improve the nonspecific and specific immune responses of <i>Cyprinus carpio</i> and protect it from different pathogens. <b>2016</b> , 58, 220-228	28
510	Supercritical fluid extraction as a tool to valorize underexploited freshwater green algae. <b>2016</b> , 19, 237-245	40
509	Hydrophilic nanoparticles packed in oral tablets can improve the plasma profile of short half-life hydrophobic drugs. <b>2016</b> , 6, 94896-94904	4
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507	Partial characterization and antioxidant and antiproliferative activities of the aqueous extracellular polysaccharides from the thermophilic microalgae <i>Graesiella</i> sp. <b>2016</b> , 16, 210	44
506	Sulfated polysaccharides from common smooth hound: Extraction and assessment of anti-ACE, antioxidant and antibacterial activities. <i>Carbohydrate Polymers</i> , <b>2016</b> , 152, 605-614	10.3 38
505	Anti-inflammatory and angiogenic activity of polysaccharide extract obtained from Tibetan kefir. <b>2016</b> , 108, 29-33	26
504	Experimental evaluation of the effectiveness of wound dressings based on biologically active substances from marine hydrobionts. <b>2016</b> , 42, 427-432	3
503	Pharmacological importance of sulphated polysaccharide carrageenan from red seaweed <i>Kappaphycus alvarezii</i> in comparison with commercial carrageenan. <b>2016</b> , 84, 1300-1312	40
502	Bioactivity and Mechanism of Action of Marine Glycans. <b>2016</b> , 71-86	
501	Introduction to marine glycobiology. <b>2016</b> , 1-6	
500	Biomedical Potential of Natural Glycoproteins With Special Reference to Marine Collagen. <b>2016</b> , 165-180	
499	Glycoproteins and Detoxification in the Marine Environment. <b>2016</b> , 181-188	
498	Carbohydrates in Drug Discovery: Insights into Sulfated Marine Polysaccharides. <b>2016</b> , 331-342	
497	Evaluation of the immunomodulatory effects of a South African commercial traditional immune booster in human peripheral blood mononuclear cells. <b>2016</b> , 16, 300	3

496	Inflammation-related pro-apoptotic activity of exopolysaccharides isolated from <i>Lactococcus lactis</i> subsp. <i>lactis</i> . <b>2016</b> , 7, 761-768		10
495	Sulphated Polysaccharide Isolated from the Seaweed <i>Gracilaria caudata</i> Exerts an Antidiarrhoeal Effect in Rodents. <b>2016</b> , 118, 440-8		18
494	Antioxidant Activity of Marine Algal Polyphenolic Compounds: A Mechanistic Approach. <b>2016</b> , 19, 615-28		111
493	Sulfated polysaccharide from the marine algae <i>Hypnea musciformis</i> inhibits TNBS-induced intestinal damage in rats. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 957-964	10.3	34
492	In vitro fermentation of sulfated polysaccharides from <i>E. proliferans</i> and <i>L. japonica</i> by human fecal microbiota. <b>2016</b> , 91, 867-71		66
491	Methanol extract of <i>Codium fragile</i> inhibits tumor necrosis factor- $\alpha$ -induced matrix metalloproteinase-9 and invasiveness of MDA-MB-231 cells by suppressing nuclear factor- $\kappa$ B activation. <b>2016</b> , 9, 535-41		12
490	Modification biological activity of S and R forms of <i>Proteus mirabilis</i> and <i>Burkholderia cepacia</i> lipopolysaccharides by carrageenans. <i>Carbohydrate Polymers</i> , <b>2016</b> , 149, 408-14	10.3	1
489	Consumption of <i>Ulva clathrata</i> as a dietary supplement stimulates immune and lipid metabolism genes in Pacific white shrimp <i>Litopenaeus vannamei</i> . <b>2016</b> , 28, 3667-3677		13
488	Antiviral activity and pathogenetic targets for seaweed sulfated polysaccharides in herpesvirus infections. <b>2016</b> , 10, 31-42		4
