

# Se-Kwon Kim

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/721509/se-kwon-kim-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

793  
papers

34,106  
citations

99  
h-index

161  
g-index

822  
ext. papers

37,418  
ext. citations

5.1  
avg, IF

7.78  
L-index

#	Paper	IF	Citations
793	Biological activities and potential health benefits of sulfated polysaccharides derived from marine algae. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 14-21	10.3	654
792	Enzymatic production and biological activities of chitosan oligosaccharides (COS): A review. <i>Carbohydrate Polymers</i> , <b>2005</b> , 62, 357-368	10.3	634
791	Antimicrobial effect of chitooligosaccharides produced by bioreactor. <i>Carbohydrate Polymers</i> , <b>2001</b> , 44, 71-76	10.3	525
790	Alginate composites for bone tissue engineering: a review. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 269-81	7.9	523
789	Development and biological activities of marine-derived bioactive peptides: A review. <i>Journal of Functional Foods</i> , <b>2010</b> , 2, 1-9	5.1	515
788	Chitosan composites for bone tissue engineering--an overview. <i>Marine Drugs</i> , <b>2010</b> , 8, 2252-66	6	490
787	Bioactive compounds from marine processing byproducts [A review]. <i>Food Research International</i> , <b>2006</b> , 39, 383-393	7	487
786	Purification of a radical scavenging peptide from fermented mussel sauce and its antioxidant properties. <i>Food Research International</i> , <b>2005</b> , 38, 175-182	7	463
785	Antioxidant properties of a radical-scavenging peptide purified from enzymatically prepared fish skin gelatin hydrolysate. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 581-7	5.7	454
784	Isolation and characterization of antioxidative peptides from gelatin hydrolysate of Alaska pollack skin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2001</b> , 49, 1984-9	5.7	376
783	Investigation of jumbo squid ( <i>Dosidicus gigas</i> ) skin gelatin peptides for their in vitro antioxidant effects. <i>Life Sciences</i> , <b>2005</b> , 77, 2166-78	6.8	375
782	Purification and characterization of antioxidant peptide from hoki ( <i>Johnius belengerii</i> ) frame protein by gastrointestinal digestion. <i>Journal of Nutritional Biochemistry</i> , <b>2007</b> , 18, 31-8	6.3	368
781	Purification and in vitro antioxidative effects of giant squid muscle peptides on free radical-mediated oxidative systems. <i>Journal of Nutritional Biochemistry</i> , <b>2005</b> , 16, 562-9	6.3	365
780	Antioxidant activity of a peptide isolated from Alaska pollack ( <i>Theragra chalcogramma</i> ) frame protein hydrolysate. <i>Food Research International</i> , <b>2005</b> , 38, 45-50	7	359
779	Purification and characterization of an antioxidant peptide obtained from tuna backbone protein by enzymatic hydrolysis. <i>Process Biochemistry</i> , <b>2007</b> , 42, 840-846	4.8	353
778	Biological activities and health benefit effects of natural pigments derived from marine algae. <i>Journal of Functional Foods</i> , <b>2011</b> , 3, 255-266	5.1	331
777	Free radical scavenging activity of a novel antioxidative peptide purified from hydrolysate of bullfrog skin, <i>Rana catesbeiana</i> Shaw. <i>Bioresource Technology</i> , <b>2008</b> , 99, 1690-8	11	308

776	Purification and characterization of angiotensin I converting enzyme (ACE) inhibitory peptides from Alaska pollack ( <i>Theragra chalcogramma</i> ) skin. <i>Process Biochemistry</i> , <b>2001</b> , 36, 1155-1162	4.8	297
775	Phlorotannins as bioactive agents from brown algae. <i>Process Biochemistry</i> , <b>2011</b> , 46, 2219-2224	4.8	287
774	Chemical components and its antioxidant properties in vitro: an edible marine brown alga, <i>Ecklonia cava</i> . <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 1963-73	3.4	280
773	A novel angiotensin I converting enzyme inhibitory peptide from tuna frame protein hydrolysate and its antihypertensive effect in spontaneously hypertensive rats. <i>Food Chemistry</i> , <b>2010</b> , 118, 96-102	8.5	274
772	Purification and characterization of antioxidative peptides from protein hydrolysate of lecithin-free egg yolk. <i>JAACS, Journal of the American Oil Chemists Society</i> , <b>2001</b> , 78, 651-656	1.8	264
771	Purification and characterization of an antioxidative peptide from enzymatic hydrolysate of yellowfin sole ( <i>Limanda aspera</i> ) frame protein. <i>European Food Research and Technology</i> , <b>2004</b> , 219, 20-26	2.4	262
770	Production of chitooligosaccharides using an ultrafiltration membrane reactor and their antibacterial activity. <i>Carbohydrate Polymers</i> , <b>2000</b> , 41, 133-141	10.3	257
769	Immense essence of excellence: marine microbial bioactive compounds. <i>Marine Drugs</i> , <b>2010</b> , 8, 2673-7016		256
768	Green synthesis of titanium dioxide nanoparticles using <i>Psidium guajava</i> extract and its antibacterial and antioxidant properties. <i>Asian Pacific Journal of Tropical Medicine</i> , <b>2014</b> , 7, 968-76	2.1	250
767	Angiotensin-I-converting enzyme (ACE) inhibitors from marine resources: prospects in the pharmaceutical industry. <i>Marine Drugs</i> , <b>2010</b> , 8, 1080-93	6	249
766	Free radical scavenging activities of differently deacetylated chitosans using an ESR spectrometer. <i>Carbohydrate Polymers</i> , <b>2004</b> , 55, 17-22	10.3	247
765	Pharmaceutically active secondary metabolites of marine actinobacteria. <i>Microbiological Research</i> , <b>2014</b> , 169, 262-78	5.3	245
764	Angiotensin I-converting enzyme inhibitory peptide from yellowfin sole ( <i>Limanda aspera</i> ) frame protein and its antihypertensive effect in spontaneously hypertensive rats. <i>Food Chemistry</i> , <b>2006</b> , 94, 26-32	8.5	241
763	Chitosan derivatives killed bacteria by disrupting the outer and inner membrane. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 6629-33	5.7	228
762	Improvement of functional properties of cod frame protein hydrolysates using ultrafiltration membranes. <i>Process Biochemistry</i> , <b>1999</b> , 35, 471-478	4.8	224
761	Nano-hydroxyapatite composite biomaterials for bone tissue engineering--a review. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 3124-40	4	219
760	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
759	Protective effect of an antioxidative peptide purified from gastrointestinal digests of oyster, <i>Crassostrea gigas</i> against free radical induced DNA damage. <i>Bioresource Technology</i> , <b>2008</b> , 99, 3365-71	11	211

758	Purification and characterization of antioxidative peptide derived from muscle of conger eel (Conger myriaster). <i>European Food Research and Technology</i> , <b>2006</b> , 222, 310-315	3.4	209
757	Angiotensin I converting enzyme inhibitory peptides purified from bovine skin gelatin hydrolysate. <i>Journal of Agricultural and Food Chemistry</i> , <b>2001</b> , 49, 2992-7	5.7	204
756	Preparation and characterization of carbon nanotube-grafted-chitosan $\square$ Natural hydroxyapatite composite for bone tissue engineering. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 569-577	10.3	201
755	Beneficial effects of marine algal compounds in cosmeceuticals. <i>Marine Drugs</i> , <b>2013</b> , 11, 146-64	6	193
754	Biological activities and potential health benefits of bioactive peptides derived from marine organisms. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 378-83	7.9	190
753	Marine food-derived functional ingredients as potential antioxidants in the food industry: An overview. <i>Food Research International</i> , <b>2011</b> , 44, 523-529	7	189
752	The Suppressive Activity of Fucofuroeckol-A Derived from Brown Algal <i>Ecklonia stolonifera</i> Okamura on UVB-Induced Mast Cell Degranulation. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	187
751	Sulfated polysaccharides as bioactive agents from marine algae. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 70-5	7.9	178
750	An overview of chitin or chitosan/nano ceramic composite scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1338-1353	7.9	177
749	Potential pharmacological applications of polyphenolic derivatives from marine brown algae. <i>Environmental Toxicology and Pharmacology</i> , <b>2011</b> , 32, 325-35	5.8	177
748	Free radical scavenging properties of hetero-chitooligosaccharides using an ESR spectroscopy. <i>Food and Chemical Toxicology</i> , <b>2004</b> , 42, 381-7	4.7	177
747	Induction of apoptosis by phloroglucinol derivative from <i>Ecklonia Cava</i> in MCF-7 human breast cancer cells. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 1653-8	4.7	174
746	Prospective of the cosmeceuticals derived from marine organisms. <i>Biotechnology and Bioprocess Engineering</i> , <b>2008</b> , 13, 511-523	3.1	174
745	Anti-HIV-1 activity of phloroglucinol derivative, 6,6'-bieckol, from <i>Ecklonia cava</i> . <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 7921-6	3.4	170
744	Phlorotannins in <i>Ecklonia cava</i> extract inhibit matrix metalloproteinase activity. <i>Life Sciences</i> , <b>2006</b> , 79, 1436-43	6.8	170
743	Chitosan-alginate biocomposite containing fucoidan for bone tissue engineering. <i>Marine Drugs</i> , <b>2014</b> , 12, 300-16	6	165
742	PREPARATION OF CHITIN AND CHITOSAN OLIGOMERS AND THEIR APPLICATIONS IN PHYSIOLOGICAL FUNCTIONAL FOODS. <i>Food Reviews International</i> , <b>2000</b> , 16, 159-176	5.5	165
741	Phlorotannins from <i>Ecklonia cava</i> (Phaeophyceae): biological activities and potential health benefits. <i>BioFactors</i> , <b>2010</b> , 36, 408-14	6.1	162

740	Chitooligosaccharide and its derivatives: preparation and biological applications. <i>BioMed Research International</i> , <b>2014</b> , 2014, 654913	3	161
739	Isolation and characterization of collagen from brown backed toadfish ( <i>Lagocephalus gloveri</i> ) skin. <i>Bioresource Technology</i> , <b>2006</b> , 97, 191-7	11	159
738	Anticoagulant activity of marine green and brown algae collected from Jeju Island in Korea. <i>Bioresource Technology</i> , <b>2007</b> , 98, 1711-6	11	158
737	Neuroprotective effects of marine algae. <i>Marine Drugs</i> , <b>2011</b> , 9, 803-18	6	155
736	Preparation and characterization of nano chitosan for treatment wastewaters. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 57, 204-12	7.9	154
735	Antihypertensive effect of angiotensin i converting enzyme-inhibitory peptide from hydrolysates of Bigeye tuna dark muscle, <i>Thunnus obesus</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 8398-403	5.7	153
734	Antimicrobial effect of phlorotannins from marine brown algae. <i>Food and Chemical Toxicology</i> , <b>2012</b> , 50, 3251-5	4.7	151
733	Antioxidant effects of chitin, chitosan, and their derivatives. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 73, 15-31	6	150
732	Biological effects of chitosan and its derivatives. <i>Food Hydrocolloids</i> , <b>2015</b> , 51, 200-216	10.6	150
731	A novel angiotensin I converting enzyme inhibitory peptide from Alaska pollack ( <i>Theragra chalcogramma</i> ) frame protein hydrolysate. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 7842-5	5.7	149
730	Fucoidans as a natural bioactive ingredient for functional foods. <i>Journal of Functional Foods</i> , <b>2013</b> , 5, 16-27	5.1	147
729	Research and application of marine microbial enzymes: status and prospects. <i>Marine Drugs</i> , <b>2010</b> , 8, 1920-34	6	143
728	Biological approach to synthesize TiO <sub>2</sub> nanoparticles using <i>Aeromonas hydrophila</i> and its antibacterial activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 107, 82-9	4.4	142
727	Preparation, characterization, and antioxidant properties of gallic acid-grafted-chitosans. <i>Carbohydrate Polymers</i> , <b>2011</b> , 83, 1617-1622	10.3	142
726	Antioxidant peptides isolated from the marine rotifer, <i>Brachionus rotundiformis</i> . <i>Process Biochemistry</i> , <b>2009</b> , 44, 842-846	4.8	139
725	Free radical scavenging activity of chitooligosaccharides by electron spin resonance spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 4624-7	5.7	138
724	Preparation and characterization of chitosan-carbon nanotube scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 393-402	7.9	136
723	In vitro antioxidant activity of a peptide isolated from Nile tilapia ( <i>Oreochromis niloticus</i> ) scale gelatin in free radical-mediated oxidative systems. <i>Journal of Functional Foods</i> , <b>2010</b> , 2, 107-117	5.1	136

722	Anti-photoaging and photoprotective compounds derived from marine organisms. <i>Marine Drugs</i> , <b>2010</b> , 8, 1189-202	6	132
721	Angiotensin I converting enzyme (ACE) inhibitory peptide derived from the sauce of fermented blue mussel, <i>Mytilus edulis</i> . <i>Bioresource Technology</i> , <b>2005</b> , 96, 1624-9	11	132
720	Isolation of angiotensin I converting enzyme (ACE) inhibitor from fermented oyster sauce, <i>Crassostrea gigas</i> . <i>Food Chemistry</i> , <b>2005</b> , 90, 809-814	8.5	132
719	Strong electronic charge as an important factor for anticancer activity of chitooligosaccharides (COS). <i>Life Sciences</i> , <b>2006</b> , 78, 2399-408	6.8	131
718	An active peptide purified from gastrointestinal enzyme hydrolysate of Pacific cod skin gelatin attenuates angiotensin-1 converting enzyme (ACE) activity and cellular oxidative stress. <i>Food Chemistry</i> , <b>2012</b> , 132, 1872-1882	8.5	130
717	A novel anticoagulant purified from fish protein hydrolysate inhibits factor XIIa and platelet aggregation. <i>Life Sciences</i> , <b>2005</b> , 76, 2607-19	6.8	129
716	Chitin oligosaccharides inhibit oxidative stress in live cells. <i>Carbohydrate Polymers</i> , <b>2008</b> , 74, 228-234	10.3	128
715	Potential anti-HIV agents from marine resources: an overview. <i>Marine Drugs</i> , <b>2010</b> , 8, 2871-92	6	127
714	Antioxidant effects of phlorotannins isolated from <i>Ishige okamurae</i> in free radical mediated oxidative systems. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 7001-9	5.7	127
713	Inhibitory effect of phlorotannins isolated from <i>Ecklonia cava</i> on mushroom tyrosinase activity and melanin formation in mouse B16F10 melanoma cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 4124-9	5.7	124
712	Biosynthesis, antimicrobial and cytotoxic effect of silver nanoparticles using a novel <i>Nocardiopsis</i> sp. MBRC-1. <i>BioMed Research International</i> , <b>2013</b> , 2013, 287638	3	121
711	Marine Fish Proteins and Peptides for Cosmeceuticals: A Review. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	117
710	Biological importance and applications of squalene and squalane. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 223-33	6	117
709	A novel angiotensin I-converting enzyme (ACE) inhibitory peptide from a marine <i>Chlorella ellipsoidea</i> and its antihypertensive effect in spontaneously hypertensive rats. <i>Process Biochemistry</i> , <b>2012</b> , 47, 2005-2011	4.8	115
708	α-Glucosidase and α-amylase inhibitory activities of phloroglucinal derivatives from edible marine brown alga, <i>Ecklonia cava</i> . <i>Journal of the Science of Food and Agriculture</i> , <b>2009</b> , 89, 1552-1558	4.3	111
707	Chitosan-amylopectin/hydroxyapatite and chitosan-chondroitin sulphate/hydroxyapatite composite scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 1033-42	7.9	110
706	Inhibitory effects of polyphenols isolated from marine alga <i>Ecklonia cava</i> on histamine release. <i>Process Biochemistry</i> , <b>2009</b> , 44, 168-176	4.8	110
705	Inhibition of inducible nitric oxide synthase and cyclooxygenase-2 in lipopolysaccharide-stimulated RAW264.7 cells by carboxybutyrylated glucosamine takes place via down-regulation of mitogen-activated protein kinase-mediated nuclear factor-kappaB signaling. <i>Immunology</i> , <b>2008</b> , 123, 348-57	7.8	109

