

# Kit-Leong Cheong

## List of Publications by Year in descending order

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66  
papers

3,172  
citations

126858

33  
h-index

161767

54  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in marine algae oligosaccharides: structure, analysis, and potential prebiotic activities. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 7703-7717.	5.4	26
2	Bioactive polysaccharides from red seaweed as potent food supplements: a systematic review of their extraction, purification, and biological activities. <i>Carbohydrate Polymers</i> , 2022, 275, 118696.	5.1	62
3	Single-step purified R-phycoerythrin transmits cellular imaging functionalities in vitro. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 563-570.	3.6	9
4	Effects of laminarin zwitterionic carboxylate and sulfonate on the intestinal barrier function and gut microbiota. <i>Carbohydrate Polymers</i> , 2022, 278, 118898.	5.1	8
5	Gracilaria lemaneiformis polysaccharides alleviate colitis by modulating the gut microbiota and intestinal barrier in mice. <i>Food Chemistry: X</i> , 2022, 13, 100197.	1.8	17
6	Long-term treatment of polysaccharides-based hydrogel microparticles as oral insulin delivery in streptozotocin-induced type 2 diabetic mice. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110941.	2.5	18
7	Antioxidant Potential of Physicochemically Characterized Gracilaria blodgettii Sulfated Polysaccharides. <i>Polymers</i> , 2021, 13, 442.	2.0	9
8	Structural characteristics of Gracilaria lemaneiformis oligosaccharides and their alleviation of dextran sulphate sodium-induced colitis by modulating the gut microbiota and intestinal metabolites in mice. <i>Food and Function</i> , 2021, 12, 8635-8646.	2.1	10
9	Characterization of polysaccharides from different species of brown seaweed using saccharide mapping and chromatographic analysis. <i>BMC Chemistry</i> , 2021, 15, 1.	1.6	45
10	Restitution of epithelial cells during intestinal mucosal wound healing: The effect of a polysaccharide from the sclerotium of <i>Lignosus rhinocerotis</i> (Cooke) Ryvarden. <i>Journal of Ethnopharmacology</i> , 2021, 274, 114024.	2.0	11
11	Characterization of seaweed polysaccharide-based bilayer films containing essential oils with antibacterial activity. <i>LWT - Food Science and Technology</i> , 2021, 150, 111961.	2.5	22
12	Effect of sodium alginate-agar coating containing ginger essential oil on the shelf life and quality of beef. <i>Food Control</i> , 2021, 130, 108216.	2.8	44
13	LINC00467, Driven by Copy Number Amplification and DNA Demethylation, Is Associated with Oxidative Lipid Metabolism and Immune Infiltration in Breast Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-27.	1.9	11
14	Physicochemical characterization and antioxidant activity of sulphated polysaccharides derived from <i>Porphyra haitanensis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 145, 1155-1161.	3.6	80
15	Anti-cancer effects of <i>Porphyra haitanensis</i> polysaccharides on human colon cancer cells via cell cycle arrest and apoptosis without causing adverse effects in vitro. <i>3 Biotech</i> , 2020, 10, 386.	1.1	18
16	Immunostimulatory Effects of Polysaccharides from <i>Spirulina platensis</i> In Vivo and Vitro and Their Activation Mechanism on RAW246.7 Macrophages. <i>Marine Drugs</i> , 2020, 18, 538.	2.2	24
17	Advances in Separation and Purification of Bioactive Polysaccharides through High-speed Counter-Current Chromatography. <i>Journal of Chromatographic Science</i> , 2020, 58, 992-1000.	0.7	13
18	Comparison of Physicochemical Characteristics and Macrophage Immunostimulatory Activities of Polysaccharides from <i>Chlamys farreri</i> . <i>Marine Drugs</i> , 2020, 18, 429.	2.2	4