487	Recent Research in Antihypertensive Activity of Food Protein-derived Hydrolyzates and Peptides. <b>2016</b> , 56, 760-87		36
486	A critical review of algal biomass: A versatile platform of bio-based polyesters from renewable resources. <b>2016</b> , 86, 937-49		49
485	A review of the components of brown seaweeds as potential candidates in cancer therapy. <b>2016</b> , 6, 12592-12618		18
484	The effects of supplemented diets with a phytopharmaceutical preparation from herbal and macroalgal origin on disease resistance in rainbow trout against <i>Piscirickettsia salmonis</i> . <b>2016</b> , 454, 109-117		31
483	Anticoagulant sodium alginate sulfates and their mussel-inspired heparin-mimetic coatings. <b>2016</b> , 4, 3203-3215		51
482	Anti-inflammatory and anti-proliferative activities of natural and sulphonated polysaccharides from <i>Pleurotus eryngii</i> . <b>2016</b> , 23, 80-86		25
481	First isolation of polysaccharidic ulvans from the cell walls of freshwater algae. <b>2016</b> , 19, 348-354		26
480	Marine-sulfated polysaccharides extract of <i>Ulva armoricana</i> green algae exhibits an antimicrobial activity and stimulates cytokine expression by intestinal epithelial cells. <b>2016</b> , 28, 2999-3008		54
479	Sulfated polysaccharide heparin used as carrier to load hydrophobic lappaconitine. <b>2016</b> , 84, 275-80		8

478	Microalgae as a new source of bioactive compounds in food supplements. <b>2016</b> , 7, 73-77	158
477	In search for effective and definitive treatment of herpes simplex virus type 1 (HSV-1) infections. <b>2016</b> , 6, 1058-1075	12
476	Structure, chemical and enzymatic modification, and anticancer activity of polysaccharides from the brown alga <i>Turbinaria ornata</i> . <b>2016</b> , 28, 2495-2505	26
475	Separation, characterization and anticancer activities of a sulfated polysaccharide from <i>Undaria pinnatifida</i> . <b>2016</b> , 83, 42-9	33
474	Extraction process optimization of sulfated galactan-rich fractions from <i>Hypnea musciformis</i> in order to obtain antioxidant, anticoagulant, or immunomodulatory polysaccharides. <b>2016</b> , 28, 1931-1942	9
473	Immunomodulatory effects of Umakhonya : A South African commercial traditional immune booster. <b>2016</b> , 102, 26-32	2
472	In vitro anti-HIV-1 activity of fucoïdan from <i>Sargassum swartzii</i> . <b>2016</b> , 82, 83-8	58
471	Microanalysis and preliminary pharmacokinetic studies of a sulfated polysaccharide from <i>Laminaria japonica</i> . <b>2016</b> , 34, 177-185	10
470	Carrageenans from nuclear phases of subantarctic <i>Mazzaella laminarioides</i> (Gigartinales, Rhodophyta) and graft copolymerization of alkali-modified carrageenan with acrylamide. <b>2016</b> , 28, 1275-1286	6
469	Mechanisms involved in antinociception induced by a polysulfated fraction from seaweed <i>Gracilaria cornea</i> in the temporomandibular joint of rats. <b>2017</b> , 97, 76-84	14
468	Macromolecular Antioxidants and Dietary Fiber in Edible Seaweeds. <b>2017</b> , 82, 289-295	36
467	Sulphonated modification of polysaccharides from <i>Pleurotus eryngii</i> and <i>Streptococcus thermophilus</i> ASCC 1275 and antioxidant activities investigation using CCD and Caco-2 cell line models. <b>2017</b> , 225, 246-257	10
466	Antitumor effects of polysaccharide from <i>Sargassum fusiforme</i> against human hepatocellular carcinoma HepG2 cells. <b>2017</b> , 102, 53-62	78
