Huahua Yu

List of Publications by Year
in descending order

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126	4,539	81743	123241
papers	citations	39 h-index	61 g-index

128	128	128	4546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relevance of molecular weight of chitosan and its derivatives and their antioxidant activities in vitro. Bioorganic and Medicinal Chemistry, 2005, 13, 1573-1577.	1.4	253
2	The synthesis and antioxidant activity of the Schiff bases of chitosan and carboxymethyl chitosan. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4600-4603.	1.0	251
3	Antioxidant activity of differently regioselective chitosan sulfates in vitro. Bioorganic and Medicinal Chemistry, 2005, 13, 1387-1392.	1.4	229
4	Novel derivatives of chitosan and their antifungal activities in vitro. Carbohydrate Research, 2006, 341, 351-354.	1.1	153
5	Synthesis of chitosan derivative graft acrylic acid superabsorbent polymers and its application as water retaining agent. International Journal of Biological Macromolecules, 2018, 115, 754-761.	3.6	119
6	Advances in preparation, analysis and biological activities of single chitooligosaccharides. Carbohydrate Polymers, 2016, 139, 178-190.	5.1	112
7	Advances in chitosan-based nanoparticles for oncotherapy. Carbohydrate Polymers, 2019, 222, 115004.	5.1	109
8	Jellyfish venomics and venom gland transcriptomics analysis of Stomolophus meleagris to reveal the toxins associated with sting. Journal of Proteomics, 2014, 106, 17-29.	1.2	106
9	Salt-assisted acid hydrolysis of chitosan to oligomers under microwave irradiation. Carbohydrate Research, 2005, 340, 2150-2153.	1.1	105
10	Effect of chitooligosaccharides with different degrees of acetylation on wheat seedlings under salt stress. Carbohydrate Polymers, 2015, 126, 62-69.	5.1	96
11	Preparation of low-molecular-weight and high-sulfate-content chitosans under microwave radiation and their potential antioxidant activity in vitro. Carbohydrate Research, 2004, 339, 2515-2519.	1.1	83
12	Synthesis of superabsorbent polymers based on chitosan derivative graft acrylic acid-co-acrylamide and its property testing. International Journal of Biological Macromolecules, 2019, 132, 575-584.	3.6	77
13	Partial Characterization, the Immune Modulation and Anticancer Activities of Sulfated Polysaccharides from Filamentous Microalgae Tribonema sp.. Molecules, 2019, 24, 322.	1.7	75
14	Characterization, Preparation, and Purification of Marine Bioactive Peptides. BioMed Research International, 2017, 2017, 1-16.	0.9	70
15	Synthesis, characterization, and antifungal evaluation of diethoxyphosphoryl polyaminoethyl chitosan derivatives. Carbohydrate Polymers, 2018, 190, 1-11.	5.1	70
16	Novel thiosemicarbazone chitosan derivatives: Preparation, characterization, and antifungal activity. Carbohydrate Polymers, 2012, 87, 2664-2670.	5.1	67
17	Immunostimulatory effect of chitosan and quaternary chitosan: A review of potential vaccine adjuvants. Carbohydrate Polymers, 2021, 264, 118050.	5.1	67
18	Radical scavenging activity of protein from tentacles of jellyfish Rhopilema esculentum. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2659-2664.	1.0	62

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19	Characterization and Comparison of the Structural Features, Immune-Modulatory and Anti-Avian Influenza Virus Activities Conferred by Three Algal Sulfated Polysaccharides. Marine Drugs, 2016, 14, 4.	2.2	60
20	Monomer composition of chitooligosaccharides obtained by different degradation methods and their effects on immunomodulatory activities. Carbohydrate Polymers, 2017, 157, 1288-1297.	5.1	60