704	Marine antitumor drugs: status, shortfalls and strategies. <i>Marine Drugs</i> , <b>2010</b> , 8, 2702-20	6	107
703	Production of chitin oligosaccharides with different molecular weights and their antioxidant effect in RAW 264.7 cells. <i>Journal of Functional Foods</i> , <b>2009</b> , 1, 188-198	5.1	105
702	An in vitro cellular analysis of the radical scavenging efficacy of chitooligosaccharides. <i>Life Sciences</i> , <b>2007</b> , 80, 2118-2127	6.8	105
701	Neuroprotective properties of chitosan and its derivatives. <i>Marine Drugs</i> , <b>2010</b> , 8, 2117-28	6	104
700	Antimicrobial and anticancer activities of porous chitosan-alginate biosynthesized silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 98, 515-525	7.9	103
699	Anti-HIV-1 activity of low molecular weight sulfated chitooligosaccharides. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 656-62	2.9	103
698	Anti-allergic effects of phlorotannins on histamine release via binding inhibition between IgE and Fc epsilonRI. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 12073-80	5.7	102
697	Seaweed Polysaccharide-Based Nanoparticles: Preparation and Applications for Drug Delivery. <i>Polymers</i> , <b>2016</b> , 8,	4.5	101
696	Purification of novel anti-inflammatory peptides from enzymatic hydrolysate of the edible microalgal <i>Spirulina maxima</i> . <i>Journal of Functional Foods</i> , <b>2013</b> , 5, 1336-1346	5.1	100
695	Preparation of hoki ( <i>Johnius belengerii</i> ) bone oligophosphopeptide with a high affinity to calcium by carnivorous intestine crude proteinase. <i>Food Chemistry</i> , <b>2005</b> , 91, 333-340	8.5	98
694	Seaweed polysaccharides and their potential biomedical applications. <i>Starch/Staerke</i> , <b>2015</b> , 67, 381-390	2.3	97
693	Marine algae as a potential pharmaceutical source for anti-allergic therapeutics. <i>Process Biochemistry</i> , <b>2012</b> , 47, 386-394	4.8	97
692	Flavonoid glycosides isolated from <i>Salicornia herbacea</i> inhibit matrix metalloproteinase in HT1080 cells. <i>Toxicology in Vitro</i> , <b>2008</b> , 22, 1742-8	3.6	95
691	Antimicrobial, Antioxidant, and Anticancer Activities of Biosynthesized Silver Nanoparticles Using Marine Algae <i>Ecklonia cava</i> . <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	94
690	Marine actinobacteria: an important source of bioactive natural products. <i>Environmental Toxicology and Pharmacology</i> , <b>2014</b> , 38, 172-88	5.8	93
689	Active peptides from skate ( <i>Okamejei kenojei</i> ) skin gelatin diminish angiotensin-I converting enzyme activity and intracellular free radical-mediated oxidation. <i>Food Chemistry</i> , <b>2014</b> , 143, 246-55	8.5	92
688	Differentiation of human osteosarcoma cells by isolated phlorotannins is subtly linked to COX-2, iNOS, MMPs, and MAPK signaling: implication for chronic articular disease. <i>Chemico-Biological Interactions</i> , <b>2009</b> , 179, 192-201	5	92
687	<i>Ecklonia cava</i> ethanolic extracts inhibit lipopolysaccharide-induced cyclooxygenase-2 and inducible nitric oxide synthase expression in BV2 microglia via the MAP kinase and NF-kappaB pathways. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 410-7	4.7	92



686	Nutritional and digestive health benefits of seaweed. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 17-28	6	92
685	Calcium-binding peptide derived from pepsinolytic hydrolysates of hoki ( <i>Johnius belengerii</i> ) frame. <i>European Food Research and Technology</i> , <b>2007</b> , 224, 763-767	3.4	92
684	Recovery of a novel Ca-binding peptide from Alaska Pollack ( <i>Theragra chalcogramma</i> ) backbone by pepsinolytic hydrolysis. <i>Process Biochemistry</i> , <b>2006</b> , 41, 2097-2100	4.8	92
683	Reactive oxygen species scavenging activity of aminoderivatized chitosan with different degree of deacetylation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 5989-94	3.4	89
682	Biophysicochemical evaluation of chitosan-hydroxyapatite-marine sponge collagen composite for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 486-95	5.4	87
681	Effect of Temperature on Isolation and Characterization of Hydroxyapatite from Tuna ( <i>Thunnus obesus</i> ) Bone. <i>Materials</i> , <b>2010</b> , 3, 4761-4772	3.5	86
680	Reactive oxygen scavenging effect of enzymatic extracts from <i>Sargassum thunbergii</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 6666-72	5.7	84
679	Golmaenone, a new diketopiperazine alkaloid from the marine-derived fungus <i>Aspergillus</i> sp. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2004</b> , 52, 375-6	1.9	84
678	Preparation and characterization of chitosan-natural nano hydroxyapatite-fucoidan nanocomposites for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1479-1487	7.9	83
677	Effect of phloroglucinol on oxidative stress and inflammation. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 2925-33	4.7	83
676	Angiotensin I converting enzyme (ACE) inhibitory activity of hetero-chitooligosaccharides prepared from partially different deacetylated chitosans. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 4930-4	5.7	83
675	Continuous production of chitooligosaccharides using a dual reactor system. <i>Process Biochemistry</i> , <b>2000</b> , 35, 623-632	4.8	83
674	Antimicrobial Activity of Chitosan-Carbon Nanotube Hydrogels. <i>Materials</i> , <b>2014</b> , 7, 3946-3955	3.5	82
673	Paeonol from <i>Hippocampus kuda</i> Bleeler suppressed the neuro-inflammatory responses in vitro via NF- $\kappa$ B and MAPK signaling pathways. <i>Toxicology in Vitro</i> , <b>2012</b> , 26, 878-87	3.6	82
672	Free radical scavenging and angiotensin-I converting enzyme inhibitory peptides from Pacific cod ( <i>Gadus macrocephalus</i> ) skin gelatin. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 1110-6	7.9	82
671	Fish-bone peptide increases calcium solubility and bioavailability in ovariectomised rats. <i>British Journal of Nutrition</i> , <b>2006</b> , 95, 124-8	3.6	81
670	Structure and activity of angiotensin I converting enzyme inhibitory peptides derived from Alaskan pollack skin. <i>BMB Reports</i> , <b>2002</b> , 35, 239-43	5.5	81
669	Purification and antioxidant properties of bigeye tuna ( <i>Thunnus obesus</i> ) dark muscle peptide on free radical-mediated oxidative systems. <i>Journal of Medicinal Food</i> , <b>2008</b> , 11, 629-37	2.8	80



668	Isolation and characterisation of an anticoagulant oligopeptide from blue mussel, <i>Mytilus edulis</i> . <i>Food Chemistry</i> , <b>2009</b> , 117, 687-692	8.5	79
667	Evaluation of semi-interpenetrating polymer networks composed of chitosan and poloxamer for wound dressing application. <i>International Journal of Pharmaceutics</i> , <b>2007</b> , 341, 35-43	6.5	79
666	Inhibition of tumor growth in vitro and in vivo by fucoxanthin against melanoma B16F10 cells. <i>Environmental Toxicology and Pharmacology</i> , <b>2013</b> , 35, 39-46	5.8	78
665	Anti-photoaging activity and inhibition of matrix metalloproteinase (MMP) by marine red alga, <i>Corallina pilulifera</i> methanol extract. <i>Radiation Physics and Chemistry</i> , <b>2009</b> , 78, 98-105	2.5	78
664	Marine algae-mediated synthesis of gold nanoparticles using a novel <i>Ecklonia cava</i> . <i>Bioprocess and Biosystems Engineering</i> , <b>2014</b> , 37, 1591-7	3.7	77
663	Effects of brown alga, <i>Ecklonia cava</i> on glucose and lipid metabolism in C57BL/KsJ-db/db mice, a model of type 2 diabetes mellitus. <i>Food and Chemical Toxicology</i> , <b>2012</b> , 50, 575-82	4.7	75
662	Purification and identification of antihypertensive peptides from seaweed pipefish ( <i>Syngnathus schlegeli</i> ) muscle protein hydrolysate. <i>Food Research International</i> , <b>2011</b> , 44, 703-707	7	75
661	Amino acid changes in fermented oyster ( <i>Crassostrea gigas</i> ) sauce with different fermentation periods. <i>Food Chemistry</i> , <b>2005</b> , 91, 15-18	8.5	75
660	In vivo study of chitosan-natural nano hydroxyapatite scaffolds for bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 67, 360-6	7.9	73
659	Water-soluble chitosan derivatives as a BACE1 inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 6551-5	3.4	73
658	Purification and characterization of angiotensin I converting enzyme inhibitory peptides from the rotifer, <i>Brachionus rotundiformis</i> . <i>Bioresource Technology</i> , <b>2009</b> , 100, 5255-9	11	72
657	Antioxidative activity of a low molecular weight peptide derived from the sauce of fermented blue mussel, <i>Mytilus edulis</i> . <i>European Food Research and Technology</i> , <b>2005</b> , 220, 535-539	3.4	72
656	Antioxidant activity of enzymatic extracts from a brown seaweed <i>Ecklonia cava</i> by electron spin resonance spectrometry and comet assay. <i>European Food Research and Technology</i> , <b>2005</b> , 221, 41-47	3.4	71
655	Beneficial effects of fucoidan on osteoblastic MG-63 cell differentiation. <i>Food Chemistry</i> , <b>2009</b> , 116, 990-994	8.4	70
654	Marine microorganisms: An emerging avenue in modern nutraceuticals and functional foods. <i>Food Research International</i> , <b>2014</b> , 56, 115-125	7	69
653	Isolation and Characterization of Nano-Hydroxyapatite from Salmon Fish Bone. <i>Materials</i> , <b>2015</b> , 8, 5426-5439	5.3	68
652	Early gene expression analyzed by cDNA microarray and RT-PCR in osteoblasts cultured with water-soluble and low molecular chitooligosaccharide. <i>Biomaterials</i> , <b>2004</b> , 25, 1749-54	15.6	68
651	Marine cosmeceuticals. <i>Journal of Cosmetic Dermatology</i> , <b>2014</b> , 13, 56-67	2.5	67

650	Angiotensin-I converting enzyme inhibitory peptides from antihypertensive skate (Okamejei kenojei) skin gelatin hydrolysate in spontaneously hypertensive rats. <i>Food Chemistry</i> , <b>2015</b> , 174, 37-43	8.5	66
649	Attenuation of pro-inflammatory mediators in LPS-stimulated BV2 microglia by chitooligosaccharides via the MAPK signaling pathway. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 599-606	7.9	66
648	Anti-adipogenic effect of dioxinohydroeckol via AMPK activation in 3T3-L1 adipocytes. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 186, 24-9	5	66
647	Triterpene glycosides from sea cucumbers and their biological activities. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 297-319	6	65
646	Phlorotannins from <i>Ishige okamurae</i> and their acetyl- and butyrylcholinesterase inhibitory effects. <i>Journal of Functional Foods</i> , <b>2009</b> , 1, 331-335	5.1	65
645	Effects of <i>Ecklonia cava</i> ethanolic extracts on airway hyperresponsiveness and inflammation in a murine asthma model: role of suppressor of cytokine signaling. <i>Biomedicine and Pharmacotherapy</i> , <b>2008</b> , 62, 289-96	7.5	65
644	Inhibitory effects of chitooligosaccharides on degranulation and cytokine generation in rat basophilic leukemia RBL-2H3 cells. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 649-655	10.3	64
643	Factors affecting the free radical scavenging behavior of chitosan sulfate. <i>International Journal of Biological Macromolecules</i> , <b>2005</b> , 36, 120-7	7.9	64
642	A new antibacterial dioxopiperazine alkaloid related to gliotoxin from a marine isolate of the fungus <i>Pseudallescheria</i> . <i>Journal of Antibiotics</i> , <b>2006</b> , 59, 248-50	3.7	64
641	Factors affecting anti-inflammatory effect of chitooligosaccharides in lipopolysaccharides-induced RAW264.7 macrophage cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 6655-8	2.9	63
640	Angiotensin- I- converting enzyme (ACE) inhibitory peptides from Pacific cod skin gelatin using ultrafiltration membranes. <i>Process Biochemistry</i> , <b>2016</b> , 51, 1622-1628	4.8	63
639	α-Glucosidase- and α-amylase-inhibitory activities of phlorotannins from <i>Eisenia bicyclis</i> . <i>Journal of the Science of Food and Agriculture</i> , <b>2012</b> , 92, 2084-90	4.3	62
638	Purification and characterization of a novel anticoagulant peptide from marine echiuroid worm, <i>Urechis unicinctus</i> . <i>Process Biochemistry</i> , <b>2008</b> , 43, 179-184	4.8	62
637	Preparation and antioxidative activity of hoki frame protein hydrolysate using ultrafiltration membranes. <i>European Food Research and Technology</i> , <b>2005</b> , 221, 157-162	3.4	61
636	Extracellular synthesis of gold bionanoparticles by <i>Nocardopsis</i> sp. and evaluation of its antimicrobial, antioxidant and cytotoxic activities. <i>Bioprocess and Biosystems Engineering</i> , <b>2015</b> , 38, 1167-1177	3.7	60
635	Chitooligosaccharides inhibit activation and expression of matrix metalloproteinase-2 in human dermal fibroblasts. <i>FEBS Letters</i> , <b>2006</b> , 580, 2661-6	3.8	60
634	Caffeic acid phenethyl ester attenuates allergic airway inflammation and hyperresponsiveness in murine model of ovalbumin-induced asthma. <i>Life Sciences</i> , <b>2008</b> , 82, 797-805	6.8	59
633	Inhibition of free radical-mediated oxidation of cellular biomolecules by carboxylated chitooligosaccharides. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 997-1003	3.4	58