465	Sulfonation and Antioxidative Evaluation of Polysaccharides from <i>Pleurotus</i> Mushroom and <i>Streptococcus thermophilus</i> Bacteria: A Review. <b>2017</b> , 16, 282-294	11
464	Highly Efficient One-Step Purification of Sulfated Polysaccharides via Chitosan Microspheres Adsorbents. <b>2017</b> , 5, 3195-3203	33
463	Green seaweed <i>Enteromorpha compressa</i> (Chlorophyta, Ulvaceae) derived sulphated polysaccharides inhibit herpes simplex virus. <b>2017</b> , 102, 605-612	57
462	Microalgae as healthy ingredients for functional food: a review. <b>2017</b> , 8, 2672-2685	175
461	Nutraceuticals From Algae and Cyanobacteria. <b>2017</b> , 65-89	39

460	A review on synthesis, properties and applications of natural polymer based carrageenan blends and composites. <b>2017</b> , 96, 282-301		183
459	A rhamnan-type sulfated polysaccharide with novel structure from <i>Monostroma angicava</i> Kjellm (Chlorophyta) and its bioactivity. <i>Carbohydrate Polymers</i> , <b>2017</b> , 173, 732-748	10.3	26
458	Composition of Extracellular and Intracellular Polymeric Substances Produced by <i>Scenedesmus</i> and <i>Microcystis</i> . <b>2017</b> , 34, 887-894		10
457	Polysaccharides from <i>Sargassum thunbergii</i> : Monthly variations and anti-complement and anti-tumour activities. <b>2017</b> , 105, 1526-1531		16
456	Absorption and degradation of sulfated polysaccharide from pacific abalone in in vitro and in vivo models. <b>2017</b> , 35, 127-133		23
455	Macroalga <i>Padina pavonica</i> water extracts obtained by pressurized liquid extraction and microwave-assisted extraction inhibit hyaluronidase activity as shown by capillary electrophoresis. <b>2017</b> , 1497, 19-27		31
454	Isolation of fucoidan from <i>Sargassum polycystum</i> brown algae: Structural characterization, in vitro antioxidant and anticancer activity. <b>2017</b> , 102, 405-412		113
453	Revised domain structure of ulvan lyase and characterization of the first ulvan binding domain. <b>2017</b> , 7, 44115		14
452	From Current Algae Products to Future Biorefinery Practices: A Review. <b>2019</b> , 166, 99-123		23
451	Antioxidant and antibacterial activity of solid-liquid and enzyme-assisted extraction of phenolic compound from three species of tropical <i>Sargassum</i> . <b>2017</b> , 55, 012057		4
450	Synthesis and Self-Assembly of Amphiphilic Block Copolymers from Biobased Hydroxypropyl Methyl Cellulose and Poly(L-lactide). <b>2017</b> , 218, 1600558		16
449	ƐCarrageenan: An effective drug carrier to deliver curcumin in cancer cells and to induce apoptosis. <i>Carbohydrate Polymers</i> , <b>2017</b> , 160, 184-193	10.3	37
448	Improved immunomodulatory and antioxidant properties of unrefined fucoidans from by hydrolysis. <b>2017</b> , 54, 4016-4025		12
447	Overview on the antiviral activities and mechanisms of marine polysaccharides from seaweeds. <b>2017</b> , 453-454, 1-9		94
446	Algae-Based Biologically Active Compounds. <b>2017</b> , 155-271		3
445	Structural analysis of a sulfated galactan from the tunic of the ascidian <i>Microcosmus exasperatus</i> and its inhibitory effect of the intrinsic coagulation pathway. <b>2017</b> , 105, 1391-1400		7
444	Introduction. <b>2017</b> , 1-17		
443	Carrageenan for encapsulation and immobilization of flavor, fragrance, probiotics, and enzymes: A review. <b>2017</b> , 36, 1-19		34



442	Facile size-controlled synthesis of fucoidan-coated gold nanoparticles and cooperative anticancer effect with doxorubicin. <b>2017</b> , 5, 6147-6153		14
441	The structure-activity relationship between polysaccharides from <i>Sargassum thunbergii</i> and anti-tumor activity. <b>2017</b> , 105, 686-692		28