21	Immunostimulatory effects of sulfated chitosans on RAW 264.7 mouse macrophages via the activation of PI3 K/Akt signaling pathway. International Journal of Biological Macromolecules, 2018, 108, 1310-1321.	3.6	58
22	Synthesis, characterization and antifungal efficacy of chitosan derivatives with triple quaternary ammonium groups. International Journal of Biological Macromolecules, 2018, 114, 942-949.	3.6	55
23	miRNA and mRNA Expression Profiles Reveal Insight into Chitosan-Mediated Regulation of Plant Growth. Journal of Agricultural and Food Chemistry, 2018, 66, 3810-3822.	2.4	52
24	Molecular weight and pH effects of aminoethyl modified chitosan on antibacterial activity in vitro. International Journal of Biological Macromolecules, 2012, 50, 918-924.	3.6	51
25	Insecticidal activity of proteinous venom from tentacle of jellyfish Rhopilema esculentum Kishinouye. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4949-4952.	1.0	50
26	Chitin extraction from shrimp (Litopenaeus vannamei) shells by successive two-step fermentation with Lactobacillus rhamnoides and Bacillus amyloliquefaciens. International Journal of Biological Macromolecules, 2020, 148, 424-433.	3.6	50
27	Size and pH effects of chitooligomers on antibacterial activity against Staphylococcus aureus. International Journal of Biological Macromolecules, 2014, 64, 302-305.	3.6	49
28	Chitosan, hydroxypropyltrimethyl ammonium chloride chitosan and sulfated chitosan nanoparticles as adjuvants for inactivated Newcastle disease vaccine. Carbohydrate Polymers, 2020, 229, 115423.	5.1	48
29	Size effects of chitooligomers on the growth and photosynthetic characteristics of wheat seedlings. Carbohydrate Polymers, 2016, 138, 27-33.	5.1	47
30	Design, synthesis and antimicrobial activity of 6-N-substituted chitosan derivatives. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4548-4551.	1.0	47
31	Comparison of antifungal activities of scallop shell, oyster shell and their pyrolyzed products. Egyptian Journal of Aquatic Research, 2013, 39, 83-90.	1.0	46
32	Effect of the molecular weight of water-soluble chitosan on its fat-/cholesterol-binding capacities and inhibitory activities to pancreatic lipase. PeerJ, 2017, 5, e3279.	0.9	46
33	Immunostimulatory Effects of Chitooligosaccharides on RAW 264.7 Mouse Macrophages via Regulation of the MAPK and PI3K/Akt Signaling Pathways. Marine Drugs, 2019, 17, 36.	2.2	46
34	Relevance of molecular weight of chitosan-N-2-hydroxypropyl trimethyl ammonium chloride and their antioxidant activities. European Journal of Medicinal Chemistry, 2008, 43, 336-340.	2.6	45
35	Synthesis and characterization of dithiocarbamate chitosan derivatives with enhanced antifungal activity. Carbohydrate Polymers, 2012, 89, 388-393.	5.1	45
36	Effect and mechanism of mackerel (Pneumatophorus japonicus) peptides for anti-fatigue. Food and Function, 2014, 5, 2113.	2.1	44

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37	Factors affecting the protease activity of venom from jellyfish Rhopilema esculentum Kishinouye. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 5370-5374.	1.0	43
38	Relationship between the Degree of Polymerization of Chitooligomers and Their Activity Affecting the Growth of Wheat Seedlings under Salt Stress. Journal of Agricultural and Food Chemistry, 2017, 65, 501-509.	2.4	42
39	C-coordinated O-carboxymethyl chitosan metal complexes: Synthesis, characterization and antifungal efficacy. International Journal of Biological Macromolecules, 2018, 106, 68-77.	3.6	41
40	Vascular targeted chitosan-derived nanoparticles as docetaxel carriers for gastric cancer therapy. International Journal of Biological Macromolecules, 2019, 126, 662-672.	3.6	41
41	Polysaccharides from Grateloupia filicina enhance tolerance of rice seeds (Oryza sativa L.) under salt stress. International Journal of Biological Macromolecules, 2019, 124, 1197-1204.	3.6	41