632	Antimicrobial action of novel chitin derivative. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2006</b> , 1760, 104-9	4	58
631	Fucoxanthin ameliorates inflammation and oxidative reponses in microglia. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 3876-83	5-7	57
630	Marine organisms as a therapeutic source against herpes simplex virus infection. <i>European Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 44, 11-20	5-1	57
629	Anti-inflammatory effect of Ishige okamurae ethanolic extract via inhibition of NF-kappaB transcription factor in RAW 264.7 cells. <i>Phytotherapy Research</i> , <b>2009</b> , 23, 628-34	6-7	57
628	Ecklonia cava extract suppresses the high-affinity IgE receptor, FcepsilonRI expression. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 555-60	4-7	57
627	Improvement of ACE inhibitory activity of chitooligosaccharides (COS) by carboxyl modification. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 3649-55	3-4	55
626	Photoprotective Substances Derived from Marine Algae. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	55
625	Physcion from marine-derived fungus <i>Microsporium</i> sp. induces apoptosis in human cervical carcinoma HeLa cells. <i>Microbiological Research</i> , <b>2014</b> , 169, 255-61	5-3	54
624	Isolation and characterization of biologically active melanin from <i>Actinoalloteichus</i> sp. MA-32. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 58, 263-74	7-9	54
623	Role of alginate in bone tissue engineering. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 73, 45-57	6	54
622	Anti-inflammatory effect of coumarins isolated from <i>Corydalis heterocarpa</i> in HT-29 human colon carcinoma cells. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 2129-34	4-7	54
621	Aminoethyl chitooligosaccharides inhibit the activity of angiotensin converting enzyme. <i>Process Biochemistry</i> , <b>2008</b> , 43, 119-123	4-8	54
620	Purification and characterization of a new lectin from the hard roe of skipjack tuna, <i>Katsuwonus pelamis</i> . <i>International Journal of Biochemistry and Cell Biology</i> , <b>2003</b> , 35, 255-65	5-6	54
619	Myrothenones A and B, cyclopentenone derivatives with tyrosinase inhibitory activity from the marine-derived fungus <i>Myrothecium</i> sp. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2005</b> , 53, 453-5	1-9	54
618	Biomedical Applications of Chitosan: An Overview. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2012</b> , 2, 100-111	0-3	54
617	Bioactive Peptide of Marine Origin for the Prevention and Treatment of Non-Communicable Diseases. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	53
616	Novel antifungal diketopiperazine from marine fungus. <i>Journal of Antibiotics</i> , <b>2003</b> , 56, 102-6	3-7	53
615	Peptide isolated from Japanese flounder skin gelatin protects against cellular oxidative damage. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 9112-9	5-7	52

614	Synthesis of phenolic acid conjugated chitoooligosaccharides and evaluation of their antioxidant activity. <i>Environmental Toxicology and Pharmacology</i> , <b>2012</b> , 34, 519-527	5.8	52
613	Effect of chitoooligosaccharides on calcium bioavailability and bone strength in ovariectomized rats. <i>Life Sciences</i> , <b>2006</b> , 78, 970-6	6.8	52
612	Production of polysaccharide-based bioflocculant for the synthesis of silver nanoparticles by <i>Streptomyces</i> sp. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 77, 159-67	7.9	51
611	Matrix metalloproteinase inhibitors (MMPi)s from marine natural products: the current situation and future prospects. <i>Marine Drugs</i> , <b>2009</b> , 7, 71-84	6	51
610	Anti-obesity effect of sulfated glucosamine by AMPK signal pathway in 3T3-L1 adipocytes. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 2401-6	4.7	51
609	Enzyme-Assisted Discovery of Antioxidant Peptides from Edible Marine Invertebrates: A Review. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	50
608	Removal of Cr(VI) from aqueous solution using chitosan-g-poly(butyl acrylate)/silica gel nanocomposite. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 87, 545-54	7.9	49
607	Optimization, production and characterization of glycolipid biosurfactant from the marine actinobacterium, <i>Streptomyces</i> sp. MAB36. <i>Bioprocess and Biosystems Engineering</i> , <b>2014</b> , 37, 783-97	3.7	49
606	Characterization of growth and protein contents from microalgae <i>Navicula incerta</i> with the investigation of antioxidant activity of enzymatic hydrolysates. <i>Food Science and Biotechnology</i> , <b>2011</b> , 20, 183-191	3	49
605	Antioxidant activity of gallate-chitoooligosaccharides in mouse macrophage RAW264.7 cells. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 1282-1288	10.3	49
604	Anticoagulant activity of heterochitosans and their oligosaccharide sulfates. <i>European Food Research and Technology</i> , <b>2004</b> , 219, 529-533	3.4	49
603	Purification of a peptide from seahorse, that inhibits TPA-induced MMP, iNOS and COX-2 expression through MAPK and NF-kappaB activation, and induces human osteoblastic and chondrocytic differentiation. <i>Chemico-Biological Interactions</i> , <b>2010</b> , 184, 413-22	5	48
602	Floridoside suppresses pro-inflammatory responses by blocking MAPK signaling in activated microglia. <i>BMB Reports</i> , <b>2013</b> , 46, 398-403	5.5	48
601	Chitosan as a vehicle for growth factor delivery: Various preparations and their applications in bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 1383-1397	7.9	47
600	Production of $\alpha$ -amylase for the biosynthesis of gold nanoparticles using <i>Streptomyces</i> sp. MBRC-82. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 71-8	7.9	47
599	Marine fish-derived bioactive peptides as potential antihypertensive agents. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 249-60	6	47
598	Hydroxyapatite-fucoidan nanocomposites for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 57, 138-41	7.9	47
597	Utilization of seaweed derived ingredients as potential antioxidants and functional ingredients in the food industry: An overview. <i>Food Science and Biotechnology</i> , <b>2011</b> , 20, 1461-1466	3	47

596	Inhibitors of oxidation and matrix metalloproteinases, floridoside, and D-isofloridoside from marine red alga <i>Laurencia undulata</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 578-86	5.7	47
595	Acetylcholinesterase inhibitory activity of novel chitooligosaccharide derivatives. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 869-872	10.3	47
594	Chitooligosaccharides as a novel $\beta$ -secretase inhibitor. <i>Carbohydrate Polymers</i> , <b>2005</b> , 61, 198-202	10.3	47
593	Applications of carbon nanomaterials in bone tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 3105-23	4	46
592	Down-regulation of histamine-induced endothelial cell activation as potential anti-atherosclerotic activity of peptides from <i>Spirulina maxima</i> . <i>European Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 50, 198-207	5.7	45
591	Molecular cloning and expression of human alpha2,8-sialyltransferase (hST8Sia V). <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 235, 327-30	3.4	45
590	Preparation of semi-interpenetrating polymer networks composed of chitosan and poloxamer. <i>International Journal of Biological Macromolecules</i> , <b>2006</b> , 38, 51-8	7.9	45
589	Effects of Dietary <i>Chlorella ellipsoidea</i> Supplementation on Growth, Blood Characteristics, and Whole-Body Composition in Juvenile Japanese Flounder <i>Paralichthys olivaceus</i> . <i>Journal of the World Aquaculture Society</i> , <b>2002</b> , 33, 425-431	2.5	45
588	The free radical scavenging and anti-inflammatory activities of gallate-chitooligosaccharides in human lung epithelial A549 cells. <i>Process Biochemistry</i> , <b>2017</b> , 54, 188-194	4.8	43
587	The beneficial properties of marine polysaccharides in alleviation of allergic responses. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 129-38	5.9	43
586	Triterpenoids of marine origin as anti-cancer agents. <i>Molecules</i> , <b>2013</b> , 18, 7886-909	4.8	43
585	Determination of kinetic parameters, Km and kcat, with a single experiment on a chip. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 3239-45	7.8	43
584	Protective effect of isorhamnetin 3-O-beta-D-glucopyranoside from <i>Salicornia herbacea</i> against oxidation-induced cell damage. <i>Food and Chemical Toxicology</i> , <b>2009</b> , 47, 1914-20	4.7	43
583	Gallic acid-grafted chitooligosaccharides suppress antigen-induced allergic reactions in RBL-2H3 mast cells. <i>European Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 47, 527-33	5.1	42
582	Present and future prospects of seaweeds in developing functional foods. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 1-15	6	42
581	Antihypertensive effect of an angiotensin I-converting enzyme inhibitory peptide from bullfrog ( <i>Rana catesbeiana</i> Shaw) muscle protein in spontaneously hypertensive rats. <i>Process Biochemistry</i> , <b>2007</b> , 42, 1443-1448	4.8	42
580	Biological activities of carrageenan. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 72, 113-124	6	41
579	Antioxidant peptides from protein hydrolysate of microalgae <i>Navicula incerta</i> and their protective effects in HepG2/CYP2E1 cells induced by ethanol. <i>Phytotherapy Research</i> , <b>2012</b> , 26, 1555-63	6.7	41

578	Anticancer compounds from marine macroalgae and their application as medicinal foods. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 213-24	6	41
577	SHP-1, a novel peptide isolated from seahorse inhibits collagen release through the suppression of collagenases 1 and 3, nitric oxide products regulated by NF-kappaB/p38 kinase. <i>Peptides</i> , <b>2010</b> , 31, 79-87 <sup>3,8</sup>	7.8	41
576	Potential targets for anti-inflammatory and anti-allergic activities of marine algae: an overview. <i>Inflammation and Allergy: Drug Targets</i> , <b>2012</b> , 11, 90-101		41
575	Chitin and chitosan composites for bone tissue regeneration. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 73, 59-81	6	40
574	Protective effects of protein hydrolysate from marine microalgae <i>Navicula incerta</i> on ethanol-induced toxicity in HepG2/CYP2E1 cells. <i>Food Chemistry</i> , <b>2012</b> , 132, 677-685	8.5	40
573	Gallyl chitooligosaccharides inhibit intracellular free radical-mediated oxidation. <i>Food Chemistry</i> , <b>2011</b> , 128, 974-981	8.5	40
572	Production and characterization of an extracellular polysaccharide from <i>Streptomyces violaceus</i> MM72. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 59, 29-38	7.9	39
571	Fumigaclavine C from a marine-derived fungus <i>Aspergillus fumigatus</i> induces apoptosis in MCF-7 breast cancer cells. <i>Marine Drugs</i> , <b>2013</b> , 11, 5063-86	6	39
570	Creation of stepwise concentration gradient in picoliter droplets for parallel reactions of matrix metalloproteinase II and IX. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 3358-64	7.8	39
569	Carboxymethylations of chitosan and chitin inhibit MMP expression and ROS scavenging in human fibrosarcoma cells. <i>Process Biochemistry</i> , <b>2010</b> , 45, 179-186	4.8	39
568	Protective effect of enzymatic extracts from microalgae against DNA damage induced by H <sub>2</sub> O <sub>2</sub> . <i>Marine Biotechnology</i> , <b>2007</b> , 9, 479-90	3.4	39
567	Free radical scavenging activity of a novel antioxidative peptide isolated from in vitro gastrointestinal digests of <i>Mytilus coruscus</i> . <i>Journal of Medicinal Food</i> , <b>2007</b> , 10, 197-202	2.8	39
566	Neoechinulin A suppresses amyloid- $\beta$ oligomer-induced microglia activation and thereby protects PC-12 cells from inflammation-mediated toxicity. <i>NeuroToxicology</i> , <b>2013</b> , 35, 30-40	4.4	37
565	Marine invertebrate natural products for anti-inflammatory and chronic diseases. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 572859	2.3	37
564	Cytotoxic activities of water-soluble chitosan derivatives with different degree of deacetylation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 2122-6	2.9	37
563	Radical scavenging activity of hetero-chitooligosaccharides. <i>European Food Research and Technology</i> , <b>2004</b> , 219, 60-65	3.4	37
562	Preparation, Characterization and Biological Applications of Biosynthesized Silver Nanoparticles with Chitosan-Fucoidan Coating. <i>Molecules</i> , <b>2018</b> , 23,	4.8	36
561	Sulfated chitosan oligosaccharides suppress LPS-induced NO production via JNK and NF- $\kappa$ B inactivation. <i>Molecules</i> , <b>2014</b> , 19, 18232-47	4.8	36



560	Tyrosol exerts a protective effect against dopaminergic neuronal cell death in in vitro model of Parkinson's disease. <i>Food Chemistry</i> , <b>2013</b> , 141, 1147-57	8.5	36
559	Biological activities and potential health benefits of fucoxanthin derived from marine brown algae. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 111-28	6	36
558	Apoptosis induction of human leukemia U937 cells by gomisin N, a dibenzocyclooctadiene lignan, isolated from <i>Schizandra chinensis</i> Baill. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 807-13	4.7	36
557	Cathepsin B inhibitory activities of phthalates isolated from a marine <i>Pseudomonas</i> strain. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 2083-8	2.9	36
556	Interaction of stem cells with nano hydroxyapatite-fucoidan bionanocomposites for bone tissue regeneration. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 1488-1491	7.9	35
555	Enzymatic Recovery of Cod Frame Proteins with Crude Proteinase from Tuna Pyloric Caeca. <i>Fisheries Science</i> , <b>1997</b> , 63, 421-427	1.9	35
554	Inhibitory effect of chitooligosaccharides on matrix metalloproteinase-9 in human fibrosarcoma cells (HT1080). <i>Marine Biotechnology</i> , <b>2006</b> , 8, 593-9	3.4	35
553	Actinobacteria mediated synthesis of nanoparticles and their biological properties: A review. <i>Critical Reviews in Microbiology</i> , <b>2016</b> , 42, 209-21	7.8	34
552	Application of marine biomaterials for nutraceuticals and functional foods. <i>Food Science and Biotechnology</i> , <b>2012</b> , 21, 625-631	3	34
551	Medicinal effects of phlorotannins from marine brown algae. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 97-109	6	34
550	Carboxylated chitooligosaccharides (CCOS) inhibit MMP-9 expression in human fibrosarcoma cells via down-regulation of AP-1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2006</b> , 1760, 1780-8	4	34
549	A novel anticoagulant protein from <i>Scapharca broughtonii</i> . <i>BMB Reports</i> , <b>2002</b> , 35, 199-205	5.5	34
548	Chitooligosaccharides suppress the level of protein expression and acetylcholinesterase activity induced by Abeta25-35 in PC12 cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 860-2	2.9	33
547	Diethylaminoethyl chitosan induces apoptosis in HeLa cells via activation of caspase-3 and p53 expression. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 571-578	10.3	33
546	Chitooligosaccharides as potential nutraceuticals: production and bioactivities. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 321-36	6	32
545	1-(3',5'-dihydroxyphenoxy)-7-(2'',4'',6-trihydroxyphenoxy)-2,4,9-trihydroxydibenzo-1,4-dioxin inhibits adipocyte differentiation of 3T3-L1 fibroblasts. <i>Marine Biotechnology</i> , <b>2010</b> , 12, 299-307	3.4	32
544	Anticancer effects of chitin and chitosan derivatives. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 72, 215-225	6	31
543	Statistical optimization of microalgae <i>Pavlova lutheri</i> cultivation conditions and its fermentation conditions by yeast, <i>Candida rugopelliculosa</i> . <i>Bioresource Technology</i> , <b>2012</b> , 107, 307-13	11	31