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19	Catabolism of <i>Saccharina japonica</i> polysaccharides and oligosaccharides by human fecal microbiota. <i>LWT - Food Science and Technology</i> , 2020, 130, 109635.	2.5	31
20	Polysaccharides from <i>Gracilaria lemaneiformis</i> promote the HaCaT keratinocytes wound healing by polarised and directional cell migration. <i>Carbohydrate Polymers</i> , 2020, 241, 116310.	5.1	51
21	Carboxymethyl $\beta$ -cyclodextrin grafted carboxymethyl chitosan hydrogel-based microparticles for oral insulin delivery. <i>Carbohydrate Polymers</i> , 2020, 246, 116617.	5.1	91
22	Physicochemical properties and potential beneficial effects of porphyran from <i>Porphyra haitanensis</i> on intestinal epithelial cells. <i>Carbohydrate Polymers</i> , 2020, 246, 116626.	5.1	33
23	Current trends in marine algae polysaccharides: The digestive tract, microbial catabolism, and prebiotic potential. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 344-354.	3.6	144
24	Ultrasonic/microwave-assisted extraction, simulated digestion, and fermentation in vitro by human intestinal flora of polysaccharides from <i>Porphyra haitanensis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 152, 748-756.	3.6	65
25	In vitro fermentation of <i>Gracilaria lemaneiformis</i> sulfated polysaccharides and its agaro-oligosaccharides by human fecal inocula and its impact on microbiota. <i>Carbohydrate Polymers</i> , 2020, 234, 115894.	5.1	163
26	Quantification of 3,6-anhydro-galactose in red seaweed polysaccharides and their potential skin-whitening activity. <i>3 Biotech</i> , 2020, 10, 189.	1.1	17
27	ATPS: "Aqueous two-phase system" as the "answer to protein separation" for protein-processing food industry. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 3165-3178.	5.4	28
28	Pumpkin polysaccharides: Purification, characterization and hypoglycemic potential. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 842-849.	3.6	38
29	Unravelling property of polysaccharides from <i>Sargassum</i> sp. as an anti-wrinkle and skin whitening property. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 216-224.	3.6	52
30	Physicochemical characterization of <i>Gracilaria chouae</i> sulfated polysaccharides and their antioxidant potential. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 255-261.	3.6	38
31	Microbial catabolism of <i>Porphyra haitanensis</i> polysaccharides by human gut microbiota. <i>Food Chemistry</i> , 2019, 289, 177-186.	4.2	98
32	Preparation and evaluation of <i>Bletilla striata</i> polysaccharide/carboxymethyl chitosan/Carbomer 940 hydrogel for wound healing. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 729-737.	3.6	73
33	Ultrasonic-microwave assisted extraction, characterization and biological activity of pectin from jackfruit peel. <i>LWT - Food Science and Technology</i> , 2018, 90, 577-582.	2.5	156
34	Optimization of an aqueous two-phase extraction method for the selective separation of sulfated polysaccharides from a crude natural mixture. <i>Separation and Purification Technology</i> , 2018, 202, 290-298.	3.9	32
35	Oligosaccharides Derived from Red Seaweed: Production, Properties, and Potential Health and Cosmetic Applications. <i>Molecules</i> , 2018, 23, 2451.	1.7	116
36	Quantification of Neoagaro-Oligosaccharide Production through Enzymatic Hydrolysis and Its Anti-Oxidant Activities. <i>Molecules</i> , 2018, 23, 1354.	1.7	43