42	Combined proteomics and transcriptomics identifies sting-related toxins of jellyfish Cyanea nozakii. Journal of Proteomics, 2016, 148, 57-64.	1.2	40
43	The improved antiviral activities of amino-modified chitosan derivatives on Newcastle virus. Drug and Chemical Toxicology, 2021, 44, 335-340.	1.2	40
44	Review: Advances in preparation of chitooligosaccharides with heterogeneous sequences and their bioactivity. Carbohydrate Polymers, 2021, 252, 117206.	5.1	40
45	Isolation and characterization of lethal proteins in nematocyst venom of the jellyfish Cyanea nozakii Kishinouye. Toxicon, 2010, 55, 118-125.	0.8	38
46	Isolation, identification and characterization of a novel antioxidant protein from the nematocyst of the jellyfish Stomolophus meleagris. International Journal of Biological Macromolecules, 2012, 51, 274-278.	3.6	31
47	In vitro prebiotic effects of seaweed polysaccharides. Journal of Oceanology and Limnology, 2018, 36, 926-932.	0.6	31
48	The antiviral property of Sargassum fusiforme polysaccharide for avian leukosis virus subgroup J in vitro and in vivo. International Journal of Biological Macromolecules, 2019, 138, 70-78.	3.6	31
49	Factors influencing hemolytic activity of venom from the jellyfish Rhopilema esculentum Kishinouye. Food and Chemical Toxicology, 2007, 45, 1173-1178.	1.8	29
50	Application of nanoLCâ€“MS/MS to the shotgun proteomic analysis of the nematocyst proteins from jellyfish Stomolophus meleagris. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 899, 86-95.	1.2	29
51	Highâ€resolution separation of homogeneous chitooligomers series from 2â€mers to 7â€mers by ionâ€exchange chromatography. Journal of Separation Science, 2013, 36, 1275-1282.	1.3	29
52	Synthesis, characterization and antifungal efficacy of C-coordinated O-carboxymethyl chitosan Cu(II) complexes. Carbohydrate Polymers, 2017, 160, 97-105.	5.1	29
53	Hydroxypropyltrimethyl ammonium chloride chitosan activates RAW 264.7 macrophages through the MAPK and JAK-STAT signaling pathways. Carbohydrate Polymers, 2019, 205, 401-409.	5.1	29
54	Isolation and in vitro partial characterization of hemolytic proteins from the nematocyst venom of the jellyfish Stomolophus meleagris. Toxicology in Vitro, 2013, 27, 1620-1625.	1.1	28

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55	Synthesis and antifungal evaluation of (1,2,3-triazol-4-yl)methyl nicotinate chitosan. International Journal of Biological Macromolecules, 2013, 61, 58-62.	3.6	27
56	Synthesis and antifungal properties of (4-tolyloxy)-pyrimidyl-Î±-aminophosphonates chitosan derivatives. International Journal of Biological Macromolecules, 2014, 63, 83-91.	3.6	27
57	Comparison in docetaxel-loaded nanoparticles based on three different carboxymethyl chitosans. International Journal of Biological Macromolecules, 2017, 101, 1012-1018.	3.6	26
58	Exploring the Antibacterial and Antifungal Potential of Jellyfish-Associated Marine Fungi by Cultivation-Dependent Approaches. PLoS ONE, 2015, 10, e0144394.	1.1	26
59	Preparation and characterization of controlled-release fertilizers coated with marine polysaccharide derivatives. Chinese Journal of Oceanology and Limnology, 2017, 35, 1086-1093.	0.7	24
60	Effect and mechanism of oyster hydrolytic peptides on spatial learning and memory in mice. RSC Advances, 2018, 8, 6125-6135.	1.7	24
61	Preparation of low molecular weight Sargassum fusiforme polysaccharide and its anticoagulant activity. Journal of Oceanology and Limnology, 2018, 36, 882-891.	0.6	23
62	Chitosan Oligosaccharide Fluorinated Derivative Control Root-Knot Nematode (Meloidogyne) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	2.2	23