542	Effect of angiotensin I-converting enzyme (ACE) inhibitory peptide purified from enzymatic hydrolysates of <i>Styela plicata</i> . <i>European Food Research and Technology</i> , <b>2011</b> , 233, 915-922	3.4	31
541	Sea cucumber, <i>Stichopus japonicus</i> ethyl acetate fraction modulates the lipopolysaccharide induced iNOS and COX-2 via MAPK signaling pathway in murine macrophages. <i>Environmental Toxicology and Pharmacology</i> , <b>2010</b> , 30, 68-75	5.8	31
540	Sulfated glucosamine inhibits MMP-2 and MMP-9 expressions in human fibrosarcoma cells. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 4891-6	3.4	31
539	Chitosan as potential marine nutraceutical. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 121-35	6	30
538	Effect of enzyme-assisted extract of <i>Sargassum coreanum</i> on induction of apoptosis in HL-60 tumor cells. <i>Journal of Applied Phycology</i> , <b>2012</b> , 24, 675-684	3.2	30
537	Effect of <i>Sargassum thunbergii</i> on ROS mediated oxidative damage and identification of polyunsaturated fatty acid components. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 1243-9	4.7	30
536	Chitosan gallate as potential antioxidant biomaterial. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 3070-3	2.9	30
535	Chitooligosaccharides protect pancreatic $\beta$ cells from hydrogen peroxide-induced deterioration. <i>Carbohydrate Polymers</i> , <b>2010</b> , 82, 143-147	10.3	30
534	Antihypertensive activity of chitin derivatives. <i>Biopolymers</i> , <b>2006</b> , 83, 250-4	2.2	30
533	Anti-HIV-1 activity of phlorotannin derivative 8,4?-dieckol from Korean brown alga <i>Ecklonia cava</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2014</b> , 78, 1151-8	2.1	29
532	Protective effect of chitin oligosaccharides against lipopolysaccharide-induced inflammatory response in BV-2 microglia. <i>Cellular Immunology</i> , <b>2012</b> , 277, 14-21	4.4	29
531	Utilization of seafood processing by-products: medicinal applications. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 495-512	6	29
530	Protective Effects of Emodin and Chrysophanol Isolated from Marine Fungus <i>Aspergillus</i> sp. on Ethanol-Induced Toxicity in HepG2/CYP2E1 Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2011</b> , 2011, 452621	2.3	29
529	Sulfated glucosamine inhibits oxidation of biomolecules in cells via a mechanism involving intracellular free radical scavenging. <i>European Journal of Pharmacology</i> , <b>2008</b> , 579, 74-85	5.3	29
528	Induction of apoptosis by streptochlorin isolated from <i>Streptomyces</i> sp. in human leukemic U937 cells. <i>Toxicology in Vitro</i> , <b>2008</b> , 22, 1573-81	3.6	29
527	Free radical and reactive oxygen species scavenging activities of the extracts from seahorse, <i>Hippocampus kuda</i> Bleeler. <i>Biotechnology and Bioprocess Engineering</i> , <b>2008</b> , 13, 705-715	3.1	29
526	Prolyl endopeptidase inhibitory activity of chitosan sulfates with different degree of deacetylation. <i>Carbohydrate Polymers</i> , <b>2005</b> , 60, 553-556	10.3	29
525	Protective effect of chitosan oligosaccharides against Fc $\epsilon$ RI-mediated RBL-2H3 mast cell activation. <i>Process Biochemistry</i> , <b>2012</b> , 47, 327-330	4.8	28

524	Poly(allyl methacrylate) functionalized hydroxyapatite nanocrystals via the combination of surface-initiated RAFT polymerization and thiol-ene protocol: a potential anticancer drug nanocarrier. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 132-40	9.3	28
523	Isolation and characterization of collagen from marine fish ( <i>Thunnus obesus</i> ). <i>Biotechnology and Bioprocess Engineering</i> , <b>2013</b> , 18, 1185-1191	3.1	28
522	Anti-HIV activity of extracts and compounds from marine algae. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 255-65	6	28
521	Glucosamine sulfate promotes osteoblastic differentiation of MG-63 cells via anti-inflammatory effect. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 1938-42	2.9	28
520	Structural factors affecting radical scavenging activity of chitooligosaccharides (COS) and its derivatives. <i>Carbohydrate Polymers</i> , <b>2006</b> , 63, 122-129	10.3	28
519	Purification and characterization of a trypsin inhibitor from the egg of skipjack tuna <i>Katsuwonus pelamis</i> . <i>Fisheries Science</i> , <b>2002</b> , 68, 1367-1373	1.9	28
518	Studies on drug-polymer interaction, in vitro release and cytotoxicity from chitosan particles excipient. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 468, 214-22	6.5	27
517	Chitooligosaccharides induce apoptosis in human myeloid leukemia HL-60 cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 6136-8	2.9	27
516	Antioxidant properties of Mannich bases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 6362-7	2.9	27
515	CYTOTOXIC ACTIVITIES OF PHLORETHOL AND FUCOPHLORETHOL DERIVATIVES ISOLATED FROM LAMINARIACEAE ECKLONIA CAVA. <i>Journal of Food Biochemistry</i> , <b>2011</b> , 35, 357-369	3.3	27
514	Subacute toxicity of chitosan oligosaccharide in Sprague-Dawley rats. <i>Arzneimittelforschung</i> , <b>2001</b> , 51, 769-74		27
513	Preparation and Characterization of Curcumin Coated Chitosan-Alginate Blend for Wound Dressing Application. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2012</b> , 2, 54-60	0.3	27
512	Anti-HIV activities of novel synthetic peptide conjugated chitosan oligomers. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 260-6	7.9	26
511	Polymer functionalized single walled carbon nanotubes mediated drug delivery of gliotoxin in cancer cells. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 120-30	4	26
510	Diphloretohydroxycarmalol isolated from <i>Pae (Ishige okamurae)</i> protects high glucose-induced damage in RINm5F pancreatic $\beta$ cells via its antioxidant effects. <i>Food Science and Biotechnology</i> , <b>2012</b> , 21, 239-246	3	26
509	Cosmeceuticals Properties of Sea Cucumbers: Prospects and Trends. <i>Cosmetics</i> , <b>2017</b> , 4, 26	2.7	26
508	Medicinal benefits of sulfated polysaccharides from sea vegetables. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 391-402	6	26
507	Potential beneficial effects of marine algal sterols on human health. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 191-8	6	26

506	Dieckol isolated from <i>Ecklonia cava</i> protects against high-glucose induced damage to rat insulinoma cells by reducing oxidative stress and apoptosis. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2012</b> , 76, 1445-51	2.1	26
505	Protective effect of <i>Amphiroa dilatata</i> on ROS induced oxidative damage and MMP expressions in HT1080 cells. <i>Biotechnology and Bioprocess Engineering</i> , <b>2010</b> , 15, 191-198	3.1	26
504	Anti-proliferative effect of aminoderivatized chitoooligosaccharides on AGS human gastric cancer cells. <i>Process Biochemistry</i> , <b>2010</b> , 45, 1523-1528	4.8	26
503	Evaluation of anti-allergic properties of caffeic acid phenethyl ester in a murine model of systemic anaphylaxis. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 226, 22-9	4.6	26
502	Antioxidant peptide isolated from muscle protein of bullfrog, <i>Rana catesbeiana</i> Shaw. <i>Journal of Medicinal Food</i> , <b>2007</b> , 10, 401-7	2.8	26
501	Cathepsin B inhibitory activities of three new phthalate derivatives isolated from seahorse, Hippocampus Kuda Bleeler. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 6130-4	2.9	26
500	Characterization of (aminoethyl)chitin/DNA nanoparticle for gene delivery. <i>Biomacromolecules</i> , <b>2006</b> , 7, 3448-51	6.9	26
499	Bioactive peptides from marine sources as potential anti-inflammatory therapeutics. <i>Current Protein and Peptide Science</i> , <b>2013</b> , 14, 177-82	2.8	26
498	Marine bioactive peptides as potential antioxidants. <i>Current Protein and Peptide Science</i> , <b>2013</b> , 14, 189-98	2.8	26
497	Seaweed proteins, peptides, and amino acids <b>2015</b> , 125-140		25
496	Protective effect of chromene isolated from <i>Sargassum horneri</i> against UV-A-induced damage in skin dermal fibroblasts. <i>Experimental Dermatology</i> , <b>2012</b> , 21, 630-1	4	25
495	Medicinal foods from marine animals: current status and prospects. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 1-9	6	25
494	Development of bioactive peptides from fish proteins and their health promoting ability. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 235-48	6	25
493	β-secretase inhibitory activity of phenolic acid conjugated chitoooligosaccharides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 214-7	5.6	25
492	Inhibition of the expression on MMP-2, 9 and morphological changes via human fibrosarcoma cell line by 6,6'-dieckol from marine alga <i>Ecklonia cava</i> . <i>BMB Reports</i> , <b>2010</b> , 43, 62-8	5.5	25
491	Dioxinohydroeckol protects human keratinocyte cells from UVB-induced apoptosis modulated by related genes Bax/Bcl-2 and caspase pathway. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2015</b> , 153, 352-7	6.7	24
490	Induction of apoptosis in human cervical carcinoma HeLa cells by neoechinulin A from marine-derived fungus <i>Microsporium</i> sp.. <i>Process Biochemistry</i> , <b>2013</b> , 48, 68-72	4.8	24
489	Extracellular polysaccharides produced by marine bacteria. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 72, 79-94	6	24

488	Isolation and biochemical characterization of collagens from seaweed pipefish, <i>Syngnathus schlegeli</i> . <i>Biotechnology and Bioprocess Engineering</i> , <b>2009</b> , 14, 436-442	3.1	24
487	Sulfation of chitosan oligomers enhances their anti-adipogenic effect in 3T3-L1 adipocytes. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 666-671	10.3	24
486	Anti-obesity effect of carboxymethyl chitin by AMPK and aquaporin-7 pathways in 3T3-L1 adipocytes. <i>Journal of Nutritional Biochemistry</i> , <b>2011</b> , 22, 276-81	6.3	24
485	Lipase catalytic synthesis of diacylglycerol from tuna oil and its anti-obesity effect in C57BL/6J mice. <i>Process Biochemistry</i> , <b>2010</b> , 45, 738-743	4.8	24
484	A novel anticoagulant protein with high affinity to blood coagulation factor Va from <i>Tegillarca granosa</i> . <i>BMB Reports</i> , <b>2007</b> , 40, 832-8	5.5	24
483	Anticancer effects of fucoidan. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 72, 195-213	6	23
482	Optimization of hydrolysis conditions, isolation, and identification of neuroprotective peptides derived from seahorse <i>Hippocampus trimaculatus</i> . <i>Amino Acids</i> , <b>2013</b> , 45, 369-81	3.5	23
481	Isolation and antioxidant activity evaluation of two new phthalate derivatives from seahorse, <i>Hippocampus Kuda Bleeler</i> . <i>Biotechnology and Bioprocess Engineering</i> , <b>2012</b> , 17, 1031-1040	3.1	23
480	Chemical Composition of Seaweeds <b>2011</b> , 171-192		23
479	Metalloproteinase inhibitors: status and scope from marine organisms. <i>Biochemistry Research International</i> , <b>2010</b> , 2010, 845975	2.4	23
478	Inhibition of acetylcholinesterase by gallic acid-grafted-chitosans. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 690-693	6.9	23
477	Aminoethyl-chitosan inhibits LPS-induced inflammatory mediators, iNOS and COX-2 expression in RAW264.7 mouse macrophages. <i>Process Biochemistry</i> , <b>2011</b> , 46, 465-470	4.8	23
476	Sulfated polysaccharide purified from <i>Ecklonia cava</i> accelerates antithrombin III-mediated plasma proteinase inhibition. <i>Journal of Applied Phycology</i> , <b>2007</b> , 19, 425-430	3.2	23
475	Protective effects of aminoethyl-chitooligosaccharides against oxidative stress in mouse macrophage RAW 264.7 cells. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 624-31	7.9	22
474	Purification and characterization of a 1,3-β-D-glucanase from <i>Streptomyces torulosus</i> PCPOK-0324. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1641-1648	10.3	22
473	Physical, chemical, and biological properties of wonder kelp-- <i>Laminaria</i> . <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 85-96	6	22
472	Effect of spongin derived from <i>Hymeniacion sinapium</i> on bone mineralization. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2009</b> , 90, 540-6	3.5	22
471	Suppression of cytokine production in lipopolysaccharide-stimulated mouse macrophages by novel cationic glucosamine derivative involves down-regulation of NF-kappaB and MAPK expressions. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 8390-6	3.4	22