440	Preparation, characterization and antibacterial activity of oxidized $\kappa$ -carrageenan. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 1051-1058	10.3	54
439	Exploiting biological activities of brown seaweed <i>Ishige okamurae</i> Yendo for potential industrial applications: a review. <b>2017</b> , 29, 3109-3119		14
438	Polyphenolic-protein-polysaccharide ternary conjugates from <i>Cystoseira barbata</i> Tunisian seaweed as potential biopreservatives: Chemical, antioxidant and antimicrobial properties. <b>2017</b> , 105, 1375-1383		29
437	Crude fucoidan content in two North Atlantic kelp species, and -seasonal variation and impact of environmental factors. <b>2017</b> , 29, 3121-3137		26
436	Facile production of seaweed-based biomaterials with antioxidant and anti-inflammatory activities. <b>2017</b> , 27, 1-11		21
435	Different extraction procedures and analysis of protein from <i>Ulva</i> sp. in Brittany, France. <b>2017</b> , 29, 2503-2511		18
434	The Potential Role of Photobiomodulation and Polysaccharide-Based Biomaterials in Wound Healing Applications. <b>2017</b> , 211-223		
433	Ulvan from <i>Ulva armoricana</i> (Chlorophyta) activates the PI3K/Akt signalling pathway via TLR4 to induce intestinal cytokine production. <b>2017</b> , 28, 39-47		39
432	marching on; late arrival in the Republic of Ireland. <b>2017</b> , 29, 1107-1114		8
431	Sulfated polysaccharide from <i>Cyclocarya paliurus</i> enhances the immunomodulatory activity of macrophages. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 669-676	10.3	89
430	Anti-tumor effects of (1- $\beta$ )-D-glucan from <i>Saccharomyces cerevisiae</i> in S180 tumor-bearing mice. <b>2017</b> , 95, 385-392		32
429	Preparation methods and applications behind alginate-based particles. <b>2017</b> , 14, 769-782		55
428	Bioactive Polysaccharides Extracts from <i>Sargassum muticum</i> by High Hydrostatic Pressure. <b>2017</b> , 41, e12977		6
427	Low molecular weight fucoidan ameliorates the inflammation and glomerular filtration function of diabetic nephropathy. <b>2017</b> , 29, 531-542		16
426	Neuroprotective Effects of Sulphated Agaran from Marine Alga <i>Gracilaria cornea</i> in Rat 6-Hydroxydopamine Parkinson's Disease Model: Behavioural, Neurochemical and Transcriptional Alterations. <b>2017</b> , 120, 159-170		25
425	Flavonoid compounds from the red marine alga <i>Alsidium corallinum</i> protect against potassium bromate-induced nephrotoxicity in adult mice. <b>2017</b> , 32, 1475-1486		15

424	Algae as nutritional and functional food sources: revisiting our understanding. <b>2017</b> , 29, 949-982	660
423	Inhibitory activities of <i>Cystoseira crinita</i> sulfated polysaccharide on key enzymes related to diabetes and hypertension: in vitro and animal study. <b>2017</b> , 123, 31-42	13
422	Polysaccharides from macroalgae: Recent advances, innovative technologies and challenges in extraction and purification. <b>2017</b> , 99, 1011-1020	158
421	Cytoprotective effect of seaweeds with high antioxidant activity from the Peniche coast (Portugal). <b>2017</b> , 218, 591-599	67
420	Anti-inflammatory activity of a sulfated polysaccharide isolated from an enzymatic digest of brown seaweed in RAW 264.7 cells. <b>2017</b> , 11, 3-10	89
419	Applications of Carrageenan in Advanced Drug Delivery. <b>2017</b> , 283-303	7
418	Bioactive Peptide of Marine Origin for the Prevention and Treatment of Non-Communicable Diseases. <b>2017</b> , 15,	53