63	Amino acid composition and nutritional quality of gonad from jellyfish Rhopilema esculentum. Biomedicine and Preventive Nutrition, 2014, 4, 399-402.	0.9	22
64	Functional Elucidation of Nemopilema nomurai and Cyanea nozakii Nematocyst Venomsâ€™ Lytic Activity Using Mass Spectrometry and Zymography. Toxins, 2017, 9, 47.	1.5	21
65	Integrated proteomics and metabolomics analysis reveals the antifungal mechanism of the C-coordinated O-carboxymethyl chitosan Cu(II) complex. International Journal of Biological Macromolecules, 2020, 155, 1491-1509.	3.6	21
66	Partial characterization of the hemolytic activity of the nematocyst venom from the jellyfish Cyanea nozakii Kishinouye. Toxicology in Vitro, 2010, 24, 1750-1756.	1.1	20
67	In depth analysis of the inÂvivo toxicity of venom from the jellyfish Stomolophus meleagris. Toxicon, 2014, 92, 60-65.	0.8	20
68	Antidiabetic Activity of Differently Regioselective Chitosan Sulfates in Alloxan-Induced Diabetic Rats. Marine Drugs, 2015, 13, 3072-3090.	2.2	20
69	Studies on the hemolytic activity of tentacle extracts of jellyfish Rhopilema esculentum Kishinouye: Application of orthogonal test. International Journal of Biological Macromolecules, 2007, 40, 276-280.	3.6	19
70	Synthesis of C-coordinated O-carboxymethyl chitosan metal complexes and evaluation of their antifungal activity. Scientific Reports, 2018, 8, 4845.	1.6	19
71	The bioactivity of new chitin oligosaccharide dithiocarbamate derivatives evaluated against nematode disease (Meloidogyne incognita). Carbohydrate Polymers, 2019, 224, 115155.	5.1	19
72	Preparation and Antioxidant Activity of Chitosan Dimers with Different Sequences. Marine Drugs, 2021, 19, 366.	2.2	19

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73	Beta-chitosan extracted from Loligo Japonica for a potential use to inhibit Newcastle disease. International Journal of Biological Macromolecules, 2016, 82, 614-620.	3.6	18
74	Biochemical and kinetic evaluation of the enzymatic toxins from two stinging scyphozoans Nemopilema nomurai and Cyanea nozakii. Toxicon, 2017, 125, 1-12.	0.8	18
75	Highlights of animal venom research on the geographical variations of toxin components, toxicities and envenomation therapy. International Journal of Biological Macromolecules, 2020, 165, 2994-3006.	3.6	18
76	The immunostimulatory effects of hydroxypropyltrimethyl ammonium chloride chitosan-carboxymethyl chitosan nanoparticles. International Journal of Biological Macromolecules, 2021, 181, 398-409.	3.6	18
77	Two-step purification and in vitro characterization of a hemolysin from the venom of jellyfish Cyanea nozakii Kishinouye. International Journal of Biological Macromolecules, 2011, 49, 14-19.	3.6	17
78	Preparation, Characterization, and Insecticidal Activity of Avermectin-Grafted-Carboxymethyl Chitosan. BioMed Research International, 2016, 2016, 1-8.	0.9	17
79	Degradation of Polysaccharides from Grateloupia filicina and Their Antiviral Activity to Avian Leucosis Virus Subgroup J. Marine Drugs, 2017, 15, 345.	2.2	17
80	Combined Proteome and Toxicology Approach Reveals the Lethality of Venom Toxins from Jellyfish Cyanea nozakii. Journal of Proteome Research, 2018, 17, 3904-3913.	1.8	17
81	Preparation and Identification of Antioxidative Peptides from Pacific Herring (Clupea pallasii) Protein. Molecules, 2019, 24, 1946.	1.7	16
82	Synthesis of chitosan derivative with diethyldithiocarbamate and its antifungal activity. International Journal of Biological Macromolecules, 2014, 65, 369-374.	3.6	15
83	Optimization of the Extraction and Stability of Antioxidative Peptides from Mackerel (Pneumatophorus japonicus) Protein. BioMed Research International, 2017, 2017, 1-14.	0.9	15