470	Development of Alginate-Chitosan-Collagen Based Hydrogels for Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2015</b> , 5, 458-464	0.3	22
469	Preparation of piperlongumine-loaded chitosan nanoparticles for safe and efficient cancer therapy. <i>RSC Advances</i> , <b>2016</b> , 6, 79307-79316	3.7	21
468	1-(5-bromo-2-hydroxy-4-methoxyphenyl)ethanone [SE1] suppresses pro-inflammatory responses by blocking NF- $\kappa$ B and MAPK signaling pathways in activated microglia. <i>European Journal of Pharmacology</i> , <b>2011</b> , 670, 608-16	5.3	21
467	Hydroxyapatite from Cuttlefish Bone: Isolation, Characterizations, and Applications. <i>Biotechnology and Bioprocess Engineering</i> , <b>2018</b> , 23, 383-393	3.1	21
466	Potential matrix metalloproteinase inhibitors from edible marine algae: a review. <i>Environmental Toxicology and Pharmacology</i> , <b>2014</b> , 37, 1090-100	5.8	20
465	The role of peptides derived from <i>Spirulina maxima</i> in downregulation of Fc $\epsilon$ RI-mediated allergic responses. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 2226-34	5.9	20
464	Application of marine microbial enzymes in the food and pharmaceutical industries. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 423-35	6	20
463	Synthesis of polyfunctionalized piperidone oxime ethers and their cytotoxicity on HeLa cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 6678-86	2.9	20
462	Polymer assisted isolation of hydroxyapatite from <i>Thunnus obesus</i> bone. <i>Ceramics International</i> , <b>2011</b> , 37, 3489-3497	5.1	20
461	An antihypertensive peptide from tilapia gelatin diminishes free radical formation in murine microglial cells. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 12193-7	5.7	20
460	Phosphorylated glucosamine inhibits adipogenesis in 3T3-L1 adipocytes. <i>Journal of Nutritional Biochemistry</i> , <b>2010</b> , 21, 438-43	6.3	20
459	Pectenotoxin-2 abolishes constitutively activated NF- $\kappa$ B, leading to suppression of NF- $\kappa$ B related gene products and potentiation of apoptosis. <i>Cancer Letters</i> , <b>2008</b> , 271, 25-33	9.9	20
458	Laurencia okamurai extract containing laurinterol induces apoptosis in melanoma cells. <i>Journal of Medicinal Food</i> , <b>2008</b> , 11, 260-6	2.8	20
457	RECOVERY OF FISH BONE FROM HOKI (JOHNIUS BELENGERI) FRAME USING A PROTEOLYTIC ENZYME ISOLATED FROM MACKEREL INTESTINE. <i>Journal of Food Biochemistry</i> , <b>2003</b> , 27, 255-266	3.3	20
456	Hepatic Fibrosis Inhibitory Effect of Peptides Isolated from <i>Navicula incerta</i> on TGF- $\beta$ Induced Activation of LX-2 Human Hepatic Stellate Cells. <i>Preventive Nutrition and Food Science</i> , <b>2013</b> , 18, 124-32	2.4	20
455	Actinobacterial melanins: current status and perspective for the future. <i>World Journal of Microbiology and Biotechnology</i> , <b>2013</b> , 29, 1737-50	4.4	19
454	Pharmacologically prospective antibiotic agents and their sources: a marine microbial perspective. <i>Environmental Toxicology and Pharmacology</i> , <b>2012</b> , 34, 631-43	5.8	19
453	Ishigoside, a new glyceroglycolipid isolated from the brown alga <i>Ishige okamurae</i> . <i>Biotechnology and Bioprocess Engineering</i> , <b>2009</b> , 14, 20-26	3.1	19



452	Lipase catalyzed production of monoacylglycerols by the esterification of fish oil fatty acids with glycerol. <i>Biotechnology and Bioprocess Engineering</i> , <b>2007</b> , 12, 491-496	3.1	19
451	Antioxidant activity of novel chitin derivative. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 1884-1889	2.9	19
450	Nutritional and Pharmaceutical Properties of Microalgal Spirulina <b>2015</b> , 299-308		18
449	Antidiabetic activities of chitosan and its derivatives: a mini review. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 73, 33-44	6	18
448	Development of marine probiotics: prospects and approach. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 353-62	6	18
447	Protective effects of aminoethyl-chitooligosaccharides against oxidative stress and inflammation in murine microglial BV-2 cells. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 743-747	10.3	18
446	Marine bacteria: potential sources for compounds to overcome antibiotic resistance. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 4763-73	5.7	18
445	Medicinal effects of peptides from marine microalgae. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 313-23	6	18
444	Anti-inflammatory activity of caffeic acid phenethyl ester (CAPE) extracted from <i>Rhodiola sacra</i> against lipopolysaccharide-induced inflammatory responses in mice. <i>Process Biochemistry</i> , <b>2008</b> , 43, 783-787	4.8	18
443	Novel approach to synthesis silver nanoparticles using plant pathogenic fungi, <i>Puccinia graminis</i> . <i>Materials Letters</i> , <b>2012</b> , 81, 69-72	3.3	17
442	Marine-derived bioactive materials for neuroprotection. <i>Food Science and Biotechnology</i> , <b>2013</b> , 22, 1-12	3	17
441	Anti-proliferative effects of isosclerone isolated from marine fungus <i>Aspergillus fumigatus</i> in MCF-7 human breast cancer cells. <i>Process Biochemistry</i> , <b>2014</b> , 49, 2292-2298	4.8	17
440	Sulfated chitooligosaccharide II (SCOS II) suppress collagen degradation in TNF-induced chondrosarcoma cells via NF- $\kappa$ B pathway. <i>Carbohydrate Research</i> , <b>2012</b> , 350, 55-61	2.9	17
439	Production, characterization and antioxidant potential of protease from <i>Streptomyces</i> sp. MAB18 using poultry wastes. <i>BioMed Research International</i> , <b>2013</b> , 2013, 496586	3	17
438	Prevention of hydrogen peroxide-induced oxidative stress in HDF cells by peptides derived from seaweed pipefish, <i>Syngnathus schlegeli</i> . <i>Peptides</i> , <b>2011</b> , 32, 639-47	3.8	17
437	FREE RADICAL-SCAVENGING ACTIVITIES OF LOW MOLECULAR WEIGHT CHITIN OLIGOSACCHARIDES LEAD TO ANTIOXIDANT EFFECT IN LIVE CELLS. <i>Journal of Food Biochemistry</i> , <b>2010</b> , 34, 161-177	3.3	17
436	<i>Sargassum thunbergii</i> extract inhibits MMP-2 and -9 expressions related with ROS scavenging in HT1080 cells. <i>Food Chemistry</i> , <b>2010</b> , 120, 418-425	8.5	17
435	Quantitative viability of seaweed tissues assessed with 2,3,5-triphenyltetrazolium chloride. <i>Journal of Applied Phycology</i> , <b>1998</b> , 10, 31-36	3.2	17

434	Actinobacterial enzyme inhibitors--a review. <i>Critical Reviews in Microbiology</i> , <b>2015</b> , 41, 261-72	7.8	16
433	Protective effects of peptides from skate ( <i>Okamejei kenojei</i> ) skin gelatin against endothelial dysfunction. <i>Journal of Functional Foods</i> , <b>2014</b> , 10, 243-251	5.1	16
432	EGFR tyrosine kinase inhibitory peptide attenuates <i>Helicobacter pylori</i> -mediated hyper-proliferation in AGS enteric epithelial cells. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 269, 205-14 <sup>6</sup>	4.6	16
431	Floridoside from <i>Laurencia undulata</i> promotes osteogenic differentiation in murine bone marrow mesenchymal cells. <i>Journal of Functional Foods</i> , <b>2015</b> , 19, 505-511	5.1	16
430	Anticoagulant effect of marine algae. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 235-44	6	16
429	Aminoethylated chitoooligomers and their apoptotic activity on AGS human cancer cells. <i>Carbohydrate Polymers</i> , <b>2012</b> , 87, 1383-1389	10.3	15
428	Bioactive Proteins and Peptides from Macroalgae, Fish, Shellfish and Marine Processing Waste <b>2013</b> , 5-39		15
427	Biocompatibility and Alkaline Phosphatase Activity of Phosphorylated Chitoooligosaccharides on the Osteosarcoma MG63 Cell Line. <i>Journal of Functional Biomaterials</i> , <b>2010</b> , 1, 3-13	4.8	15
426	The inhibitory mechanism of a novel cationic glucosamine derivative against MMP-2 and MMP-9 expressions. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 2755-9	2.9	15
425	Ethyl alcohol extracts of <i>Hizikia fusiforme</i> sensitize AGS human gastric adenocarcinoma cells to tumor necrosis factor-related apoptosis-inducing ligand-mediated apoptosis. <i>Journal of Medicinal Food</i> , <b>2009</b> , 12, 782-7	2.8	15
424	Phosphorylated glucosamine inhibits the inflammatory response in LPS-stimulated PMA-differentiated THP-1 cells. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 1851-5	2.9	15
423	PURIFICATION AND CHARACTERIZATION OF A SERINE PROTEINASE FROM THE TUNA PYLORIC CAECA. <i>Journal of Food Biochemistry</i> , <b>2002</b> , 26, 479-494	3.3	15
422	Inhibitory activity of phosphorylated chitoooligosaccharides on the formation of calcium phosphate. <i>Carbohydrate Polymers</i> , <b>2005</b> , 60, 483-487	10.3	15
421	Beneficial effect of peptides from microalgae on anticancer. <i>Current Protein and Peptide Science</i> , <b>2013</b> , 14, 212-7	2.8	15
420	Purification and characterization of a collagenolytic protease from the filefish, <i>Novoden modestrus</i> . <i>BMB Reports</i> , <b>2002</b> , 35, 165-71	5.5	15
419	Anti-Photoaging and Potential Skin Health Benefits of Seaweeds. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	15
418	Phlorotannins <b>2019</b> , 515-527		15
417	Characterization of the in vitro effects of gallic acid-grafted-chitoooligosaccharides in the suppression of AGS human gastric cancer cell proliferation. <i>RSC Advances</i> , <b>2017</b> , 7, 24561-24568	3.7	14

416	Marine derived natural products for osteoporosis. <i>Biomedicine and Preventive Nutrition</i> , <b>2014</b> , 4, 1-7		14
415	Log-scale dose response of inhibitors on a chip. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 6148-53	7.8	14
414	Membrane bioreactor technology for the development of functional materials from sea-food processing wastes and their potential health benefits. <i>Membranes</i> , <b>2011</b> , 1, 327-44	3.8	14
413	Dieckol from Ecklonia cava Regulates Invasion of Human Fibrosarcoma Cells and Modulates MMP-2 and MMP-9 Expression via NF- $\kappa$ B Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2011</b> , 2011, 140462	2.3	14
412	Pectenotoxin-2 induces G2/M phase cell cycle arrest in human breast cancer cells via ATM and Chk1/2-mediated phosphorylation of cdc25C. <i>Oncology Reports</i> , <b>2010</b> , 24, 271-6	3.5	14
411	Purification and characterization of a collagenase from the mackerel, <i>Scomber japonicus</i> . <i>BMB Reports</i> , <b>2002</b> , 35, 576-82	5.5	14
410	7-Phloroeckol promotes hair growth on human follicles in vitro. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2014</b> , 387, 789-93	3.4	13
409	Production, Biochemical Characterization and Detergents Application of Keratinase from the Marine Actinobacterium <i>Actinoalloteichus</i> sp. MA-32. <i>Journal of Surfactants and Detergents</i> , <b>2014</b> , 17, 669-682	1.9	13
408	Applications of calcium and its supplement derived from marine organisms. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2012</b> , 52, 469-74	11.5	13
407	Characterization of bioactive peptides obtained from marine invertebrates. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 47-72	6	13
406	Marine algae: natural product source for gastrointestinal cancer treatment. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 225-33	6	13
405	Chemodiversity and Bioactivity within Red and Brown Macroalgae Along the French coasts, Metropole and Overseas Departements and Territories <b>2011</b> , 58-105		13
404	Potent effect of brown algae ( <i>Ishige okamurae</i> ) on suppression of allergic inflammation in human basophilic KU812F cells. <i>Food Science and Biotechnology</i> , <b>2011</b> , 20, 1227-1234	3	13
403	Anti-inflammatory action of sulfated glucosamine on cytokine regulation in LPS-activated PMA-differentiated THP-1 macrophages. <i>Inflammation Research</i> , <b>2011</b> , 60, 1131-8	7.2	13
402	Potential effect of phloroglucinol derivatives from Ecklonia cava on matrix metalloproteinase expression and the inflammatory profile in lipopolysaccharide-stimulated human THP-1 macrophages. <i>Fisheries Science</i> , <b>2011</b> , 77, 867-873	1.9	13
401	Lipase-catalyzed hydrolysis of fish oil in an optimum emulsion system. <i>Biotechnology and Bioprocess Engineering</i> , <b>2007</b> , 12, 484-490	3.1	13
400	AMINO ACID CHANGES IN THE KOREAN TRADITIONAL FERMENTATION PROCESS FOR BLUE MUSSEL, <i>MYTILUS EDULIS</i> . <i>Journal of Food Biochemistry</i> , <b>2005</b> , 29, 108-116	3.3	13
399	Chitosan Modified Alginate-Polyurethane Scaffold for Skeletal Muscle Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2015</b> , 5, 665-672	0.3	13

398	Antiangiogenic effects of marine sponge derived compounds on cancer. <i>Environmental Toxicology and Pharmacology</i> , <b>2013</b> , 36, 1097-108	5.8	12
397	Bioactive compounds from marine sponges and their symbiotic microbes: a potential source of nutraceuticals. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 137-51	6	12
396	Marine algae possess therapeutic potential for Ca-mineralization via osteoblastic differentiation. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 429-41	6	12
395	Suppression of vascular endothelial growth factor (VEGF) induced angiogenic responses by fucodiphloroethol G. <i>Process Biochemistry</i> , <b>2011</b> , 46, 1095-1103	4.8	12
394	Recent developments of natural antimicrobials and antioxidants on fish and fishery food products. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2021</b> , 20, 4182-4210	16.4	12
393	Dieckol as a novel anti-proliferative and anti-angiogenic agent and computational anti-angiogenic activity evaluation. <i>Environmental Toxicology and Pharmacology</i> , <b>2015</b> , 39, 259-70	5.8	11
392	Spirulina maxima peptides suppress mast cell degranulation via inactivating Akt and MAPKs phosphorylation in RBL-2H3 cells. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 2224-2229	7.9	11
391	Protective effect of (2'S)-columbianetin from <i>Corydalis heterocarpa</i> on UVB-induced keratinocyte damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2012</b> , 109, 20-7	6.7	11
390	In vitro and in vivo and pharmacokinetic evaluation of solid lipid nanoparticles of furosemide using Gastroplus. <i>RSC Advances</i> , <b>2017</b> , 7, 33314-33326	3.7	11
389	Protein Hydrolysates and Bioactive Peptides from Seafood and Crustacean Waste: Their Extraction, Bioactive Properties and Industrial Perspectives <b>2013</b> , 709-735		11
388	Potential role of marine algae on female health, beauty, and longevity. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 41-55	6	11
387	Sea lettuces: culinary uses and nutritional value. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 57-70		11
386	Chitin, Chitosan, and Their Oligosaccharides in Food Industry <b>2010</b> , 543-560		11
385	Sulfated Polysaccharides from Macroalgae for Bone Tissue Regeneration. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 1200-1209	3.3	11
384	Antimicrobial peptides from marine sources. <i>Current Protein and Peptide Science</i> , <b>2013</b> , 14, 205-11	2.8	11
383	Streptochlorin isolated from <i>Streptomyces</i> sp. Induces apoptosis in human hepatocarcinoma cells through a reactive oxygen species-mediated mitochondrial pathway. <i>Journal of Microbiology and Biotechnology</i> , <b>2008</b> , 18, 1862-8	3.3	11
382	Antiproliferative Effect of Aminoethyl-Chitooligosaccharide on Human Lung A549 Cancer Cells. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	10
381	Marine Microalgae Biotechnology <b>2015</b> , 1-9		10