417	Hypopigmenting Effects of Brown Algae-Derived Phytochemicals: A Review on Molecular Mechanisms. <b>2017</b> , 15,	25
416	Seaweed Polysaccharides and Their Production and Applications. <b>2017</b> , 369-382	1
415	Usage of Seaweed Polysaccharides as Nutraceuticals. <b>2017</b> , 341-348	5
414	Green Seaweeds-Derived Polysaccharides Ulvan: Occurrence, Medicinal Value and Potential Applications. <b>2017</b> , 205-221	8
413	Perspectives on Biomedical Applications of Ulvan. <b>2017</b> , 305-330	10
412	A Holistic Approach to Managing Microalgae for Biofuel Applications. <b>2017</b> , 18,	87
411	Phosphorylation of Icaritin Can Alleviate the Oxidative Stress Caused by the Duck Hepatitis Virus A through Mitogen-Activated Protein Kinases Signaling Pathways. <b>2017</b> , 8, 1850	10
410	MMP-Inhibitory Effects of Flavonoid Glycosides from Edible Medicinal Halophyte. <b>2017</b> , 2017, 6750274	6
409	Carrageenan Based Bionanocomposites as Drug Delivery Tool with Special Emphasis on the Influence of Ferromagnetic Nanoparticles. <b>2017</b> , 2017, 8158315	32
408	Future Prospects of Algae-Based Materials. <b>2017</b> , 687-691	
407	Optimasi Proses Ozonasi pada Depolimerisasi Karagenan dengan Metode Respon Permukaan. <b>2017</b> , 17, 1	

406	Ulvan extracted from green seaweeds as new natural additives in diets for laying hens. <b>2018</b> , 30, 2017-2027	15
405	Bioactive potentials of sulfated polysaccharides isolated from brown seaweed <i>Sargassum</i> spp in related to human health applications: A review. <b>2018</b> , 81, 200-208	54
404	Cytotoxic activity of halogenated sesquiterpenes from <i>Laurencia dendroidea</i> . <b>2018</b> , 32, 1119-1125	9
403	Multi-porous quaternized chitosan/polystyrene microbeads for scalable, efficient heparin recovery. <b>2018</b> , 348, 399-408	21
402	Physico-chemical characterization and beneficial effects of seaweed sulfated polysaccharide against oxydatif and cellular damages caused by alloxan in diabetic rats. <b>2018</b> , 117, 407-417	15
401	Bioassay-guided isolation of triterpene from brown alga <i>Padina boergesenii</i> possess anti-inflammatory and anti-angiogenic potential with kinetic inhibition of $\beta$ -carotene linoleate system. <b>2018</b> , 93, 549-555	8
400	Unravelling the inhibitory activity of <i>Chlamydomonas reinhardtii</i> sulfated polysaccharides against $\beta$ -Synuclein fibrillation. <b>2018</b> , 8, 5692	13
399	Sulfated polysaccharides from <i>Padina tetrastomatica</i> induce apoptosis in HeLa cells through ROS triggered mitochondrial pathway. <b>2018</b> , 68, 197-204	27
398	Potential of intensification techniques for the extraction and depolymerization of fucoidan. <b>2018</b> , 30, 128-148	45
397	In vitro activities of kappa-carrageenan isolated from red marine alga <i>Hypnea musciformis</i> : Antimicrobial, anticancer and neuroprotective potential. <b>2018</b> , 112, 1248-1256	49
396	Lectin obtained from the red seaweed <i>Bryothamnion triquetrum</i> : Secondary structure and anti-inflammatory activity in mice. <b>2018</b> , 112, 1122-1130	25
395	Carrageenans and carrageenases: versatile polysaccharides and promising marine enzymes. <b>2018</b> , 17, 535-571	42
394	Three species of <i>Ulva</i> (Ulvophyceae) from the Persian Gulf as potential sources of protein, essential amino acids and fatty acids. <b>2018</b> , 66, 149-154	5
393	Sulfated modification of polysaccharides: Synthesis, characterization and bioactivities. <b>2018</b> , 74, 147-157	110