84	Inhibitory Effect of Metalloproteinase Inhibitors on Skin Cell Inflammation Induced by Jellyfish Nemopilema nomurai Nematocyst Venom. Toxins, 2019, 11, 156.	1.5	15
85	Effects of chitooligosaccharides supplementation with different dosages, molecular weights and degrees of deacetylation on growth performance, innate immunity and hepatopancreas morphology in Pacific white shrimp (Litopenaeus vannamei). Carbohydrate Polymers, 2019, 226, 115254.	5.1	14
86	Antiviral Activity against Avian Leucosis Virus Subgroup J of Degraded Polysaccharides from Ulva pertusa. BioMed Research International, 2018, 2018, 1-11.	0.9	13
87	Immunostimulatory effect of N-2-hydroxypropyltrimethyl ammonium chloride chitosan-sulfate chitosan complex nanoparticles on dendritic cells. Carbohydrate Polymers, 2021, 251, 117098.	5.1	13
88	C-coordinated O-carboxymethyl chitosan Cu(II) complex exerts antifungal activity by disrupting the cell membrane integrity of Phytophthora capsici Leonian. Carbohydrate Polymers, 2021, 261, 117821.	5.1	13
89	The preparation and antioxidant activity of glucosamine sulfate. Chinese Journal of Oceanology and Limnology, 2009, 27, 283-287.	0.7	12
90	Optimization of Oyster (Crassostrea talienwhanensis) Protein Hydrolysates Using Response Surface Methodology. Molecules, 2020, 25, 2844.	1.7	12

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91	The Evaluation and Utilization of Marine-derived Bioactive Compounds with Anti-obesity Effect. Current Medicinal Chemistry, 2018, 25, 861-878.	1.2	12
92	Sulfated Polysaccharides Isolated from ClonedGrateloupia filicinaand Their Anticoagulant Activity. BioMed Research International, 2015, 2015, 1-5.	0.9	11
93	The Acaricidal Activity of Venom from the Jellyfish Nemopilema nomurai against the Carmine Spider Mite Tetranychus cinnabarinus. Toxins, 2016, 8, 179.	1.5	11
94	Analysis of the protective effects of Î³-aminobutyric acid during fluoride-induced hypothyroidism in male Kunming mice. Pharmaceutical Biology, 2019, 57, 28-36.	1.3	11
95	Protective effect of sulfated chitosan of C3 sulfation on glycerol-induced acute renal failure in rat kidney. International Journal of Biological Macromolecules, 2014, 65, 383-388.	3.6	10
96	Purification and characterization of novel antioxidant peptides of different molecular weights from mackerel Pneumatophorus japonicus protein hydrolysate. Chinese Journal of Oceanology and Limnology, 2015, 33, 159-168.	0.7	10
97	Î³-Aminobutyric acid ameliorates fluoride-induced hypothyroidism in male Kunming mice. Life Sciences, 2016, 146, 1-7.	2.0	10
98	Synthesis and effects of the selective oxidation of chitosan in induced disease resistance against Botrytis cinerea. Carbohydrate Polymers, 2021, 265, 118073.	5.1	10
99	Purification and identification of antioxidative peptides from mackerel (Pneumatophorus japonicus) protein. RSC Advances, 2018, 8, 20488-20498.	1.7	9
100	Comprehensive Proteome Reveals the Key Lethal Toxins in the Venom of Jellyfish Nemopilema nomurai. Journal of Proteome Research, 2020, 19, 2491-2500.	1.8	9
101	Role of Fucoxanthin towards Cadmium-induced renal impairment with the antioxidant and anti-lipid peroxide activities. Bioengineered, 2021, 12, 7235-7247.	1.4	9
102	Sulfated polysaccharides with antioxidant and anticoagulant activity from the sea cucumber Holothuria fuscogliva. Chinese Journal of Oceanology and Limnology, 2017, 35, 763-769.	0.7	8
103	Preparation, characterization, and antifungal evaluation of a new type of aminourea chitooligosaccharide derivatives. Journal of Oceanology and Limnology, 2020, 38, 841-850.	0.6	8
104	Topical Exposure to Nemopilema nomurai Venom Triggers Oedematogenic Effects: Enzymatic Contribution and Identification of Venom Metalloproteinase. Toxins, 2021, 13, 44.	1.5	8