380	IN VITRO ANTIOXIDANT ACTIVITIES OF THE FERMENTED MARINE MICROALGA PAVLOVA LUTHERI (HAPTOPHYTA) WITH THE YEAST HANSENULA POLYMORPHA(1). <i>Journal of Phycology</i> , <b>2012</b> , 48, 475-82 <sup>3</sup>		10
379	Continuous production of citric acid from dairy wastewater using immobilized <i>Aspergillus niger</i> ATCC 9142. <i>Biotechnology and Bioprocess Engineering</i> , <b>2002</b> , 7, 89-94	3.1	10
378	Marine-derived polysaccharides for regulation of allergic responses. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 73, 1-13	6	9
377	Applications of Microalgae-Derived Active Ingredients as Cosmeceuticals <b>2015</b> , 309-316		9
376	Marine Derived Bioactive Compounds for Breast and Prostate Cancer Treatment: A Review. <i>Current Bioactive Compounds</i> , <b>2014</b> , 10, 62-74	0.9	9
375	Design, synthesis, stereochemistry and antioxidant properties of various 7-alkylated 2,4-diaryl-3-azabicyclo[3.3.1]nonan-9-ones. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 6004-9	2.9	9
374	Preparation, properties and biological applications of water soluble chitin oligosaccharides from marine organisms. <i>Russian Journal of Marine Biology</i> , <b>2012</b> , 38, 351-358	0.7	9
373	Antiphotaging effect of chito oligosaccharides on human dermal fibroblasts. <i>Photodermatology Photoimmunology and Photomedicine</i> , <b>2012</b> , 28, 299-306	2.4	9
372	Fish Gelatin: A Versatile Ingredient for the Food and Pharmaceutical Industries <b>2013</b> , 271-295		9
371	Osteoporosis treatment: marine algal compounds. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 417-27	6	9
370	Biomass and Extracts of Algae as Material for Cosmetics <b>2015</b> , 681-706		8
369	Chitosan and Its Application as Tissue Engineering Scaffolds <b>2015</b> , 133-147		8
368	Chito oligomers inhibit UV-A-induced photaging of skin by regulating TGF- $\beta$ /Smad signaling cascade. <i>Carbohydrate Polymers</i> , <b>2012</b> , 88, 490-495	10.3	8
367	Potential application of marine algae as antiviral agents in medicinal foods. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 245-54	6	8
366	A polysaccharide isolated from <i>Ecklonia cava</i> fermented by <i>Lactobacillus brevis</i> inhibits the inflammatory response by suppressing the activation of nuclear factor- $\kappa$ B in lipopolysaccharide-induced RAW 264.7 macrophages. <i>Journal of Medicinal Food</i> , <b>2011</b> , 14, 1546-53	2.8	8
365	Stimulation of minerals by carbon nanotube grafted glucosamine in mouse mesenchymal stem cells for bone tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , <b>2012</b> , 8, 676-85	4	8
364	Exhibitory effects of compounds from brown alga <i>Ecklonia cava</i> on the human osteoblasts. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S588	3.7	8
363	Dispersion of Single Walled Carbon Nanotubes in Marine Polysaccharides for Bone Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , <b>2014</b> , 4, 501-505	0.3	8

362	Muscle Protein Hydrolysates and Amino Acid Composition in Fish. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	8
361	Prevention of H <sub>2</sub> O <sub>2</sub> -induced oxidative stress in murine microglial BV-2 cells by chitin-oligomers. <i>Process Biochemistry</i> , <b>2016</b> , 51, 2170-2175	4.8	8
360	4-hydroxybenzaldehyde-chitooligomers suppresses HO-induced oxidative damage in microglia BV-2 cells. <i>Carbohydrate Research</i> , <b>2017</b> , 440-441, 32-37	2.9	7
359	In vitro induction of apoptosis by isosclerone from marine-derived fungus <i>Aspergillus fumigatus</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 3923-7	2.9	7
358	Introduction to Seaweed Polysaccharides <b>2017</b> , 1-9		7
357	In-vitro cancer cell cytotoxicity and alpha amylase inhibition effect of seven tropical fruit residues. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2014</b> , 4, S665-S671	1.4	7
356	Nanostructured Hydroxyapatite-Chitosan Composite Biomaterial for Bone Tissue Engineering. <i>Advanced Materials Research</i> , <b>2012</b> , 584, 212-216	0.5	7
355	Antimetastasis effect of anthraquinones from marine fungus, <i>Microsporium</i> sp. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 415-21	6	7
354	Applications of Marine-derived Peptides and Proteins in the Food Industry <b>2013</b> , 545-587		7
353	Antiallergic benefit of marine algae in medicinal foods. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 267-75	6	7
352	Functional properties of brown algal sulfated polysaccharides, fucoidans. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 163-78	6	7
351	Angiotensin I converting enzyme inhibitory peptide extracted from freshwater zooplankton. <i>Journal of Medicinal Food</i> , <b>2010</b> , 13, 357-63	2.8	7
350	Chemical Constituents from <i>Myrsine africana</i> L.. <i>Helvetica Chimica Acta</i> , <b>2008</b> , 91, 2168-2173	2	7
349	Carboxy derivatized glucosamine is a potent inhibitor of matrix metalloproteinase-9 in HT1080 cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 3105-10	2.9	7
348	An Anti-inflammatory Peptide Isolated from Seahorse <i>Hippocampus kuda</i> bleeler Inhibits the Invasive Potential of MG-63 Osteosarcoma Cells. <i>Fisheries and Aquatic Sciences</i> , <b>2012</b> , 15, 29-36	2.9	7
347	Fucoidan, A Sulfated Polysaccharides from Brown Algae as Therapeutic Target for Cancer <b>2015</b> , 145-164		6
346	Chitooligosaccharides attenuate UVB-induced damages in human dermal fibroblasts. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2012</b> , 385, 95-102	3.4	6
345	Photoprotective effect of libanoridin isolated from <i>Corydalis heterocarpa</i> on UVB stressed human keratinocyte cells. <i>Experimental Dermatology</i> , <b>2013</b> , 22, 155-7	4	6



344	Marine Nutraceuticals <b>2015</b> , 995-1014		6
343	Anti-inflammatory effect of polyphenol-rich extract from the red alga <i>Callophyllis japonica</i> in lipopolysaccharide-induced RAW 264.7 macrophages. <i>Algae</i> , <b>2014</b> , 29, 343-353	2.4	6
342	Bioactive sterols from marine resources and their potential benefits for human health. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 261-8	6	6
341	Detoxification Mechanisms of Heavy Metals by AlgalBacteria Consortia <b>2011</b> , 441-450		6
340	Characterization of Fish Oil Extracted from Fish Processing By-products. <i>Preventive Nutrition and Food Science</i> , <b>2008</b> , 13, 7-11	2.4	6
339	Seahorse-derived peptide suppresses invasive migration of HT1080 fibrosarcoma cells by competing with intracellular Enolase for plasminogen binding and inhibiting uPA-mediated activation of plasminogen. <i>BMB Reports</i> , <b>2014</b> , 47, 691-6	5.5	6
338	Extremozymes and Extremoproteins in Biosensor Applications <b>2020</b> , 1711-1736		6
337	Wound Dressings from Algal Polymers <b>2015</b> , 523-556		5
336	Gliotoxin from <i>Aspergillus fumigatus</i> reverses epithelial to mesenchymal transition: implications in renal fibrosis. <i>International Journal of Medical Microbiology</i> , <b>2015</b> , 305, 11-9	3.7	5
335	Biomedical Applications of Fucoidan, Seaweed Polysaccharides <b>2017</b> , 269-281		5
334	Anti-Cancer Effects of Chitin and Chitosan Derivatives <b>2015</b> , 413-421		5
333	Application of Diatom Biosilica in Drug Delivery <b>2015</b> , 245-254		5
332	Marine Biomaterials <b>2015</b> , 1195-1215		5
331	Fucoxanthin from marine algae as potential matrix metalloproteinase inhibitors. <i>Advances in Food and Nutrition Research</i> , <b>2014</b> , 72, 177-193	6	5
330	Biological Activities of Proteins and Marine-derived Peptides from Byproducts and Seaweeds <b>2013</b> , 139-165		5
329	Hydroxyapatite from Marine Fish Bone <b>2013</b> , 17-28		5
328	Enzyme-assisted Extraction and Recovery of Bioactive Components from Seaweeds <b>2011</b> , 221-228		5
327	Phlorotannins and fucoxanthin from marine macroalgae as matrix metalloproteinase inhibitory substances and their possible application as medicinal foods. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 129-41	6	5

326	Effect of chitosan and chitin on the separation of membranes from proteins solubilized by pH shifts using cod ( <i>Gadus morhua</i> ). <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 6778-86	5-7	5
325	PURIFICATION AND CHARACTERIZATION OF A CATALASE FROM THE LIVER OF BULLFROG, RANA CATESBEIANA SHAW. <i>Journal of Food Biochemistry</i> , <b>2004</b> , 28, 435-448	3-3	5
324	Complementary DNA Encoding nm23/NDP Kinase Gene from the Korean Tiger Shark <i>Scyliorhinus torazame</i> . <i>Marine Biotechnology</i> , <b>1999</b> , 1, 131-136	3-4	5
323	Fucofuroeckol-A from <i>Eisenia bicyclis</i> Inhibits Inflammation in Lipopolysaccharide-Induced Mouse Macrophages via Downregulation of the MAPK/NF- $\kappa$ B Signaling Pathway. <i>Journal of Chemistry</i> , <b>2016</b> , 2016, 1-9	2-3	5
322	Biosynthesis of Nanoparticles Using Marine Algae: A Review <b>2015</b> , 295-304		4
321	Introduction of Marine Algae Extracts <b>2015</b> , 1-14		4
320	Application of Marine Algae Derived Nutraceuticals in the Food Industry <b>2015</b> , 627-638		4
319	An Overview of Phycocolloids: The Principal Commercial Seaweed Extracts <b>2015</b> , 319-330		4
318	Enzyme-Assisted Extraction to Prepare Bioactive Peptides from Microalgae <b>2015</b> , 305-318		4
317	Chitosan-Based Polysaccharide Biomaterials <b>2015</b> , 1837-1850		4
316	Isolation and characterization of marine-derived <i>Mucor</i> sp. for the fermentative production of tyrosol. <i>Process Biochemistry</i> , <b>2014</b> , 49, 1402-1408	4-8	4
315	Introduction to Marine Actinobacteria <b>2013</b> , 1-19		4
314	Biomedical Applications of Mycosporine-Like Amino Acids <b>2013</b> , 509-534		4
313	Routes in Innate Immunity Evolution: Galectins and Rhamnose-binding Lectins in Ascidians <b>2013</b> , 185-205		4
312	Production of Lactobacilli Proteinases for the Manufacture of Bioactive Peptides: Part II Downstream Processes <b>2013</b> , 231-251		4
311	Hormone-like Peptides Obtained by Marine-protein Hydrolysis and Their Bioactivities <b>2013</b> , 351-367		4
310	Biological Importance of Marine Algae <b>2011</b> , 1-35		4
309	Significance of the Presence of Trace and Ultratrace Elements in Seaweeds <b>2011</b> , 116-170		4

308	Structure and Use of Algal Sulfated Fucans and Galactans <b>2011</b> , 229-261		4
307	Extraction and Characterization of Seaweed Nanoparticles for Application on Cotton Fabric <b>2011</b> , 205-220		4
306	Industrial Applications of Macroalgae <b>2011</b> , 500-521		4
305	Marine macro- and microalgae as potential agents for the prevention of asthma: hyperresponsiveness and inflammatory subjects. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 277-366		4
304	Beneficial effect of teleost fish bone peptide as calcium supplements for bone mineralization. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 287-95	6	4
303	Continuous Production of Chitooligosaccharides by Enzymatic Hydrolysis <b>2010</b> , 47-51		4
302	Natural flora and anticancer regime: milestones and roadmap. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2013</b> , 13, 910-22	2.2	4
301	Algal Carotenoids <b>2020</b> , 33-64		4
300	Environmental Applications of Chitosan and its Derivatives <b>2020</b> , 1065-1081		4
299	Chemical Modifications of Chitin and Chitosan <b>2020</b> , 885-963		4
298	Seaweeds: Valuable Ingredients for the Pharmaceutical Industries. <i>Grand Challenges in Biology and Biotechnology</i> , <b>2018</b> , 49-95	2.4	4
297	Trends in the Use of Seafood Processing By-products in Europe <b>2014</b> , 11-19		4
296	Melanin pigment derived from marine organisms and its industrial applications. <i>Dyes and Pigments</i> , <b>2022</b> , 201, 110214	4.6	4
295	Algal Polysaccharides and Their Biological Applications <b>2015</b> , 411-452		3
294	Antihyperglycemic of Sargassum sp. Extract <b>2015</b> , 381-394		3
293	Antiviral Activities of Marine Algal Extracts <b>2015</b> , 371-380		3
292	Seaweeds-Derived Bioactive Materials for the Prevention and Treatment of Female Cancer <b>2015</b> , 165-176		3
291	Peptide-derived from Seahorse Exerts a Protective Effect against Cholinergic Neuronal Death in in vitro Model of Alzheimer's Disease. <i>Procedia Chemistry</i> , <b>2015</b> , 14, 343-352		3

290	Design, synthesis and cytotoxicity of novel N-benzylpiperidin-4-one oximes on human cervical cancer cells. <i>Journal of Chemical Sciences</i> , <b>2014</b> , 126, 861-873	1.8	3
289	Statistical optimization of high temperature/pressure and ultra-wave assisted lysis of <i>Urechis unicinctus</i> for the isolation of active peptide which enhance the erectile function in vitro. <i>Process Biochemistry</i> , <b>2014</b> , 49, 148-153	4.8	3
288	Biological activities and health effects of terpenoids from marine fungi. <i>Advances in Food and Nutrition Research</i> , <b>2012</b> , 65, 409-13	6	3
287	Lectins with Varying Specificity and Biological Activity from Marine Bivalves <b>2013</b> , 41-68		3
286	Production and Antioxidant Properties of Marine-derived Bioactive Peptides <b>2013</b> , 385-406		3
285	Processing and Industrial Aspects of Fish-scale Collagen: A Biomaterials Perspective <b>2013</b> , 589-629		3
284	Introduction to Marine Biomaterials <b>2013</b> , 3-16		3
283	Eco-Biochemical Studies of Common Seaweeds in the Lower Gangetic Delta <b>2011</b> , 45-57		3
282	Applications of Seaweed in Meat-Based Functional Foods <b>2011</b> , 491-499		3
281	Application of Seaweeds in the Food Industry <b>2011</b> , 522-531		3
280	Seaweed Polysaccharides Food Applications <b>2011</b> , 541-555		3
279	Potential Cosmeceutical Applications of Phlorotannins and Fucoidans from Marine Algae in the Treatment of Atopic Dermatitis <b>2011</b> , 257-266		3
278	Biological Properties of Cosmeceuticals Derived from Marine Algae <b>2011</b> , 191-200		3
277	Impact of marine micro- and macroalgal consumption on photoprotection. <i>Advances in Food and Nutrition Research</i> , <b>2011</b> , 64, 287-95	6	3
276	Antioxidative Activity of Chitosan, Chitooligosaccharides and Their Derivatives <b>2010</b> , 241-250		3
275	Algae Biotechnology <b>2020</b> , 1-31		3
274	Algae Cosmetics <b>2020</b> , 65-85		3
273	Pharmacology of Marine Macroalgae <b>2020</b> , 585-615		3