392	Unlocking the potential health and growth benefits of macroscopic algae for poultry. <b>2018</b> , 74, 5-20	6
391	Introduction. <b>2018</b> , 1-50	3
390	Methodologies for Studying Bioactive Polysaccharides. <b>2018</b> , 51-97	
389	Fermentation-Derived Bioactive Components from Seaweeds: Functional Properties and Potential Applications. <b>2018</b> , 27, 144-164	10

388	Inhibitory effect of <i>Spirogyra</i> spp. algal extracts against herpes simplex virus type 1 and 2 infection. <b>2018</b> , 124, 1441-1453		9
387	Large-scale preparation of sulfated polysaccharides with anti-angionenic and anti-inflammatory properties from <i>Antrodia cinnamomia</i> . <b>2018</b> , 113, 1198-1205		6
386	Solvent-partitioned fractions from <i>Ishige okamurae</i> extract inhibit MMP-2 and MMP-9 activities in human fibrosarcoma cells in vitro. <b>2018</b> , 30, 121-127		1
385	Medicinal and health benefit effects of functional sea cucumbers. <b>2018</b> , 8, 341-351		76
384	Gut microbiota fermentation of marine polysaccharides and its effects on intestinal ecology: An overview. <i>Carbohydrate Polymers</i> , <b>2018</b> , 179, 173-185	10.3	112
383	Anti-inflammatory properties of GLPss58, a sulfated polysaccharide from <i>Ganoderma lucidum</i> . <b>2018</b> , 107, 486-493		36
382	Antitumor effect and molecular mechanism of antioxidant polysaccharides from <i>Salvia miltiorrhiza</i> Bunge in human colorectal carcinoma LoVo cells. <b>2018</b> , 108, 625-634		36
381	Effect of extraction techniques on properties of polysaccharides from <i>Enteromorpha prolifera</i> and their applicability in iron chelation. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 616-623	10.3	55
380	A concise synthesis of rhamnan oligosaccharides with alternating $\alpha(1-2)$ / $\alpha(1-3)$ -linkages and repeating $\alpha(1-3)$ -linkages by iterative glycosylation using disaccharide building blocks. <b>2018</b> , 455, 23-31		7
379	Enhancement of reproductive performance in shrimp <i>Litopenaeus vannamei</i> (Boone, 1931) by supplementation of <i>Ulva clathrata</i> meal in maturation diet in two commercial hatcheries. <b>2018</b> , 49, 1053-1059		5
378	Characterization of mannanase from sp., a novel cell wall-degrading bacterium. <b>2018</b> , 27, 115-122		10
377	Anticoagulant Properties of a Green Algal Rhamnan-type Sulfated Polysaccharide and Its Low-molecular-weight Fragments Prepared by Mild Acid Degradation. <b>2018</b> , 16,		13
376	Modulation of reproductive exhaustion using <i>Ulva clathrata</i> in Pacific white shrimp <i>Litopenaeus vannamei</i> (Boone, 1931) broodstock during commercial maturation. <b>2018</b> , 49, 3711-3722		6
375	Screening for osteogenic activity in extracts from Irish marine organisms: The potential of <i>Ceramium pallidum</i> . <b>2018</b> , 13, e0207303		6
374	Chemical and Spectral Characterization of The Ozonation Products of $\kappa$ -Carrageenan. <b>2018</b> , 156, 05006		1
373	Functional Protein Concentrates Extracted from the Green Marine Macroalga <i>Ulva</i> sp., by High Voltage Pulsed Electric Fields and Mechanical Press. <b>2018</b> , 6, 13696-13705		32
372	Photoprotective Substances Derived from Marine Algae. <b>2018</b> , 16,		55
371	Metabolite profiling, antioxidant, scavenging and anti-proliferative activities of selected tropical green seaweeds reveal the nutraceutical potential of <i>Caulerpa</i> spp.. <b>2018</b> , 36, 96-105		39

370	Highly Efficient Recovery of Heparin Using a Green and Low-Cost Quaternary Ammonium Functionalized Halloysite Nanotube. <b>2018</b> , 6, 15349-15360		15