105	Optimization of antioxidative peptides from mackerel (Pneumatophorus japonicus) viscera. PeerJ, 2018, 6, e4373.	0.9	8
106	Fluoroalkenyl-Grafted Chitosan Oligosaccharide Derivative: An Exploration for Control Nematode Meloidogyne Incognita. International Journal of Molecular Sciences, 2022, 23, 2080.	1.8	8
107	Jellyfish Nemopilema nomurai causes myotoxicity through the metalloprotease component of venom. Biomedicine and Pharmacotherapy, 2022, 151, 113192.	2.5	8
108	Efficacy of Venom from Tentacle of JellyfishStomolophus meleagris(Nemopilema nomurai) against the Cotton BollwormHelicoverpa armigera. BioMed Research International, 2014, 2014, 1-4.	0.9	7

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109	Liquid phase adsorption behavior of inulin-type fructan onto activated charcoal. Carbohydrate Polymers, 2015, 122, 237-242.	5.1	7
110	Rescuing fluoride-induced damages in liver with gamma aminobutyric acid. Biochemical and Biophysical Research Communications, 2017, 491, 19-24.	1.0	7
111	Effect of Venom from the Jellyfish Nemopilema nomurai on the Silkworm Bombyx mori L.. Toxins, 2015, 7, 3876-3886.	1.5	6
112	Insights into individual variations in nematocyst venoms from the giant jellyfish Nemopilema nomurai in the Yellow Sea. Scientific Reports, 2019, 9, 3361.	1.6	6
113	Preparation of New Sargassum fusiforme Polysaccharide Long-Chain Alkyl Group Nanomicelles and Their Antiviral Properties against ALV-J. Molecules, 2021, 26, 3265.	1.7	6
114	Isolation and identification of antimicrobial metabolites from sea anemone-derived fungus Emericella sp. SMA01. Journal of Oceanology and Limnology, 2021, 39, 1010-1019.	0.6	5
115	Characterization of Different Salt Forms of Chitooligosaccharides and Their Effects on Nitric Oxide Secretion by Macrophages. Molecules, 2021, 26, 2563.	1.7	4
116	Identifying and revealing the geographical variation in Nemopilema nomurai venom metalloprotease and phospholipase A2 activities. Chemosphere, 2021, 266, 129164.	4.2	3
117	Refinement and Neutralization Evaluation of the F(abâ€™)2 Type of Antivenom against the Deadly Jellyfish Nemopilema nomurai Toxins. International Journal of Molecular Sciences, 2021, 22, 12672.	1.8	3
118	Preparation and Neutralization Efficacy of Novel Jellyfish Antivenoms against Cyanea nozakii Toxins. Toxins, 2021, 13, 165.	1.5	2
119	Field Experiment Effect on Citrus Spider Mite Panonychus citri of Venom from Jellyfish Nemopilema nomurai: The Potential Use of Jellyfish in Agriculture. Toxins, 2021, 13, 411.	1.5	2
120	Synergistic Effect of Proteinase Activity by Purification and Identification of Toxic Protease From Nemopilema nomurai. Frontiers in Pharmacology, 2021, 12, 791847.	1.6	2
121	Investigation into the hemolytic activity of tentacle venom from jellyfish Cyanea nozakii Kishinouye. Chinese Journal of Oceanology and Limnology, 2016, 34, 382-385.	0.7	1
122	Image Gallery: Skin lesions from jellyfish stings. British Journal of Dermatology, 2018, 178, e393-e393.	1.4	1
123	Updated descriptions of the nematocysts of the scyphozoan jellyfish Cyanea nozakii Kishinouye, 1891 (Cnidaria, Scyphozoa). Toxicon, 2020, 187, 271-278.	0.8	1
124	Immunostimulatory effect of quaternary degree and acetyl group of quaternized chitosan on macrophages RAW 264.7. Journal of Oceanology and Limnology, 2022, 40, 1160-1170.	0.6	1
125	PI3K/Akt pathway is involved in the activation of RAW 264.7 cells induced by hydroxypropyltrimethyl ammonium chloride chitosan. Journal of Oceanology and Limnology, 2020, 38, 834-840.	0.6	0
126	Loading Effect of Chitosan Derivative Nanoparticles on Different Antigens and Their Immunomodulatory Activity on Dendritic Cells. Marine Drugs, 2021, 19, 536.	2.2	0