272	Biotechnological Valorization of Marine Collagens <b>2020</b> , 855-883		3
271	Halophilic Bacteria in the Food Industry <b>2020</b> , 2061-2070		3
270	Apoptotic effect of physcion isolated from marine fungus <i>Microsporium</i> sp. in PC3 human prostate cancer cells. <i>Fisheries and Aquatic Sciences</i> , <b>2018</b> , 21,	2.9	3
269	Exploiting of Secondary Raw Materials from Fish Processing Industry as a Source of Bioactive Peptide-Rich Protein Hydrolysates. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	3
268	Introduction to Seafood Processing By-products <b>2014</b> , 1-9		3
267	Functional Proteins and Peptides from Fish Skin <b>2014</b> , 197-205		3
266	Biological Phlorotannins of <i>Eisenia bicyclis</i> <b>2015</b> , 453-464		2
265	Triterpenoids as Anticancer Drugs from Marine Sponges <b>2015</b> , 15-27		2
264	An Overview of Harmful Algal Blooms on Marine Organisms <b>2015</b> , 517-526		2
263	Algae Extract as a Potential Feed Additive <b>2015</b> , 603-626		2
262	Brown Algal Polyphenol and Its Pharmaceutical Properties. <i>Springer Series in Biomaterials Science and Engineering</i> , <b>2019</b> , 223-243	0.6	2
261	Anticancer Potentials of Marine-Derived Fungal Metabolites <b>2013</b> , 237-245		2
260	Bioactive Marine Microorganisms for Biocatalytic Reactions in Organic Compounds <b>2013</b> , 453-490		2
259	Preparations and Applications of Alginate Nanoparticles <b>2017</b> , 251-268		2
258	Enzymes from Fish Processing Waste Materials and Their Commercial Applications <b>2014</b> , 183-196		2
257	Pharmacological Potential of Phlorotannins from Marine Brown Algae <b>2012</b> , 153-160		2
256	Marine Algae <b>2012</b> , 273-280		2
255	Cosmeceutical Compounds From Marine Sources <b>2012</b> , 1		2

254	Production of Lactobacilli Proteinases for the Manufacture of Bioactive Peptides: Part I Upstream Processes <b>2013</b> , 207-229	2
253	Biological Activities of Marine Bioactive Peptides <b>2013</b> , 509-521	2
252	Biological Activities of Fish-protein Hydrolysates <b>2013</b> , 111-138	2
251	Health Beneficial Aspects of Phloroglucinol Derivatives from Marine Brown Algae <b>2011</b> , 378-386	2
250	Bioactive Metabolites from Seaweeds <b>2011</b> , 262-284	2
249	Cosmeceutical Applications of Chitosan and Its Derivatives <b>2011</b> , 169-178	2
248	Photoprotective and Cosmeceutical Prospects from Marine Origin <b>2011</b> , 67-76	2
247	Anti-Inflammatory Activity of Chitin, Chitosan and Their Derivatives <b>2010</b> , 215-221	2
246	Effects of Chitin, Chitosan and Their Derivatives on Human Hemostasis <b>2010</b> , 251-262	2
245	Isolation and Characterization of Collagen from Skin of Bullfrog, <i>Rana catesbeiana</i> Shaw. <i>Journal of Fisheries Science and Technology</i> , <b>2007</b> , 10, 53-59	2
244	Marine Biopolymers in Bone Tissue Repair and Regeneration <b>2017</b> , 401-414	2
243	Carrageenan and its Enzymatic Extraction <b>2020</b> , 147-159	2
242	Cytotoxic and Antitumor Compounds from Marine Invertebrates <b>2020</b> , 2529-2584	2
241	Marine Algal-derived Pharmaceuticals <b>2020</b> , 2691-2724	2
240	Seafood as Source of Protein-based Functional Foods <b>2020</b> , 2987-2997	2
239	Extracellular Chitin Nanofibers from Marine Diatoms <b>2020</b> , 1083-1092	2
238	Extraction and Purification of Fucoidan from Marine Sources <b>2020</b> , 1093-1125	2
237	Fish Collagen <b>2020</b> , 1127-1132	2



236	Marine Biomaterials-Based Systems <b>2020</b> , 1141-1174		2
235	Marine Algal Polysaccharides and Their Applications <b>2020</b> , 1195-1208		2
234	Marine Bioresources as Potential Source for Synthesis of Nanoparticles <b>2020</b> , 1521-1534		2
233	Marine Extremophiles <b>2020</b> , 1753-1771		2
232	Marine Actinobacteria as a Source for Emerging Biopharmaceuticals <b>2020</b> , 2095-2105		2
231	Introduction to Marine Biotechnology <b>2015</b> , 1-10		1
230	Effects of blue mussel (ME) water extracts on pentobarbital-induced sleep and the sleep architecture in mice. <i>Food Science and Biotechnology</i> , <b>2015</b> , 24, 295-300	3	1
229	Anticancer Compounds from Marine Algae <b>2015</b> , 267-276		1
228	Marine Algae and Chronic Diseases <b>2015</b> , 557-574		1
227	Marine Algae for Protecting Your Brain: Neuroprotective Potentials of Marine Algae <b>2015</b> , 359-370		1
226	Antitumor and Antimetastatic Effects of Marine Algal Polyphenols <b>2015</b> , 177-183		1
225	Bioactive Materials Derived from Seafood and Seafood Processing by-Products <b>2014</b> , 139-158		1
224	Bioactive Compounds from Marine Actinomycetes <b>2013</b> , 207-222		1
223	Role of Marine Nutraceuticals in Cardiovascular Health <b>2017</b> , 273-279		1
222	Marine Algae Derived Polysaccharides for Bone Tissue Regeneration <b>2015</b> , 509-522		1
221	Marine Actinobacterial Metabolites and their Pharmaceutical Potential <b>2015</b> , 1371-1386		1
220	Carotenoids, Bioactive Metabolites Derived from Seaweeds <b>2015</b> , 816-821		1
219	Chitin and Its Beneficial Activity as an Immunomodulator in Allergic Reactions <b>2014</b> , 361-369		1

218	Phlorotannins as Potential Antibacterial Agents from Marine Brown Algae <b>2012</b> , 129-136		1
217	Marine-derived Peptides: Development and Health Prospects <b>2013</b> , 1-3		1
216	Ability of Diverse Marine Invertebrate Lectins to Regulate Cell Functions <b>2013</b> , 167-184		1
215	Potential Novel Therapeutics: Some Biological Aspects of Marine-derived Bioactive Peptides <b>2013</b> , 323-349		1
214	Antioxidant Activities of Marine Peptides from Fish and Shrimp <b>2013</b> , 449-466		1
213	Fish-elastin Hydrolysate: Development and Impact on the Skin and Blood Vessels <b>2013</b> , 467-486		1
212	Muscle Proteins of Fish and Their Functions <b>2013</b> , 641-645		1
211	Marine-derived Collagen: Biological Activity and Application <b>2013</b> , 647-665		1
210	Antimicrobial Peptides in Marine Mollusks and their Potential Applications <b>2013</b> , 695-707		1
209	Seaweeds: The Wealth of Oceans <b>2011</b> , 36-44		1
208	Functional Ingredients from Marine Algae as Potential Antioxidants in the Food Industry <b>2011</b> , 398-402		1
207	Algal Carotenoids as Potent Antioxidants <b>2011</b> , 403-414		1
206	Brown Seaweed-Derived Phenolic Phytochemicals and Their Biological Activities for Functional Food Ingredients with Focus on <i>Ascophyllum nodosum</i> <b>2011</b> , 356-370		1
205	Using the Biomass of Seaweeds in the Production of Components of Feed and Fertilizers <b>2011</b> , 478-490		1
204	Brown Seaweed Lipids as Potential Source of Omega-3 PUFA in Biological Systems <b>2011</b> , 329-339		1
203	Anti-HIV Activities of Marine Macroalgae <b>2011</b> , 415-423		1
202	A novel visceral excitatory neuropeptide from the brain tissue of cloudy dogfish ( <i>Scyliorhinus torazame</i> ). <i>Food Chemistry</i> , <b>2009</b> , 115, 1306-1311	8.5	1
201	Alpha-glucosidase and alpha-amylase inhibitory activities of phlorotannin derivatives from <i>Ecklonia cava</i> . <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S588	3.7	1

200	Quality Management of Marine Nutraceuticals. <i>ACS Symposium Series</i> , <b>2001</b> , 76-87	0.4	1
199	Cosmetics and Cosmeceutical Applications of Microalgae Pigments <b>2020</b> , 611-633		1
198	Seaweed Biotechnology <b>2019</b> , 145-196		1
197	Chitosan-Based Polysaccharide Biomaterials <b>2014</b> , 1-13		1
196	Marine Sponges as Future Biomedical Models <b>2016</b> , 349-357		1
195	Non-ribosomal Peptides from Marine-derived Fungi <b>2020</b> , 2261-2322		1
194	Marine-derived Potential Anti-inflammatory Agents <b>2020</b> , 2585-2605		1
193	Algae Fertilizers <b>2020</b> , 105-119		1
192	Bioactive Polysaccharides from Marine Macroalgae <b>2020</b> , 121-145		1
191	Chitosan as Anticancer Compound and Nanoparticulate Matrix for Cancer Therapeutics <b>2020</b> , 1737-1752		1
190	DMICSTechniques Applications and Future Perspectives <b>2020</b> , 1875-1890		1
189	Cultivation and Production Techniques of Marine Algae <b>2020</b> , 327-340		1
188	Nanogram and Nanomolar Active Marine Antiplasmodial Antibiotics <b>2020</b> , 2365-2409		1
187	ChitosanAntioxidant Conjugates <b>2020</b> , 1031-1050		1
186	Astaxanthin and Fucoxanthin <b>2020</b> , 1391-1426		1
185	Current Advances in Biotechnology of Marine Microalgae <b>2020</b> , 1809-1825		1
184	Bioremediation Process by Marine Microorganisms <b>2020</b> , 2211-2228		1
183	Marine Photosynthetic Microorganisms <b>2020</b> , 2229-2245		1

182	Perspectives for Novel Enzyme Discovery from Marine Environments through Genome Mining and Metagenomics <b>2020</b> , 2423-2442	1
181	Antifungal and Antibacterial Agents from Marine Organisms <b>2020</b> , 2453-2469	1
180	Marine-origin Polysaccharides for Tissue Engineering and Regenerative Medicine <b>2020</b> , 2619-2650	1
179	Novel Marine Sources of Nutraceuticals and Functional Foods <b>2020</b> , 2651-2690	1
178	Hydrocolloid Production of Indonesian Seaweeds <b>2020</b> , 407-416	1
177	Health Risk Assessment for Radionuclide Contamination in Seafood <b>2020</b> , 2881-2894	1
176	Stress in Fish and Application of Carotenoid for Aquafeed as an Antistress Supplement <b>2020</b> , 2999-3019	1
175	Recovery of Bioactive Components from Seafood By-products toward Zero-waste Processing <b>2020</b> , 3021-3039	1
174	Innovative Alternative Technology for Fucoxanthin Recovery <b>2020</b> , 3213-3227	1
173	Microalgal Growth and Nutrient Uptake in Heavy Metal Polluted Environments <b>2020</b> , 497-514	1
172	Recent Insights Into Algal Biotechnology <b>2020</b> , 569-584	1
171	Porphyran <b>2020</b> , 617-628	1
170	Alginate Nanostructures <b>2020</b> , 767-782	1
169	Chitosan Based Composites and Their Applications in Tissue Engineering <b>2020</b> , 979-1006	1
168	Chondroitin Sulfate from Marine Invertebrates <b>2020</b> , 1051-1063	1
167	Marine Polysaccharide-Based Nanomaterials <b>2020</b> , 1231-1248	1
166	3D Printed Marine Biomaterials Composites for Bone Tissue Engineering <b>2020</b> , 1299-1314	1
165	Bioactive Proteins and Peptides from Microalgae <b>2020</b> , 1443-1474	1

164	Pharmacological Profile of Bromophenols Derived from Marine Organisms <b>2020</b> , 1619-1639	1
163	Expanding Metabolomics Applications to Address Issues in Marine Ecology and Natural Products Chemistry <b>2020</b> , 1827-1842	1
162	Biotransformation of Flavonoids by Terrestrial and Marine Microorganisms <b>2020</b> , 1979-2000	1
161	Influence of Pretreatment Time in the Sugarcane Bagasse Saccharification by Cellulase Complex Produced by Marine Fungi <b>2020</b> , 2071-2094	1
160	Marine Cyanobacteria <b>2020</b> , 2127-2146	1
159	Marine Fungi as a Source of Natural Products <b>2020</b> , 2147-2160	1
158	Seaweed Polysaccharides: Promising Molecules for Biotechnological Applications <b>2021</b> , 131-141	1
157	Biologically Active Compounds Form Seafood Processing By-Products <b>2014</b> , 299-311	1
156	Potential Uses of Lactic Acid Bacteria in Seafood Products <b>2014</b> , 341-360	1
155	Matrix Metalloproteinases Inhibitory Effects of Chitooligosaccharides <b>2022</b> , 85-98	1
154	Biologically Active Organic Compounds, Especially Plant Promoters, in Algae Extracts and Their Potential Application in Plant Cultivation <b>2015</b> , 659-680	0
153	Marine Bioactive Peptide Sources: Critical Points and the Potential for New Therapeutics <b>2013</b> , 533-544	0
152	Cosmeceutical Applications from Marine Organisms <b>2013</b> , 200-208	0
151	Marine Microorganisms <b>2020</b> , 3229-3244	0
150	Tropical Marine Cyanobacterium <i>Lyngbya sordida</i> Producing Toxic Octacosan $\alpha$ ,27-diene Induces Coagulative Hepatic Necrosis and Progressive Glomerulonephritis in <i>Mus musculus</i> <b>2020</b> , 2339-2364	0
149	Seafood By-products <b>2020</b> , 2961-2986	0
148	Transgenic Fish Technology <b>2020</b> , 3245-3282	0
147	Marine Collagen as a Source of Biomaterial <b>2020</b> , 1175-1193	0