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37	Extraction, purification, and characterization of polysaccharides from marine algae <i>Gracilaria lemaneiformis</i> with anti-tumor activity. <i>Process Biochemistry</i> , 2018, 73, 197-203.	1.8	43
38	Effect of Salt Type and Alkyl Chain Length on the Binodal Curve of an Aqueous Two-Phase System Composed of Imidazolium Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 3297-3304.	1.0	18
39	Modification and comparison of three <i>Gracilaria</i> spp. agarose with methylation for promotion of its gelling properties. <i>Chemistry Central Journal</i> , 2017, 11, 104.	2.6	24
40	Isolation and Characterization of Polysaccharides from Oysters ( <i>Crassostrea gigas</i> ) with Anti-Tumor Activities Using an Aqueous Two-Phase System. <i>Marine Drugs</i> , 2017, 15, 338.	2.2	32
41	Recent Advances in Marine Algae Polysaccharides: Isolation, Structure, and Activities. <i>Marine Drugs</i> , 2017, 15, 388.	2.2	270
42	Microwave-Assisted Extraction, Chemical Structures, and Chain Conformation of Polysaccharides from a Novel <i>Cordyceps Sinensis</i> Fungus UM01. <i>Journal of Food Science</i> , 2016, 81, C2167-74.	1.5	21
43	Qualitation and quantification of specific polysaccharides from <i>Panax</i> species using GC-MS, saccharide mapping and HPSEC-RID-MALLS. <i>Carbohydrate Polymers</i> , 2016, 153, 47-54.	5.1	69
44	Qualitative and quantitative analysis of specific polysaccharides in <i>Dendrobium huoshanense</i> by using saccharide mapping and chromatographic methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 163-171.	1.4	50
45	Structural elucidation, chain conformation and immuno-modulatory activity of glucogalactomannan from cultured <i>Cordyceps sinensis</i> fungus UM01. <i>Journal of Functional Foods</i> , 2016, 25, 174-185.	1.6	40
46	Simultaneous determination of molecular weights and contents of water-soluble polysaccharides and their fractions from <i>Lycium barbarum</i> collected in China. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 210-218.	1.4	60
47	Preparation of xylooligosaccharides from xylan by controlled acid hydrolysis and fast protein liquid chromatography coupled with refractive index detection. <i>Separation and Purification Technology</i> , 2016, 171, 151-156.	3.9	22
48	Comparison and Characterization of Compounds with Antioxidant Activity in <i>Lycium barbarum</i> Using High-Performance Thin Layer Chromatography Coupled with DPPH Bioautography and Tandem Mass Spectrometry. <i>Journal of Food Science</i> , 2016, 81, C1378-84.	1.5	14
49	Characterization and comparison of polysaccharides from <i>Lycium barbarum</i> in China using saccharide mapping based on PACE and HPTLC. <i>Carbohydrate Polymers</i> , 2015, 134, 12-19.	5.1	46
50	Decoding glycome of <i>Astragalus membranaceus</i> based on pressurized liquid extraction, microwave-assisted hydrolysis and chromatographic analysis. <i>Journal of Chromatography A</i> , 2015, 1409, 19-29.	1.8	28
51	A rapid and accurate method for the quantitative estimation of natural polysaccharides and their fractions using high performance size exclusion chromatography coupled with multi-angle laser light scattering and refractive index detector. <i>Journal of Chromatography A</i> , 2015, 1400, 98-106.	1.8	106
52	Fermentation optimization for the production of bioactive polysaccharides from <i>Cordyceps sinensis</i> fungus UM01. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 180-185.	3.6	29
53	A simple analysis of fructooligosaccharides in two medicinal plants by high-performance thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 245-250.	0.6	11
54	Comparison and characterization of the glycome of <i>Panax</i> species by high-performance thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2014, 27, 449-453.	0.6	14

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55	Characterization and discrimination of polysaccharides from different species of Cordyceps using saccharide mapping based on PACE and HPTLC. Carbohydrate Polymers, 2014, 103, 100-109.	5.1	58
56	Chain conformation and immunomodulatory activity of a hyperbranched polysaccharide from Cordyceps sinensis. Carbohydrate Polymers, 2014, 110, 405-414.	5.1	94
57	Preparation and purification of raffinose family oligosaccharides from Rehmannia glutinosa Libosch. by fast protein liquid chromatography coupled with refractive index detection. Separation and Purification Technology, 2014, 138, 98-103.	3.9	22
58	Activation of mouse macrophages and dendritic cells induced by polysaccharides from a novel Cordyceps sinensis fungus UM01. Journal of Functional Foods, 2014, 9, 242-253.	1.6	64
59	Chromatography in characterization of polysaccharides from medicinal plants and fungi. Journal of Separation Science, 2013, 36, 1-19.	1.3	85
60	Preparation of inulin-type fructooligosaccharides using fast protein liquid chromatography coupled with refractive index detection. Journal of Chromatography A, 2013, 1308, 52-57.	1.8	29
61	Quality evaluation of lentinan injection produced in China. Journal of Pharmaceutical and Biomedical Analysis, 2013, 78-79, 176-182.	1.4	51
62	Structure and protective effect on UVB-induced keratinocyte damage of fructan from white garlic. Carbohydrate Polymers, 2013, 92, 200-205.	5.1	48
63	Mycelia extracts of fungal strains isolated from Cordyceps sinensis differently enhance the function of RAW 264.7 macrophages. Journal of Ethnopharmacology, 2013, 148, 818-825.	2.0	26
64	Effects of Polysaccharides from Different Species of Dendrobium (Shihu) on Macrophage Function. Molecules, 2013, 18, 5779-5791.	1.7	75
65	ENYMOLOGIC CHARACTERIZATION OF GARLIC FRUCTAN EXOHYDROLASE. Journal of Food Biochemistry, 2012, 36, 248-253.	1.2	8
66	Preparation and Structure Characterization of High-Value Laminaria digitata Oligosaccharides. Frontiers in Nutrition, 0, 9, .	1.6	13