369	Sulfonated and sulfated chitosan derivatives for biomedical applications: A review. <i>Carbohydrate Polymers</i> , <b>2018</b> , 202, 382-396	10.3	96
368	Bioactivity of Fucoidan as an Antimicrobial Agent in a New Functional Beverage. <b>2018</b> , 4, 64		12
367	Drying and extraction effects on three edible brown seaweeds for metabolomics. <b>2018</b> , 30, 3335-3350		13
366	Bioactive Marine Molecules and Derivatives with Biopharmaceutical Potential. <b>2018</b> , 611-641		2
365	Searching for antigenotoxic properties of marine macroalgae dietary supplementation against endogenous and exogenous challenges. <b>2018</b> , 81, 939-956		6
364	Magnetic Dendritic Halloysite Nanotube for Highly Selective Recovery of Heparin Digested from Porcine Intestinal Mucosa. <b>2018</b> , 6, 14561-14573		12
363	Ultrasound-Assisted Ultra-Mild-Acid Hydrolysis of $\gamma$ -Carrageenan. <b>2018</b> , 17, 191		1
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361	Effect of polysaccharides extracts of algae <i>Ulva rigida</i> on growth, antioxidant, immune response and resistance of shrimp, <i>Litopenaeus vannamei</i> against <i>Photobacterium damsela</i> . <b>2018</b> , 49, 2503-2510		11
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355	Sargassum polysaccharide inhibits inflammatory response in PCV2 infected-RAW264.7 cells by regulating histone acetylation. <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 633-640	10.3	9
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351	Structural Characteristics and Anticoagulant Property In Vitro and In Vivo of a Seaweed Sulfated Rhamnan. <b>2018</b> , 16,		23
350	Cosmetic Functional Ingredients from Botanical Sources for Anti-Pollution Skincare Products. <b>2018</b> , 5, 19		26
349	Update on Marine Carbohydrate Hydrolyzing Enzymes: Biotechnological Applications. <b>2018</b> , 23,		20
348	Seaweeds and Cancer Prevention. <b>2018</b> , 269-290		8
347	Antioxidant Activity and Protective Effects of Enzyme-Extracted <i>Oudemansiella radiata</i> Polysaccharides on Alcohol-Induced Liver Injury. <b>2018</b> , 23,		18
346	Algae and Their Extracts in Medical Treatment. <b>2018</b> , 73-87		2
345	Anticancer, Antiviral, Antibacterial, and Antifungal Properties in Microalgae. <b>2018</b> , 235-261		19
344	Pharmacokinetic and Tissue Distribution of Fucoidan from after Oral Administration to Rats. <b>2018</b> , 16,		59
343	Comparative study of components and anti-oxidative effects between sulfated polysaccharide and its iron complex. <b>2018</b> , 118, 1303-1309		11
342	Structure and Bioactivity Screening of a Low Molecular Weight Ulvan from the Green Alga. <b>2018</b> , 16,		12
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339	Flexible agar-sericin hydrogel film dressing for chronic wounds. <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 572-582.	10.3	33
338	Effects of astaxanthin on <i>Brachionus manjavacas</i> (Rotifera) population growth. <b>2018</b> , 49, 2278-2287		7
337	Characterization of Red Seaweed Extracts Treated by Water, Acid and Alkaline Solutions. <b>2018</b> , 14,		4
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333	Marine polysaccharides for drug delivery in tissue engineering. <b>2019</b> , 513-530	4
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204	Rheological characterization of <i>Porphyridium sordidum</i> and <i>Porphyridium purpureum</i> exopolysaccharides. <i>Carbohydrate Polymers</i> , <b>2021</b> , 253, 117237	10.3 4
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