- 146 Allergic Risks Associated with Seafood **2020**, 2813-2843 ○
- 145 Bioremediation of Marine Effluents and Environments **2020**, 3119-3137 ○
- 144 Reproductive Processes of Marine Animals as Biomarker for Environmental Stress Impact **2020**, 3283-3298 ○
- 143 Dynamic Modeling of Microalgal Growth **2020**, 547-567 ○
- 142 Chemical Ecology Driven Bioprospecting of Marine Sponges **2020**, 681-692 ○
- 141 Marine Collagen and its Biotechnological Applications **2020**, 1007-1030 ○
- 140 Aeroplysinin-1, A Sponge-Derived Compound with Multi-Target Biological Activity **2020**, 1351-1368 ○
- 139 Medicinal Drug-related Bioactive Agents from Marine Fungi **2020**, 2173-2190 ○
- 138 Analysis of Green Algae Extracts **2015**, 79-100
- 137 Marine Algae Based Biomaterials for Osteoblast Differentiation and Tissue Regeneration **2015**, 489-508
- 136 Marine Sponge Derived Actinomycetes and Their Anticancer Compounds **2015**, 741-755
- 135 Introduction to Anticancer Drugs from Marine Origin **2015**, 1-13
- 134 The Current Status of Novel Anticancer Drugs from Marine Actinobacteria **2015**, 239-251
- 133 Introduction to marine glycobiology **2016**, 1-6
- 132 Fungal Bioactive Gene Clusters: A Molecular Insight **2013**, 223-236
- 131 Antituberculosis Materials from Marine Microbes **2013**, 261-266
- 130 Marine Symbiotic Microorganisms: A New Dimension in Natural Product Research **2013**, 295-305
- 129 Antimicrobial potential of marine actinobacteria: A review **2015**, 17-28



128 Marine Biomaterials as Antifouling Agent **2015**, 1181-1192

127 Functional Properties of Ascidians By-products: Nutritional and Medicinal Value **2014**, 565-578

126 Pharmacological Effects of Marine-Derived Bioactive Peptides **2012**, 107-118

125 Chitosan and Its Derivatives for Treatment of Diabetic Complications **2012**, 191-200

124 Pharmacological Effects and Prospects of Marine Algae in Promoting Women's Health and Longevity **2012**, 209-218

123 Marine Drugs **2012**, 253-264

122 Marine Microbial Pharmacognosy **2012**, 281-302

121 **2012**, 303-312

120 Allergy and Its Remedies from Marine Sources **2012**, 325-334

119 Marine Mucin **2012**, 347-354

118 Neuropharmacological Properties of Marine Plants **2012**, 355-372

117 Pharmaceutical Aspect of Metabolites from Marine Algae on Skin Health **2012**, 385-392

116 The Immunomodulatory Effect of Marine Algae on Allergic Response **2012**, 101-106

115 Past, Present, and Future of Marine Pharmacognosy **2012**, 1-6

114 Industry Perspectives and Commercial Trends for Food Proteins and Biopeptides **2012**, 409-420

113 Digestive Enzymes from Marine Sources **2013**, 69-89

112 Kamaboko Proteins as a Potential Source of Bioactive Substances **2013**, 91-110

111 Recovery of Proteins and their Biofunctionalities from Marine Algae **2013**, 253-269

- 110 Health Effects of Antioxidative and Antihypertensive Peptides from Marine Resources **2013**, 297-322
- 109 Antimicrobial Activities of Marine Protein and Peptides **2013**, 369-383
- 108 Marine Peptides and Proteins with Cytotoxic and Antitumoral Properties **2013**, 407-430
- 107 Free Radical-scavenging Activity of Marine Proteins and Peptides **2013**, 487-497
- 106 Marine-derived Bioactive Peptides: Their Cardioprotective Activities and Potential Applications **2013**, 499-508
- 105 Shark Fin Cartilage: Uses, Extraction and Composition Analysis **2013**, 523-531
- 104 Properties, Biological Advantages and Industrial Significance of Marine Peptides **2013**, 631-640
- 103 Marine Antifreeze Proteins: Types, Functions and Applications **2013**, 667-694
- 102 Production and Health Effects of Peptides from Fish Proteins **2013**, 737-751
- 101 ACE-inhibitory Activities of Marine Proteins and Peptides **2013**, 431-440
- 100 Isolation and Biological Activities of Peptides from Marine Microalgae by Fermentation **2013**, 441-448
- 99 Physiological Basis for the use of Seaweeds as Indicators of Anthropogenic Pressures: The Case of Green Tides **2011**, 106-115
- 98 Immune Regulatory Effects of Phlorotannins Derived From Marine Brown Algae (Phaeophyta) **2011**, 340-347
- 97 Seaweed Digestibility and Methods used for Digestibility Determination **2011**, 285-301
- 96 Biological Effects of Proteins Extracted from Marine Algae **2011**, 387-397
- 95 In Vivo and In Vitro Studies of Seaweed Compounds **2011**, 348-355
- 94 Seaweed as an Adsorbent to Treat Cr(VI)-Contaminated Wastewater **2011**, 461-477
- 93 Structural Peculiarities of Sulfated Polysaccharides from Red Algae *Tichocarpus crinitus* (Tichocarpaceae) and *Chondrus pinnulatus* (Gigartinaceae) Collected at the Russian Pacific Coast **2011**, 193-204

92 In Vivo and in Vitro Toxicity Studies of Fucoxanthin, a Marine Carotenoid **2011**, 319-328

91 Metallation of Seaweed *Fucus vesiculosus* Metallothionein: As<sup>3+</sup> and Cd<sup>2+</sup> binding **2011**, 302-317

90 Antiobesity and Antidiabetic Effects of Seaweeds **2011**, 371-377

89 Biotechnology of Seaweeds: Facing the Coming Decade **2011**, 424-430

88 Current Trends and Future Prospects of Biotechnological Interventions through Plant Tissue Culture in Seaweeds **2011**, 431-440

87 Manufacturing Technology of Bioenergy Using Algae **2011**, 451-460

86 A Dimensional Investigation on Seaweeds: Their Biomedical and Industrial Applications **2011**, 532-540

85 Hair Biology and Care Product Ingredients from Marine Organisms **2011**, 201-210

84 Screening Strategies for the Discovery of Marine Microbial Cosmeceuticals **2011**, 291-304

83 Industrial Prospects of the Cosmeceuticals Derived from Marine Mucin **2011**, 391-398

82 Brown Algae-Derived Compounds as Potential Cosmeceuticals **2011**, 179-190

81 Cosmeceutical Properties of Brown Algae and Its Industrial Applications **2011**, 305-318

80 Cosmeceuticals from Marine Resources **2011**, 1-10

79 Antidiabetic Activity and Cholesterol-Lowering Effect of Chitin, Chitosan and Their Derivatives **2010**, 285-292

78 Inhibitory effect of phloroglucinol on chronic inflammation. *Journal of Biotechnology*, **2008**, 136, S577-S578

77 Antioxidative effect of methanolic extract of *Sargassum thunbergii* in macrophage RAW264.7 and HL60. *Journal of Biotechnology*, **2008**, 136, S538 3-7

76 Fucoidan induces differentiation of osteoblast like cell line (MG-63). *Journal of Biotechnology*, **2008**, 136, S539-S540 3-7

75 Isolation and characterization of visceral excitatory neuropeptides from striped mullet (*Mugil cephalus* L.) brain. *Life Sciences*, **2006**, 79, 1756-63 6.8

- 74 Recovery of Bioavailable Calcium from Alaska Pollack (*Theragra chalcogramma*) Fish Backbone By-products by Pepsinolytic Hydrolysis. *Preventive Nutrition and Food Science*, **2006**, 11, 120-126 2.4
- 73 What Is Marine Biotechnology? **2019**, 1-21
- 72 Developing Functional Materials with Marine Organisms **2019**, 229-295
- 71 Marine Natural Substances **2019**, 345-380
- 70 Microalgae, a Biological Resource for the Future **2019**, 197-227
- 69 Effects of Seaweeds on Matrix Metalloproteinases Derived from Normal Human Dermal Fibroblasts and Human Fibrosarcoma Cells. *Journal of Life Science*, **2011**, 21, 1501-1510
- 68 Bioluminescence Isolated from Seafood By-products and Its Applications **2014**, 541-549
- 67 Antidiabetic and Obesity Effects of Materials from Seafood By-products **2014**, 529-539
- 66 Ecophysiology of Marine Algae **2020**, 341-357
- 65 Epigenetic Activation of Animals, Fish, Crustaceans, Mollusks, and Plants by Administration of Dimethylsulfoniopropionate in Green Sea Algae **2020**, 359-406
- 64 Marine Source-derived Anti-HIV Therapeutics **2020**, 2725-2753
- 63 Analyzing the Diversity of Microbial Communities Residing in Marine Ecosystems **2020**, 637-660
- 62 Biodiversity Distribution Patterns of Marine Phytoplankton and their Main Threats (Climate Change, Eutrophication and Acidification) **2020**, 661-679
- 61 Algal Drugs **2020**, 87-104
- 60 Applications of Marine Proteases **2020**, 1427-1441
- 59 Violacein and Prodiginines from Marine Bacteria **2020**, 1689-1710
- 58 Mangrove Diversity Assessment by Molecular Markers **2020**, 2191-2210
- 57 Marine Biopharmaceuticals [A Retrospective of Molecular Mechanisms **2020**, 2755-2772

- 56 Chitosan and Trimethyl Chitosan (TMC) as Drug Absorption Enhancers **2020**, 2773-2795
- 55 Applications of Biotechnology in Seafood Production and Processing **2020**, 2845-2865
- 54 Marine Invasive Seaweeds of the Iberian Peninsula for Value Added Products **2020**, 417-444
- 53 New Alternative Fertilizers Based on Algae Biomass Loaded with Metal Ions **2020**, 515-546
- 52 Marine Natural Pigments **2020**, 1493-1520
- 51 Photoaging and Anti-Photoaging Activity of Compounds Derived From Marine Origin **2020**, 1641-1657
- 50 Structure and Source of Marine Natural Products **2020**, 1659-1687
- 49 Genomic and Proteomics in Pharmaceutical Products Development and Biological Applications of Marine Derivatives **2020**, 1867-1874
- 48 Recent Advances in the Transcriptomics of Seaweeds **2020**, 1909-1917
- 47 Microbial Fermentation for Algal Fertilizer Production **2020**, 2247-2260
- 46 Production of Industrial Important Enzymes from Marine Isolates **2020**, 2323-2330
- 45 The Underexploited Bacterial Symbionts of Marine Invertebrates as the Potential Sources of Marine Carotenoids **2020**, 2331-2337
- 44 Polyketide Synthase from Marine Sponge **2020**, 2411-2422
- 43 Antibacterial Activity of Seaweed-ZnO Composites **2020**, 2443-2452
- 42 Trends in Development of Marine-based Anti-inflammatory Pharmaceuticals **2020**, 2471-2485
- 41 Ascidiaceans **2020**, 2487-2508
- 40 Marine-derived Pharmaceuticals for Oncotherapy **2020**, 2607-2618
- 39 Application of Local Proteases to Produce Fish Protein Hydrolysate (FPH) in Indonesia **2020**, 2797-2812

- 38 Dielectric Properties of Selected Seafood and their Products **2020**, 2867-2880
- 37 Indonesian Traditional Fermented Fish Ikan Peda **2020**, 2895-2911
- 36 Applications of Flow Cytometry in Marine Biotechnology **2020**, 3109-3118
- 35 Bioremediation **2020**, 3139-3172
- 34 Future of Mariculture with the Advent of Modern Biotechnology Tools **2020**, 3173-3194
- 33 In Silico Techniques Used in Marine Biology Research **2020**, 3195-3211
- 32 Biomass Production from Marine Microalgae **2020**, 693-710
- 31 Harvesting of Bioenergy and Biomaterials from Marine Resources **2020**, 711-736
- 30 Alginate Oligosaccharides **2020**, 783-792
- 29 Ascophyllan **2020**, 793-809
- 28 Biodegradable Nanoparticles for Photodynamic Therapy **2020**, 811-825
- 27 Biomaterials for Tissue Engineering [Bioabsorbability/Degradation in Marine Biotechnology **2020**, 827-839
- 26 Biomedical Applications of Chitin Nanofibers **2020**, 841-854
- 25 Chitosan as a Universal Drug Delivery Vehicle **2020**, 965-977
- 24 Fucoidan Oligosaccharides [Bioactive and Therapeutic Potential **2020**, 1133-1139
- 23 pH-Sensitive Modification of Chitosan as a Gene Carrier among Marine Biomaterials **2020**, 1249-1282
- 22 Enzymatic Production of Water-Soluble Chitosan and its Development Prospects in Indonesia **2020**, 1283-1298
- 21 Recent Advances on Chitosan-Based Materials in Regenerative Medicine **2020**, 1315-1333



- 20 Anti-Angiogenic and Anti-Lymphangiogenic Properties of Toluquinol, a Marine Fungus Metabolite **2020**, 1369-1389
- 19 Characterization of Bioactive Peptide Derived from Fish Mucus **2020**, 1475-1492
- 18 Neuroprotective Compounds from Marine Microorganisms **2020**, 1559-1579
- 17 Potential Uses and Medical Management of Neurotoxic Phycotoxins **2020**, 1581-1617
- 16 Algal Genomics **2020**, 1773-1790
- 15 Advancements in Bioinformatics and Role in Marine Genomics and Metagenomics **2020**, 1791-1807
- 14 Fish Genomics **2020**, 1843-1866
- 13 Role of Metagenomics in Exploring Marine Microbiomes **2020**, 1891-1907
- 12 Transcriptomics in Aquaculture **2020**, 1919-1936
- 11 Degradation and Modification of Alginate by Enzymes in Marine Organisms **2020**, 1937-1950
- 10 Actinobacteria in Marine Environments **2020**, 1951-1978
- 9 Culture-independent Approach-based Mangrove Microbial Ecology Studies **2020**, 2001-2020
- 8 Challenges and Triumphs in Genomics-based Microbial Agarase Enzyme Innovations and Applications from Marine Ecosystems **2020**, 2021-2038
- 7 Desert Actinobacteria **2020**, 2039-2059
- 6 Marine Bacteria as a Rich Source of Glycosaminoglycan-degrading Enzymes **2020**, 2107-2125
- 5 Beneficial effects of astaxanthin in cosmeceuticals with focus on emerging market trends **2021**, 557-568
- 4 Synthesis of Chitooligosaccharides Derivatives **2022**, 59-71
- 3 Biocomposites-Based on Chitooligosaccharides for Biomedical Applications **2022**, 173-183

2 Introduction to Chitooligosaccharides **2022**, 1-6

1 Anticancer Effects of Chitooligosaccharides **2022**, 121-137